

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1	Asia	Brunei	BRN/S 601/83	Improvement of Brunei Government Printing Department	Other Studies	Architecture & Housing	Discontinued or Cancelled
3	Asia	Brunei	BRN/S 101/85	Public Transport System in Negara Brunei Darussalam	M/P	(Transportation in) General	Discontinued or Cancelled
5	Asia	Brunei	BRN/A 503/93	Development Survey on the Forest Resources in Brunei Darussalam	Basic Study	Forestry & Forest Conservation	In Progress or In Use
7	Asia	Cambodia	KHM/S 201/93	Phnom Penh Water Supply System	M/P+F/S	Water Supply	Partially Completed
9	Asia	Cambodia	KHM/A 201/94	Integrated Agricultural and Rural Development Project in Suburbs of Phnom Penh	M/P+F/S	Irrigation, Drainage & Reclamation	Partially Completed
11	Asia	Cambodia	KHM/S 302/95	Telecommunications Network for Phnom Penh City and its Surrounding Area	F/S	Telecommunication	Partially Completed
13	Asia	Cambodia	KHM/S 305/96	Construction of Mekong Bridge	F/S	Road	Completed
15	Asia	Cambodia	KHM/S 201/97	Master Planning and Feasibility Study of the Sihanoukville Port in the Kingdom of Cambodia	M/P+F/S	Port	Implementing
17	Asia	Cambodia	KHM/A 307/97	Agricultural Development Study of the Mekong Flooded Area	F/S	(Agriculture in) General	Partially Completed
19	Asia	Cambodia	KHM/S 501/98	Topographic Mapping for Angkor Archaeological Area in Siem Reap Region	Basic Study	Survey & Mapping	In Progress or In Use
21	Asia	Cambodia	KHM/S 203/99	Study on Drainage Improvement and Flood Control in the Municipality of Phnom Pehn	M/P+F/S	Sewerage	Implementing
23	Asia	Cambodia	KHM/S 201/00	Study on Water Supply System for Siem Reap Region in Cambodia	M/P+F/S	Water Supply	Processing
25	Asia	Cambodia	KHM/S 101/01	The Transport Master Plan on the Phnom Penh Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
27	Asia	Cambodia	KHM/A 102/01	The Study on Improvement of Marketing System and Post-harvest Quality Control	M/P	Agricultural Processing	In Progress or In Use
29	Asia	Cambodia	KHM/A 201/01	The Study on the Rehabilitation and Reconstruction of Agricultural Production System in the Slakou Basin	M/P+F/S	(Agriculture in) General	Delayed or Suspended
31	Asia	Cambodia	KHM/S 202/01	Study on Groundwater Development in Southern Cambodia	M/P+F/S	Water Resources Development	Implementing
33	Asia	Cambodia	KHM/S 503/01	A Study on the Establishment of GIS Map Data for Cambodia	Basic Study	Survey & Mapping	In Progress or In Use
35	Asia	Cambodia	KHM/S 203/02	The Study on Groundwater Development in Central Cambodia	M/P+F/S	Disaster Relief	Processing
37	Asia	Cambodia	KHM/S 304/02	The Feasibility Study on the Improvement of National Road No.1 (Phnom Penh - Neak Loueng Section) in the Kingdom of Cambodia	F/S	Road	Processing
39	Asia	Cambodia	KHM/S 201/03	The Study on Regional Development for the Phnom Penh - Sihanoukville Growth Corridor	M/P+F/S	Integrated Regional Development Plan	Processing
41	Asia	Cambodia	KHM/S 201/04	Study on Solid Waste Management Phnom Penh Municipalithe in the Kingom of Cambodia	M/P+F/S	Environmental Problems	Processing
43	Asia	Indonesia	IDN/S 601/74	Solo River Basin Development (Follow-Up)	Other Studies	Water Resources Development	In Progress or In Use
45	Asia	Indonesia	IDN/S 101/75	Java Regional Study, East Java	M/P	Integrated Regional Development Plan	In Progress or In Use
47	Asia	Indonesia	IDN/S 301/75	Wonogiri Multipurpose Dam Project	F/S	Water Resources Development	Completed
49	Asia	Indonesia	IDN/A 301/76	Wonogiri Irrigation and Upper Solo River Improvement Project	F/S	(Agriculture in) General	Completed
51	Asia	Indonesia	IDN/S 302/76	Wonogiri Irrigation and Upper Solo River Improvement Project	F/S	River & Erosion Control	Completed
53	Asia	Indonesia	IDN/S 303/76	Central and East Java Road Betterment Project	F/S	Road	Completed
55	Asia	Indonesia	IDN/S 102/77	Java Regional Study: Central Java	M/P	Integrated Regional Development Plan	In Progress or In Use
57	Asia	Indonesia	IDN/S 304/77	Development Plan of the Banjarmasin Port	F/S	Port	Completed
59	Asia	Indonesia	IDN/S 602/77	Brantas River Basin Development Plan (Follow-Up)	Other Studies	River & Erosion Control	In Progress or In Use
61	Asia	Indonesia	IDN/S 603/77	Brantas Middle Reaches River Improvement Project (Follow-Up)	Other Studies	River & Erosion Control	In Progress or In Use
63	Asia	Indonesia	IDN/S 103/78	North and West Sumatra Tourism	M/P	(Tourism in) General	In Progress or In Use
65	Asia	Indonesia	IDN/S 201B/78	Ular River Improvement Project	M/P+F/S	River & Erosion Control	Completed
67	Asia	Indonesia	IDN/S 305/78	Jakarta Ring Road Project	F/S	Road	Partially Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
69	Asia	Indonesia	IDN/S 306/78	Expansion Project of the Bitung Port	F/S	Port	Processing
71	Asia	Indonesia	IDN/S 307/78	Development Plan of the Port of Semarang	F/S	Port	Completed
73	Asia	Indonesia	IDN/S 308/78	Hospital Facilities Improvement Project	F/S	Architecture & Housing	Completed
75	Asia	Indonesia	IDN/A 501/78	Forest Inventory for Management and Logging in Central Java	Basic Study	Forestry & Forest Conservation	In Progress or In Use
77	Asia	Indonesia	IDN/S 604/78	Wonogiri Irrigation and River Improvement Project (Follow-Up)	Other Studies	River & Erosion Control	In Progress or In Use
79	Asia	Indonesia	IDN/S 104/79	Shipbuilding Industry Development	M/P	Transportation & Marine	In Progress or In Use
81	Asia	Indonesia	IDN/S 107/79	Central South Sulawesi Water Resources Development Project	M/P	Water Resources Development	In Progress or In Use
83	Asia	Indonesia	IDN/A 302/79	Riam Kanan Irrigation Project	F/S	(Agriculture in) General	Partially Completed
85	Asia	Indonesia	IDN/S 309/79	Expansion Project of the Port of Balikpapan	F/S	Port	Completed
87	Asia	Indonesia	IDN/S 310/79	Borobudur Prambanan: National Archeological Parks	F/S	(Tourism in) General	Completed
89	Asia	Indonesia	IDN/S 605/79	Jakarta-Merak Highway Project: Jakarta/Tangerang Freeway Financial Study (Follow-Up)	Other Studies	Road	In Progress or In Use
91	Asia	Indonesia	IDN/A 101/80	Watershed Management Plan in Upper Musi Watershed, South Sumatra	M/P	Forestry & Forest Conservation	In Progress or In Use
93	Asia	Indonesia	IDN/S 105/80	Removal of Sunken Vessels	M/P	Transportation & Marine	In Progress or In Use
95	Asia	Indonesia	IDN/S 106/80	Southern Coast Development Plan, East Java	M/P	Integrated Regional Development Plan	In Progress or In Use
97	Asia	Indonesia	IDN/S 108/80	Land Erosion and Volcanic Debris Control in the Area of Mt. Merapi	M/P	River & Erosion Control	In Progress or In Use
99	Asia	Indonesia	IDN/S 109/80	Medan Area Transportation	M/P	Urban Transportation	In Progress or In Use
101	Asia	Indonesia	IDN/S 311/80	Small and Medium Sized Town Water Supply Projects in Sulawesi	F/S	Water Supply	Completed
103	Asia	Indonesia	IDN/S 312/80	Reinforcement and Expansion Plan of P. T. IKI Makassar Shipyard at Ujung Pandang	F/S	Transportation & Marine	Discontinued or Cancelled
105	Asia	Indonesia	IDN/S 313/80	Madiun River Urgent Improvement Project	F/S	River & Erosion Control	Completed
107	Asia	Indonesia	IDN/S 501/80	Local Roads Support Works in Seven Provinces	Basic Study	Road	In Progress or In Use
109	Asia	Indonesia	IDN/S 202B/81	Low Cost Housing Project in Cengkareng	M/P+F/S	Architecture & Housing	Discontinued or Cancelled
111	Asia	Indonesia	IDN/S 203B/81	Development Project of the Port of Sorong	M/P+F/S	Port	Discontinued or Cancelled
113	Asia	Indonesia	IDN/S 204/81	Improvement of Telephone Network in the City of Jakarta	M/P+F/S	Telecommunication	Completed
115	Asia	Indonesia	IDN/A 303/81	Langkemme Irrigation Project	F/S	(Agriculture in) General	Completed
117	Asia	Indonesia	IDN/S 314/81	Coastal Radio Communications Maritime Communication System	F/S	Telecommunication	Completed
119	Asia	Indonesia	IDN/S 316/81	Telecommunication Network in Developing Areas Surrounding Medan and Ujung Pandang	F/S	Telecommunication	Completed
121	Asia	Indonesia	IDN/S 317/81	Jakarta Harbour Road Project	F/S	Road	Completed
123	Asia	Indonesia	IDN/S 318/81	Padang Airport Development	F/S	Air Transportation & Airport	Processing
125	Asia	Indonesia	IDN/A 102/82	Post-Harvest Losses	M/P	Agricultural Processing	In Progress or In Use
127	Asia	Indonesia	IDN/S 110/82	Long Term Development Plan of Maritime Communication System	M/P	Telecommunication	In Progress or In Use
129	Asia	Indonesia	IDN/S 204B/82	Urban/Suburban Railway Transportation in Jabotabek Area	M/P+F/S	Railway	Completed
131	Asia	Indonesia	IDN/S 205B/82	Telecommunications Network Development in the Eastern Part	M/P+F/S	Telecommunication	Completed
133	Asia	Indonesia	IDN/A 304/82	Komerling-1 Irrigation Development Project in the Upper Komerling River Basin	F/S	(Agriculture in) General	Partially Completed
135	Asia	Indonesia	IDN/A 305/82	Rice Pest Forecasting and Control Project	F/S	(Agriculture in) General	Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
137	Asia	Indonesia	IDN/A 306/82	Rice Seed Production and Distribution Project	F/S	(Agriculture in) General	Completed
139	Asia	Indonesia	IDN/A 307/82	Bila Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Completed
141	Asia	Indonesia	IDN/A 308/82	Sanrego Irrigation Project	F/S	(Agriculture in) General	Completed
143	Asia	Indonesia	IDN/S 319/82	Lower Jeneberang River Flood Control Project/Jeneberang River Flood Control Project (Phase II)	F/S	River & Erosion Control	Completed
145	Asia	Indonesia	IDN/S 320/82	Bali International Airport Development	F/S	Air Transportation & Airport	Partially Completed
147	Asia	Indonesia	IDN/S 111/83	Electrification Project of Main Railway Lines in Java	M/P	Railway	In Progress or In Use
149	Asia	Indonesia	IDN/S 112/83	Urban Development Planning on Gerbangketosusila Region (Surabaya Metropolitan Area)	M/P	Urban Planning & Land Development	In Progress or In Use
151	Asia	Indonesia	IDN/S 113/83	North Banten Water Resources Development	M/P	Water Resources Development	In Progress or In Use
153	Asia	Indonesia	IDN/S 114/83	Long Term Development Programs of the International Telecommunications	M/P	(Comms. & Broad. in) General	In Progress or In Use
155	Asia	Indonesia	IDN/S 206B/83	Development Project of Dumai Port	M/P+F/S	Port	Partially Completed
157	Asia	Indonesia	IDN/S 207B/83	Padang Area Flood Control Project	M/P+F/S	River & Erosion Control	Partially Completed
159	Asia	Indonesia	IDN/A 309/83	K-C-C Irrigation Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
161	Asia	Indonesia	IDN/S 321/83	Urban Renewal Housing Project in Jakarta	F/S	Urban Planning & Land Development	Discontinued or Cancelled
163	Asia	Indonesia	IDN/S 208B/84	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting	M/P+F/S	(Comms. & Broad. in) General	Completed
165	Asia	Indonesia	IDN/S 209B/84	Jakarta Water Supply Development Project	M/P+F/S	Water Supply	Completed
167	Asia	Indonesia	IDN/S 322/84	Nusa Tenggara Area Terrestrial Transmission Network Project	F/S	Telecommunication	Completed
169	Asia	Indonesia	IDN/S 323/84	New Railway Line for Cengkareng Airport	F/S	Railway	Discontinued or Cancelled
171	Asia	Indonesia	IDN/S 324/84	Grade Separated Crossing in Manggarai Station, Improvements on Merak Line and Track Addition and Other Improvements on Tangerang Line	F/S	Railway	Partially Completed
173	Asia	Indonesia	IDN/S 325/84	Volcanic Debris Control and Water Conservation Project in the Southeastern Slope of Mt. Semeru	F/S	River & Erosion Control	Completed
175	Asia	Indonesia	IDN/S 115/85	Master Plan on the Development of Aids to Navigation System	M/P	Transportation & Marine	In Progress or In Use
177	Asia	Indonesia	IDN/S 116/85	Lower Asahan River Basin Development	M/P	Water Resources Development	In Progress or In Use
179	Asia	Indonesia	IDN/S 117/85	Rural Telecommunications Network	M/P	Telecommunication	In Progress or In Use
181	Asia	Indonesia	IDN/S 210B/85	Ujung Pandang Water Supply Development Project	M/P+F/S	Water Supply	Completed
183	Asia	Indonesia	IDN/S 211B/85	Widas Flood Control and Drainage Project	M/P+F/S	Water Resources Development	Implementing
185	Asia	Indonesia	IDN/S 326/85	Karian Multipurpose Dam Construction Project	F/S	Water Resources Development	Promoting
187	Asia	Indonesia	IDN/S 327/85	Railway Improvement in Kampung Bandan Station Area	F/S	Railway	Partially Completed
189	Asia	Indonesia	IDN/S 328/85	Electrification Project of Main Line in Java	F/S	Railway	Discontinued or Cancelled
191	Asia	Indonesia	IDN/S 329/85	Local Road Development	F/S	Road	Completed
193	Asia	Indonesia	IDN/S 330/85	Improvement Project of Telephone Network in Medan, Semarang and Solo	F/S	Telecommunication	Completed
195	Asia	Indonesia	IDN/A 502/85	Mosaic Photomap Project of the Downstream Area of the Negara River Basin in South Kalimantan	Basic Study	(Agriculture in) General	In Progress or In Use
197	Asia	Indonesia	IDN/S 502/85	Topographic Mapping Project for Upper Stream Area of Negara Basin, South Kalimantan	Basic Study	Survey & Mapping	In Progress or In Use
199	Asia	Indonesia	IDN/S 118/86	Long Term Planning for Development of Telecommunications System	M/P	(Comms. & Broad. in) General	In Progress or In Use
201	Asia	Indonesia	IDN/S 212B/86	Development Plan of the Port of Semarang (Phase II)	M/P+F/S	Port	Completed
203	Asia	Indonesia	IDN/S 213B/86	Airport Development Project in Central Java and Jogjakarta	M/P+F/S	Air Transportation & Airport	Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
205	Asia	Indonesia	IDN/S 331/86	Surabaya-Banjarmasin Submarine Cable Project	F/S	Telecommunication	Completed
207	Asia	Indonesia	IDN/A 103/87	Multiplication and Distribution of Improved Soybeen Seed and Seed Potato	M/P	(Agriculture in) General	In Progress or In Use
209	Asia	Indonesia	IDN/S 119/87	Arterial Road System Development Study in Jakarta Metropolitan Area	M/P	Road	In Progress or In Use
211	Asia	Indonesia	IDN/S 120/87	Regional Development Project in the Western Part of Java	M/P	(Tourism in) General	In Progress or In Use
213	Asia	Indonesia	IDN/S 121/87	Future Demand of the Inter-Island Traffic	M/P	Air Transportation & Airport	In Progress or In Use
215	Asia	Indonesia	IDN/S 332/87	Solid Waste Management System Improvement Project in the City of Jakarta	F/S	Urban Sanitation	Partially Completed
217	Asia	Indonesia	IDN/S 333/87	Trans-Sumatra Terrestrial Digital Transmission System	F/S	Telecommunication	Completed
219	Asia	Indonesia	IDN/S 122/88	Ujung Pandang Area Highway Development Study	M/P	Urban Transportation	In Progress or In Use
221	Asia	Indonesia	IDN/S 123/88	Maritime Safety Plan Concerning Search and Rescue	M/P	Marine Transportation & Ships	In Progress or In Use
223	Asia	Indonesia	IDN/S 214B/88	Flood Control Plan of the Upper Citarum Basin	M/P+F/S	River & Erosion Control	Implementing
225	Asia	Indonesia	IDN/A 310/88	Batang Kumu Irrigation Project in Riau Province	F/S	(Agriculture in) General	Discontinued or Cancelled
227	Asia	Indonesia	IDN/S 334/88	Kalimantan-Sulawesi Submarine Cable System	F/S	Telecommunication	Completed
229	Asia	Indonesia	IDN/S 335/88	Disaster Prevention Project in the Southeastern Slope of Mt. Galunggung	F/S	River & Erosion Control	Completed
231	Asia	Indonesia	IDN/S 336/88	Implementation of Intra-City Digital Microwave Subscriber System	F/S	Telecommunication	Discontinued or Cancelled
233	Asia	Indonesia	IDN/S 337/88	Urgent Bali Beach Conservation Project	F/S	River & Erosion Control	Processing
235	Asia	Indonesia	IDN/A 104/89	Negara River Basin Overall Irrigation Development Plan	M/P	(Agriculture in) General	In Progress or In Use
237	Asia	Indonesia	IDN/A 105/89	Improvement of Rice Post Harvest and Marketing in Farmer Groups	M/P	Agricultural Processing	In Progress or In Use
239	Asia	Indonesia	IDN/S 125/89	Integrated Regional Development Plan for the Northern Part of Sumatra	M/P	Integrated Regional Development Plan	In Progress or In Use
241	Asia	Indonesia	IDN/S 215B/89	Kemayoran Urban Housing Development Project	M/P+F/S	Urban Planning & Land Development	Implementing
243	Asia	Indonesia	IDN/S 216B/89	Integrated Radio and Television Servicing System Project	M/P+F/S	Broadcasting	Completed
245	Asia	Indonesia	IDN/S 217/89	Long-Term and Medium-Term Plan for Telecommunications Network in Jabotabek Area	M/P+F/S	Telecommunication	Completed
247	Asia	Indonesia	IDN/A 311/89	Industrial Plantation Forest Development Plan in South Sumatra Area	F/S	Forestry & Forest Conservation	Completed
249	Asia	Indonesia	IDN/S 338/89	Cikampek-Cirebon Tollway Project	F/S	Road	Implementing
251	Asia	Indonesia	IDN/S 126/90	Airport Maintenance and Rehabilitation	M/P	Air Transportation & Airport	In Progress or In Use
253	Asia	Indonesia	IDN/A 201B/90	Master Plan Study on Lower Asahan River Basin Development	M/P+F/S	(Agriculture in) General	Promoting
255	Asia	Indonesia	IDN/S 217B/90	Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area	M/P+F/S	Railway	Partially Completed
257	Asia	Indonesia	IDN/S 218B/90	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas	M/P+F/S	Telecommunication	Completed
259	Asia	Indonesia	IDN/S 219B/90	Urban Drainage and Waste Water Disposal Project in the City of Jakarta	M/P+F/S	Sewerage	Implementing
261	Asia	Indonesia	IDN/A 312/90	Air Selagan Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
263	Asia	Indonesia	IDN/S 339/90	Bogor-Bandung Road Project	F/S	Road	Promoting
265	Asia	Indonesia	IDN/S 340/90	Maintenance Dredging in the Access Channel of Banjarmasin Port	F/S	Port	Implementing
267	Asia	Indonesia	IDN/S 220B/91	Belawan-Padang Integrated River Basin Development	M/P+F/S	River & Erosion Control	Partially Completed
269	Asia	Indonesia	IDN/A 313/91	Nias Island Irrigation and Agricultural Development Project	F/S	(Agriculture in) General	Promoting
271	Asia	Indonesia	IDN/S 341/91	Surabaya - Mojokerto Toll Road Project	F/S	Road	Promoting

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
273	Asia	Indonesia	IDN/S 106/92	Telecommunications Network Development Plan for Repelita-VI	M/P	Telecommunication	In Progress or In Use
275	Asia	Indonesia	IDN/S 127/92	Integrated Regional Development Plan for the Southern Part of Sumatra	M/P	Integrated Regional Development Plan	In Progress or In Use
277	Asia	Indonesia	IDN/S 221B/92	Development of Coastal Roads in East Coast of Sumatra	M/P+F/S	Road	Implementing
279	Asia	Indonesia	IDN/S 222B/92	The Development of the Nationwide Ferry Service Routes	M/P+F/S	Port	Processing
281	Asia	Indonesia	IDN/A 314/92	Land Development Project: Improvement of Land and Irrigation Systems at Farm Level	F/S	(Agriculture in) General	Completed
283	Asia	Indonesia	IDN/A 315/92	Rokan River Basin Overall Irrigation Development Plan	F/S	(Agriculture in) General	Promoting
285	Asia	Indonesia	IDN/S 342/92	IKK System Water Supply Project in Provinces of Central Java, East Java and Bali	F/S	Water Supply	Completed
287	Asia	Indonesia	IDN/S 343/92	Cidanau-Cibanten Water Resources Development Project	F/S	Water Resources Development	Delayed or Suspended
289	Asia	Indonesia	IDN/S 344/92	The Development of Waste Water Disposal for Denpasar	F/S	Sewerage	Implementing
291	Asia	Indonesia	IDN/A 112/93	Formulation of Irrigation Development Program	M/P	(Agriculture in) General	In Progress or In Use
293	Asia	Indonesia	IDN/S 203/93	Solid Waste Management Improvement for Surabaya City	M/P+F/S	Urban Sanitation	Completed
295	Asia	Indonesia	IDN/S 204/93	Integrated Modernization Plan for Sea Transportation in Eastern Indonesia	M/P+F/S	Port	Partially Completed
297	Asia	Indonesia	IDN/S 205/93	Water Resources Development, Urgent Flood Control and Urban Drainage in Semarang City and Suburbs	M/P+F/S	Water Resources Development	Promoting
299	Asia	Indonesia	IDN/A 323/93	Upland Plantation and Land Development Project at Citarik Watershed	F/S	Forestry & Forest Conservation	Implementing
301	Asia	Indonesia	IDN/A 316/94	Coastal Resources Inventory Management and Enhancement	F/S	Fishery	Partially Completed
303	Asia	Indonesia	IDN/S 345/94	Urban Arterial Road System Development Project in Jakarta Metropolitan Area	F/S	Road	Delayed or Suspended
305	Asia	Indonesia	IDN/S 346/94	Ciujung-Cidurian Integrated Water Resources	F/S	Water Resources Development	Promoting
307	Asia	Indonesia	IDN/A 106/95	Small Scale Impounding Pond Development Project	M/P	(Agriculture in) General	In Progress or In Use
309	Asia	Indonesia	IDN/A 107/95	Land Rehabilitation Plan of Semi Arid Zone in East Nusa Tenggara	M/P	Forestry & Forest Conservation	In Progress or In Use
311	Asia	Indonesia	IDN/S 128/95	Engineering Manpower Development Planning	M/P	Others	In Progress or In Use
313	Asia	Indonesia	IDN/S 223/95	Container Cargo Handling Ports & Dry Ports and its Connecting Railway	M/P+F/S	Port	Partially Completed
315	Asia	Indonesia	IDN/S 224/95	Kampar-Indragiri River Basin Development Project	M/P+F/S	Water Resources Development	Promoting
317	Asia	Indonesia	IDN/S 225/95	Waste Water Disposal and Solid Waste Management for the City of Ujung Pandang	M/P+F/S	Urban Sanitation	Promoting
319	Asia	Indonesia	IDN/A 317/95	Gilirang Irrigation Project	F/S	(Agriculture in) General	Processing
321	Asia	Indonesia	IDN/A 101/96	Third Umbrella Cooperation for Integrated Agricultural and Rural Development	M/P	(Agriculture in) General	In Progress or In Use
323	Asia	Indonesia	IDN/S 203/96	Comprehensive River Water Management Plan in JABOTABEK	M/P+F/S	River & Erosion Control	Processing
325	Asia	Indonesia	IDN/S 401/96	Medan Flood Control Project	D/D	River & Erosion Control	Implementing
327	Asia	Indonesia	IDN/S 102/97	Integrated Air Quality Management for Jakarta Metropolitan Area	M/P	Environmental Problems	In Progress or In Use
329	Asia	Indonesia	IDN/S 204/97	Flood Control for Ambon and Pasahari Area	M/P+F/S	River & Erosion Control	Promoting
331	Asia	Indonesia	IDN/S 205/97	The Revise of Jakarta Water Supply Development Project	M/P+F/S	Water Supply	Implementing
333	Asia	Indonesia	IDN/S 206/97	Arterial Road System Development in Surabaya Metropolitan Area	M/P+F/S	Road	Promoting
335	Asia	Indonesia	IDN/A 309/97	Social Forestry Development Project in the Upper Musi Watershed	F/S	Forestry & Forest Conservation	Partially Completed
337	Asia	Indonesia	IDN/S 402/97	Detailed Design for Urban Drainage Project in the City of Jakarta	D/D	Sewerage	Implementing
339	Asia	Indonesia	IDN/S 102/98	Port Development Strategy	M/P	Port	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
341	Asia	Indonesia	IDN/S 103/98	Comprehensive Management Plan for the Water Resources of the Brantas River Basin	M/P	River & Erosion Control	In Progress or In Use
343	Asia	Indonesia	IDN/S 104/98	Development Study of Economic Model for Planning Exercises; Long Term Programming Model	M/P	(Development Plan in) General	In Progress or In Use
345	Asia	Indonesia	IDN/S 113/98	Comprehensive Development Plan for the Western Part of Kalimantan	M/P	Integrated Regional Development Plan	In Progress or In Use
347	Asia	Indonesia	IDN/A 117/98	Improvement in Quality of the Tropical Fruits	M/P	(Agriculture in) General	In Progress or In Use
349	Asia	Indonesia	IDN/S 203/98	Road Network Study in Central and South-East Sulawesi	M/P+F/S	Road	Implementing
351	Asia	Indonesia	IDN/S 204/98	Nationwide Ferry Service Route, Stage 2	M/P+F/S	Marine Transportation & Shipping	Promoting
353	Asia	Indonesia	IDN/A 219/98	Integrated Development Project for Rural Cooperatives	M/P+F/S	(Agriculture in) General	Promoting
355	Asia	Indonesia	IDN/S 202/99	Study on Land Provision for Housing and Settlements Development through KASIBA and Land Reajustment in Jakarta Metropolitan Area	M/P+F/S	Urban Planning & Land Development	Promoting
357	Asia	Indonesia	IDN/A 301/00	The Feasibility Study on the Integrated Agricultural and Rural Development in Highland in Republic of Indonesia	F/S	(Agriculture in) General	Promoting
359	Asia	Indonesia	IDN/S 401/00	Detailed Design of Flood Control and Water Resources Development Project in Semarang in the Republic of Indonesia	D/D	Water Resources Development	Promoting
361	Asia	Indonesia	IDN/S 103/01	The Study on the Coral Reef Rehabilitation and Management in North Sulawesi Province	M/P	Environmental Problems	In Progress or In Use
363	Asia	Indonesia	IDN/S 104/01	The Study on Regional Educational Development and Improvement Project	M/P	Education	In Progress or In Use
365	Asia	Indonesia	IDN/A 105/01	The Study for Improvement of Irrigation System and Empowerment of Water User's Association for Enhancement of Turnover Program	M/P	(Agriculture in) General	In Progress or In Use
367	Asia	Indonesia	IDN/A 203/01	The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed	M/P+F/S	Forestry & Forest Conservation	Delayed or Suspended
369	Asia	Indonesia	IDN/A 201/02	The Study on Fisheries Infrastructure Support and Coastal Communities Development Plan in Eastern Indonesia	M/P+F/S	Fishery	Promoting
371	Asia	Indonesia	IDN/S 204/02	The Study on the Development Scheme for the Principal River Ports in Indonesia	M/P+F/S	Disaster Relief	Promoting
373	Asia	Indonesia	IDN/S 205/02	Study for the Maritime Traffic Safty System Development Plan	M/P+F/S	Marine Transportation & Shipping	Processing
375	Asia	Indonesia	IDN/S 206/02	The Study on Flood Control Project in Limboto Bolango Bone Basin , North Sulawesi in the Republic of Indonesia	M/P+F/S	Disaster Relief	Promoting
377	Asia	Indonesia	IDN/S 305/02	The Feasibility Study on Rural Water Supply Project in Nusa Tenggara Barat and Nusa Tenggara Timur	F/S	Water Resources Development	Processing
379	Asia	Indonesia	IDN/S 101/03	The Study on Complehensive Water Management of Musi River Basin	M/P+F/S	River & Erosion Control	Promoting
381	Asia	Indonesia	IDN/S 102/03	The Study on Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia	M/P	Marine Transportation & Shipping	In Progress or In Use
383	Asia	Indonesia	IDN/S 201/03	The Study on Integrated Transportation Master Plan for JABOTABEK in the Republic of Indonesia (Phase 1)	M/P+F/S	Urban Transportation	Implementing
385	Asia	Indonesia	IDN/A 201/03	The study for Comprehenine Recovery Programmes of Irrigation Agriculture	M/P+F/S	Irrigation, Drainage & Reclamation	Promoting
387	Asia	Indonesia	IDN/S 202/03	The Study for Development of the Greater Jakarta Metropokitan Ports of Indonesia	M/P+F/S	Port	Processing
389	Asia	Indonesia	IDN/S 101/04	The Study on the Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia (STRAMINDO)	M/P	Marine Transportation & Shipping	In Progress or In Use
391	Asia	Indonesia	IDN/S 102/04	The Master Plan Study for the Strategic Policy of the Air Transport Sector	M/P	Air Transportation & Airport	In Progress or In Use
393	Asia	Indonesia	IDN/S 103/04	The Study on Regional Educational Development and Improvement Program (phase 2)	M/P	Education	In Progress or In Use
395	Asia	Laos	LAO/S 201B/89	Improvement of Drainage System in Vientiane	M/P+F/S	River & Erosion Control	Implementing
397	Asia	Laos	LAO/A 301/89	Agricultural and Rural Development Project in the Suburbs of Vientiane	F/S	(Agriculture in) General	Completed
399	Asia	Laos	LAO/S 301/90	The Ngon Bridge Construction Project	F/S	Road	Completed
401	Asia	Laos	LAO/A 101/92	The Integrated Agricultural Rural Development Project in Savannakhet Province	M/P	(Agriculture in) General	In Progress or In Use
403	Asia	Laos	LAO/S 202B/92	Solid Waste Management System Improvement Project in Vientiane	M/P+F/S	Urban Sanitation	Completed
405	Asia	Laos	LAO/A 221/93	Agricultural Development Project to Control Slash and Burn Cultivation in Oudomxay Province	M/P+F/S	(Agriculture in) General	Partially Completed
407	Asia	Laos	LAO/S 203/95	Groundwater Development for Champasak and Saravan Provinces	M/P+F/S	Water Resources Development	Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
409	Asia	Laos	LAO/S 501/95	Topographic Mapping of Bolikhamxai Province	Basic Study	Survey & Mapping	In Progress or In Use
411	Asia	Laos	LAO/A 201/96	Integrated Agricultural Rural Development Project in Boloven Plateau	M/P+F/S	(Agriculture in) General	Promoting
413	Asia	Laos	LAO/S 306/96	Construction of Mekong Bridge at Pakse	F/S	Road	Completed
415	Asia	Laos	LAO/A 118/98	Watershed Management Plan for Forest Conservation in Vangvieng District	M/P	Forestry & Forest Conservation	In Progress or In Use
417	Asia	Laos	LAO/A 202/00	The Study for the Small Rural Environment Improvement Program for the Depressed Communities in the Districts along the Mekong River	M/P+F/S	(Agriculture in) General	Implementing
419	Asia	Laos	LAO/S 302/00	Study on Rural Water Supply and Sanitation Improvement in North-West Region in the Lao People's Democratic Republic	F/S	Water Supply	Completed
421	Asia	Laos	LAO/A 106/01	Master Plan Study on Integrated Agricultural Development	M/P	(Agriculture in) General	In Progress or In Use
423	Asia	Laos	LAO/S 112/02	The Study on the Improvement of Rural Health Services in the Lao People's Democratic Republic	M/P	Public Health and Medicine	In Progress or In Use
425	Asia	Laos	LAO/S 113/02	The Study on the Telecommunications Development in Lao P.D.R.	M/P	Telecommunication	In Progress or In Use
427	Asia	Laos	LAO/S 207/02	The Study on Improvement of road in the Southern region in Lao P.D.R	M/P+F/S	Road	Promoting
429	Asia	Laos	LAO/S 504/02	The Establishment of GIS Base Map Data for Mekong River Basin in Lao People's Democratic Republic	Basic Study	Survey & Mapping	In Progress or In Use
431	Asia	Laos	LAO/S 201/03	Vientiane Water Supply Development Project	M/P+F/S	Water Supply	Promoting
433	Asia	Laos	LAO/S 101/04	The Study on Mecong Riverbank Protection around Vientian Municipality, in the Lao People's Democratic Republic	M/P	River & Erosion Control	In Progress or In Use
435	Asia	Malaysia	MYS/S 301/77	Kuantan-Kuching Submarine Cable Project	F/S	Telecommunication	Completed
437	Asia	Malaysia	MYS/S 201B/78	Sewerage and Drainage System Project: Butterworth/Bukit Mertajam Metropolitan Area	M/P+F/S	Sewerage	Completed
439	Asia	Malaysia	MYS/A 201B/79	Trengganu Swamp Area Integrated Agricultural Development	M/P+F/S	(Agriculture in) General	Discontinued or Cancelled
441	Asia	Malaysia	MYS/S 601/79	Bintulu Deepwater Port Project	Other Studies	Port	In Progress or In Use
443	Asia	Malaysia	MYS/S 202B/80	Kelantan Port Development Project	M/P+F/S	Port	Discontinued or Cancelled
445	Asia	Malaysia	MYS/S 302/80	Beluru/Long Lama/Limbank Trunk Road Construction Project in Sarawak	F/S	Road	Completed
447	Asia	Malaysia	MYS/S 303/80	Flood Forecasting and Warning System in Sabah and Sarawak	F/S	River & Erosion Control	Completed
449	Asia	Malaysia	MYS/S 203B/81	Sewerage and Drainage System Project in Alor Setar and its Urban Environs	M/P+F/S	Sewerage	Partially Completed
451	Asia	Malaysia	MYS/S 304/81	VHF/FM Broadcast Coverage for Peninsular Malaysia	F/S	Broadcasting	Completed
453	Asia	Malaysia	MYS/S 101/82	National Water Resources Study	M/P	Water Resources Development	In Progress or In Use
455	Asia	Malaysia	MYS/S 204B/82	Urban Transport in Greater Metropolitan Areas of George Town, Butterworth and Bukit Mentajam	M/P+F/S	Road	Promoting
457	Asia	Malaysia	MYS/S 205B/82	Sewerage and Drainage System Project in Kelang, Port Kelang and its Environs	M/P+F/S	Sewerage	Partially Completed
459	Asia	Malaysia	MYS/S 305/82	Reclamation Project of Ex-Mining Land for Housing Development and Other Purposes	F/S	Architecture & Housing	Discontinued or Cancelled
461	Asia	Malaysia	MYS/S 306/82	Kinabatangan River Basin Development Project	F/S	Water Resources Development	Discontinued or Cancelled
463	Asia	Malaysia	MYS/S 102/83	Railway Development Plan	M/P	Railway	In Progress or In Use
465	Asia	Malaysia	MYS/S 307/83	VHF/FM Broadcast Coverage for the States of Sabah and Sarawak	F/S	Broadcasting	Completed
467	Asia	Malaysia	MYS/S 206B/84	JB-Transplan: Road Construction and Improvement Project in Johor Bahru and its Conurbation	M/P+F/S	Road	Completed
469	Asia	Malaysia	MYS/S 208/84	Perlis Port Development Project	M/P+F/S	Port	Promoting
471	Asia	Malaysia	MYS/A 301/84	Afforestation and Settlement Project in Division V of the Bengkoka Area of the State of Sabah	F/S	Forestry & Forest Conservation	Discontinued or Cancelled
473	Asia	Malaysia	MYS/S 309/84	Perlis-Kedah-Pulau Pinang Regional Water Resources (National Water Resources Study)	F/S	Water Resources Development	Discontinued or Cancelled
475	Asia	Malaysia	MYS/S 103/85	Integrated Development of South Trengganu	M/P	Integrated Regional Development Plan	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
477	Asia	Malaysia	MYS/S 104/85	Regional Water Resources of South Johor (National Water Resources Study)	M/P	Water Resources Development	Discontinued or Cancelled
479	Asia	Malaysia	MYS/S 310/85	Tatau-Kapit Trunk Road Project in Sarawak	F/S	Road	Discontinued or Cancelled
481	Asia	Malaysia	MYS/S 311/85	New East-West Railway Project and the West Coast Railway Project	F/S	Railway	Discontinued or Cancelled
483	Asia	Malaysia	MYS/S 105/86	Klang Valley Transportation Study	M/P	Urban Transportation	In Progress or In Use
485	Asia	Malaysia	MYS/S 312/86	Kuantan-Kota Kinabalu Submarine Cable Project	F/S	Telecommunication	Completed
487	Asia	Malaysia	MYS/A 302/87	Tanjong Karang Irrigation Development Management Project	F/S	(Agriculture in) General	Completed
489	Asia	Malaysia	MYS/S 313/87	Computerized Area Traffic Control System in Penang	F/S	Urban Transportation	Completed
491	Asia	Malaysia	MYS/S 207B/88	Flood Mitigation of the Klang River Basin	M/P+F/S	River & Erosion Control	Implementing
493	Asia	Malaysia	MYS/S 314/88	National Tourism Development Plan	F/S	(Tourism in) General	Partially Completed
495	Asia	Malaysia	MYS/S 208B/89	Kelantan River Basin Flood Mitigation	M/P+F/S	River & Erosion Control	Promoting
497	Asia	Malaysia	MYS/S 209B/89	Solid Waste Management for Pulau Pinang and Seberang Perai Municipalities	M/P+F/S	Urban Sanitation	Partially Completed
499	Asia	Malaysia	MYS/S 315/89	Transportation Facilities Projects in Klang Valley	F/S	Urban Transportation	Partially Completed
501	Asia	Malaysia	MYS/S 316/89	Traffic Control and Management System of Malaysian Expressways and Toll Highways	F/S	Road	Implementing
503	Asia	Malaysia	MYS/A 101/90	Fish Marketing and Distribution System	M/P	Fishery	In Progress or In Use
505	Asia	Malaysia	MYS/A 202B/90	Rationalization and Crop Diversification in Non-Granary Irrigated Areas	M/P+F/S	(Agriculture in) General	Implementing
507	Asia	Malaysia	MYS/S 210B/90	Flood Mitigation and Drainage in Penang Island	M/P+F/S	River & Erosion Control	Partially Completed
509	Asia	Malaysia	MYS/S 317/90	Rail-based Commuter Services in Klang Valley	F/S	Railway	Completed
511	Asia	Malaysia	MYS/S 211B/91	Development of Rajang Port	M/P+F/S	Port	Partially Completed
513	Asia	Malaysia	MYS/S 106/92	Highway Network Development Plan	M/P	Road	In Progress or In Use
515	Asia	Malaysia	MYS/S 107B/92	Maintenance and Rehabilitation of Bridges	M/P	Road	In Progress or In Use
517	Asia	Malaysia	MYS/S 103/93	Air Quality Management Study for Kelang Valley Region	M/P	Environmental Problems	In Progress or In Use
519	Asia	Malaysia	MYS/A 311/93	The Pilot Project for Improvement of Fish Marketing and Distribution System in East Johor	F/S	Fishery	Implementing
521	Asia	Malaysia	MYS/A 102/94	Forest Plantation Development in Northern Sabah	M/P	Forestry & Forest Conservation	In Progress or In Use
523	Asia	Malaysia	MYS/S 213/94	National River Mouths Study in Malaysia	M/P+F/S	River & Erosion Control	Partially Completed
525	Asia	Malaysia	MYS/A 312/94	Small Reservoir Development in Peninsular Malaysia	F/S	Irrigation, Drainage & Reclamation	Completed
527	Asia	Malaysia	MYS/S 107/95	Comprehensive Management Plan of Muda River Basin	M/P	Water Resources Development	In Progress or In Use
529	Asia	Malaysia	MYS/S 318/95	Introduction of Land Readjustment	F/S	Urban Planning & Land Development	Promoting
531	Asia	Malaysia	MYS/S 108/96	Standardization of the Bridge Design	M/P	Road	In Progress or In Use
533	Asia	Malaysia	MYS/S 307/96	Kuala Lumpur Outer Ring Road	F/S	Road	Implementing
535	Asia	Malaysia	MYS/A 310/97	Forestry Development Project in Marak Parak, Northern Sabah	F/S	Forestry & Forest Conservation	Delayed or Suspended
537	Asia	Malaysia	MYS/S 205/98	Establishment of the River Basin Information System	M/P+F/S	River & Erosion Control	Completed
539	Asia	Malaysia	MYS/A 220/98	Modernization of Irrigation Water Management System in the Granary Areas of the Peninsular Malaysia	M/P+F/S	(Agriculture in) General	Promoting
541	Asia	Malaysia	MYS/S 119/99	The Study on Integrated Urban Transportation Strategic for Environmental Improvement in Kuala Lumpur	M/P	Urban Transportation	In Progress or In Use
543	Asia	Malaysia	MYS/S 204/00	The Study on Integrated Urban Drainage Improvement for Melaka and Sungai Petani in Malaysia	M/P+F/S	Sewerage	Partially Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
545	Asia	Malaysia	MYS/S 107/01	The Study for the sustainable Groundwater Resource and Environmental Management for the Langat Basin	M/P	Environmental Problems	In Progress or In Use
547	Asia	Malaysia	MYS/S 108/01	Slope Disaster Management Study for Federal Highway	M/P	Road	In Progress or In Use
549	Asia	Malaysia	MYS/S 208/02	The Study on Enhancement of Info-Communications Access in Rural Communities in Malaysia	M/P+F/S	Information & Public Relations	Implementing
551	Asia	Malaysia	MYS/S 101/03	The Study on Deveopment for Enhancing Rural Women Entrepreneurs in Sabah Malaysia	M/P	(Human Resources in) General	In Progress or In Use
553	Asia	Malaysia	MYS/S 501/04	Study on the Safety Closures and Rehabilitation of Landfill Sites in Malaysia	Basic Study	(Public Utilities in) General	In Progress or In Use
555	Asia	Myanmar	MYN/A 101/79	Irrawaddy Basin Integrated Agricultural Development Project	M/P	(Agriculture in) General	In Progress or In Use
557	Asia	Myanmar	MYN/A 301/79	Rice Mill Project	F/S	Agricultural Processing	Completed
559	Asia	Myanmar	MYN/S 301/80	Rangoon International Airport Development	F/S	Air Transportation & Airport	Implementing
561	Asia	Myanmar	MYN/A 302/80	South Nawin Irrigation Project	F/S	(Agriculture in) General	Completed
563	Asia	Myanmar	MYN/A 303/81	Okkan Dam Irrigation Project	F/S	(Agriculture in) General	Completed
565	Asia	Myanmar	MYN/S 302/84	Construction of Dry - Dock Project	F/S	Transportation & Ship	Promoting
567	Asia	Myanmar	MYN/S 303/84	Electrification of Rangoon Circular Railway Line	F/S	Railway	Discontinued or Cancelled
569	Asia	Myanmar	MYN/S 304/86	Irrawaddy River Bridge Construction Project	F/S	(Transportation in) General	Discontinued or Cancelled
571	Asia	Myanmar	MYN/S 305/86	Track, Telecommunication and Signaling Improvement Project	F/S	Railway	Promoting
573	Asia	Myanmar	MYN/S 114/02	The Study on Improvement of Water Supply System in Yangon City in the Union of Myanmar	M/P	Water Resources Development	In Progress or In Use
575	Asia	Myanmar	MYN/S 101/03	The Study on Water Supply System in Mandalay City and in the Central Dry Zone in the Union of Myanmar	M/P	Water Supply	In Progress or In Use
577	Asia	Myanmar	MYN/S 501/04	The study on the establishment of geographic database for national rehabilitation and development programme in the Union of Myanmar	Basic Study	Survey & Mapping	In Progress or In Use
579	Asia	Philippines	PHL/A 301/76	Cagayan Integrated Agricultural Development Project	F/S	(Agriculture in) General	Completed
581	Asia	Philippines	PHL/S 301/76	Construction Plan of Subic Ship Repair Yard	F/S	Transportation & Ship	Completed
583	Asia	Philippines	PHL/S 302/76	Pan-Philippine Highway Ferry Service Plan	F/S	Transportation & Ship	Completed
585	Asia	Philippines	PHL/S 303/76	Manila Rapid Transit Railway Line No.1	F/S	Railway	Discontinued or Cancelled
587	Asia	Philippines	PHL/A 302/77	Grain Terminal Construction Projects in Manila and Cebu	F/S	Irrigation, Drainage & Reclamation	Discontinued or Cancelled
589	Asia	Philippines	PHL/S 304/77	Flood-Forecasting Systems in the Agno, Bicol and Cagayan River Basins	F/S	River & Erosion Control	Completed
591	Asia	Philippines	PHL/A 501/77	Fish Finding (Skipjack) Survey	Basic Study	Fishery	Discontinued or Cancelled
593	Asia	Philippines	PHL/S 601/77	Pan-Philippine Highway Ferry Service (Follow-Up)	Other Studies	Marine Transportation & Ship	In Progress or In Use
595	Asia	Philippines	PHL/S 101/78	Pasig-Potrero River Flood Control and Sabo Project	M/P	Water Resources Development	Discontinued or Cancelled
597	Asia	Philippines	PHL/A 303/78	Bohol Integrated Agricultural Development Project	F/S	(Agriculture in) General	Completed
599	Asia	Philippines	PHL/S 305/78	C-3 and R-4 and Related Roads Project	F/S	Road	Completed
601	Asia	Philippines	PHL/S 306/78	Telecommunications Network Project in the Northern Part of Luzon	F/S	Telecommunication	Completed
603	Asia	Philippines	PHL/A 601/78	Review on the Feasibility Study of Fishing Port Package-1	Other Studies	Fishery	In Progress or In Use
605	Asia	Philippines	PHL/S 102/79	Bohol Integrated Area Development Project	M/P	Integrated Regional Development Plan	In Progress or In Use
607	Asia	Philippines	PHL/S 307/79	Hospital Development Project	F/S	Architecture & Housing	Discontinued or Cancelled
609	Asia	Philippines	PHL/S 103/80	Mayon Volcano Sabo and Flood Control Project	M/P	River & Erosion Control	In Progress or In Use
611	Asia	Philippines	PHL/A 304/80	Ilocos Norte Irrigation Project	F/S	(Agriculture in) General	Partially Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
613	Asia	Philippines	PHL/S 308/80	Manila-Bataan Coastal Road and its Related Roads	F/S	Road	Discontinued or Cancelled
615	Asia	Philippines	PHL/S 104/81	Davao City Urban Transport and Land Use	M/P	Urban Transportation	In Progress or In Use
617	Asia	Philippines	PHL/S 309/81	Rural Telecommunications Project in Regions III (Central Luzon) and IV (Southern Tagalog)	F/S	Telecommunication	Completed
619	Asia	Philippines	PHL/S 310/81	Pampanga Delta Development Project	F/S	River & Erosion Control	Implementing
621	Asia	Philippines	PHL/S 201B/82	Development Project of the Port of Irene	M/P+F/S	Port	Promoting
623	Asia	Philippines	PHL/S 202B/82	Local Water Supply Projects	M/P+F/S	Water Supply	Partially Completed
625	Asia	Philippines	PHL/A 305/82	Mabini Agricultural Development Project	F/S	(Agriculture in) General	Promoting
627	Asia	Philippines	PHL/A 306/82	Alcogas Project	F/S	(Agriculture in) General	Discontinued or Cancelled
629	Asia	Philippines	PHL/S 311/82	Dalton Pass Tunnel Project	F/S	Road	Discontinued or Cancelled
631	Asia	Philippines	PHL/S 312/82	Metro Manila Outer Major Roads Project (Southern Package)	F/S	Road	Partially Completed
633	Asia	Philippines	PHL/S 501/82	Topographic Mapping Project for Cagayan Valley	Basic Study	Survey & Mapping	In Progress or In Use
635	Asia	Philippines	PHL/A 307/83	Matuno River Development Project	F/S	(Agriculture in) General	Promoting
637	Asia	Philippines	PHL/A 308/83	Improvement Project of the Operation & Maintenance of National Irrigation Systems (UPRIIS)	F/S	(Agriculture in) General	Processing
639	Asia	Philippines	PHL/A 309/83	Improvement Project of the Operation & Maintenance of National Irrigation Systems (AMRIS)	F/S	(Agriculture in) General	Completed
641	Asia	Philippines	PHL/S 313/83	Metro Manila Outer Major Roads Project (Northern Package)	F/S	Road	Implementing
643	Asia	Philippines	PHL/S 602/83	Mayon Volcano Sabo and Flood Control Project (Re-Study)	Other Studies	River & Erosion Control	In Progress or In Use
645	Asia	Philippines	PHL/A 101/84	Nationwide Ice Plants and Cold Storages Network System	M/P	Fishery	In Progress or In Use
647	Asia	Philippines	PHL/S 105/84	Infanta - Real Area Urban Development Project	M/P	Urban Planning & Land Development	Delayed
649	Asia	Philippines	PHL/A 310/84	Gumain River Irrigation Project	F/S	(Agriculture in) General	Delayed or Suspended
651	Asia	Philippines	PHL/S 314/84	Development Project of the Port of San Fernando	F/S	Port	Implementing
653	Asia	Philippines	PHL/S 315/84	Development Project on the Meteorological Telecommunication System	F/S	Meteorology & Seismology	Completed
655	Asia	Philippines	PHL/S 316/84	Philippine Road Disaster Prevention Project	F/S	Road	Partially Completed
657	Asia	Philippines	PHL/S 106/85	Panay River Basin Wide Flood Control	M/P	River & Erosion Control	In Progress or In Use
659	Asia	Philippines	PHL/S 107/85	Metro Manila Transportation Planning	M/P	Urban Transportation	In Progress or In Use
661	Asia	Philippines	PHL/S 203B/85	Development Project on the Port of Batangas	M/P+F/S	Port	Implementing
663	Asia	Philippines	PHL/A 311/85	Asue River Basin Agricultural Development Project	F/S	(Agriculture in) General	Delayed or Suspended
665	Asia	Philippines	PHL/A 312/85	Bohol Irrigation Development Project (Phase II)	F/S	(Agriculture in) General	Partially Completed
667	Asia	Philippines	PHL/S 317/85	San Roque Multipurpose Project (Re-Study)	F/S	Water Resources Development	Implementing
669	Asia	Philippines	PHL/S 318/85	Philippine Road Disaster Prevention Project (Stage II)	F/S	Road	Partially Completed
671	Asia	Philippines	PHL/S 204B/86	Municipal Water Supply Project	M/P+F/S	Water Supply	Partially Completed
673	Asia	Philippines	PHL/A 102/87	Improvement Project of the O&M of Magat River Integrated Irrigation	M/P	(Agriculture in) General	In Progress or In Use
675	Asia	Philippines	PHL/S 108/87	Cagayan River Basin Water Resources Development	M/P	Water Resources Development	In Progress or In Use
677	Asia	Philippines	PHL/S 319/87	Road Improvement Project on the Pan-Philippine Highway (Philippines-Japan Friendship Highway)	F/S	Road	Partially Completed
679	Asia	Philippines	PHL/S 320/87	Manila South Port Rehabilitation Project	F/S	Port	Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
681	Asia	Philippines	PHL/A 103/88	Integrated Agricultural/Rural Development Project in Western Samar	M/P	(Agriculture in) General	In Progress or In Use
683	Asia	Philippines	PHL/A 313/88	Highland Integrated Rural Development Project in La Trinidad, Province of Benguet	F/S	(Agriculture in) General	Completed
685	Asia	Philippines	PHL/A 314/88	Improvement of Operation and Maintenance in Pumping Irrigation Systems	F/S	Irrigation, Drainage & Reclamation	Promoting
687	Asia	Philippines	PHL/S 321/88	Rural Road Network Development Project	F/S	Road	Partially Completed
689	Asia	Philippines	PHL/S 502/88	Establishment of Graphic Information Base Project of National Capital Region	Basic Study	Survey & Mapping	In Progress or In Use
691	Asia	Philippines	PHL/A 602/88	Preparation of Forest Information in Wide Area and Forest Management Planning	Other Studies	Forestry & Forest Conservation	In Progress or In Use
693	Asia	Philippines	PHL/A 104/89	Fish Transport System	M/P	Fishery	In Progress or In Use
695	Asia	Philippines	PHL/A 105/89	Small Water Impounding Management Project	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
697	Asia	Philippines	PHL/A 201B/89	Integrated Agricultural Development Project in Marinduque	M/P+F/S	(Agriculture in) General	Partially Completed
699	Asia	Philippines	PHL/S 205B/89	Groundwater Development in Panay Island	M/P+F/S	Water Resources Development	Partially Completed
701	Asia	Philippines	PHL/S 206B/89	Flood Control and Drainage Project in Metro Manila	M/P+F/S	River & Erosion Control	Partially Completed
703	Asia	Philippines	PHL/S 322/89	Rehabilitation and Maintenance of Bridges along Arterial Roads	F/S	Road	Completed
705	Asia	Philippines	PHL/A 106/90	Improvement of Communal Irrigation Systems through Physical and Institutional Development and Rural Development in Southern Tarlac Province	M/P	(Agriculture in) General	Delayed
707	Asia	Philippines	PHL/A 315/90	Integrated Jala-Jala Rural Development Project	F/S	(Agriculture in) General	Completed
709	Asia	Philippines	PHL/A 316/90	Improvement of Seed Production and Distribution, and Establishment of Appropriate Seed Storage System	F/S	(Agriculture in) General	Partially Completed
711	Asia	Philippines	PHL/S 323/90	Rural Road Network Development Project (II)	F/S	Road	Processing
713	Asia	Philippines	PHL/A 107/91	Small-Scale Irrigation Development Project (SSIDP)	M/P	(Agriculture in) General	In Progress or In Use
715	Asia	Philippines	PHL/S 109/91	Calabarzon Integrated Regional Development	M/P	Integrated Regional Development Plan	In Progress or In Use
717	Asia	Philippines	PHL/S 110/91	Ilog-Hilabangan River Basin Flood Control Project	M/P	River & Erosion Control	Delayed
719	Asia	Philippines	PHL/S 207B/91	Agno River Basin Flood Control	M/P+F/S	River & Erosion Control	Implementing
721	Asia	Philippines	PHL/S 324/91	Rural Road Disaster Prevention Project	F/S	Road	Implementing
723	Asia	Philippines	PHL/S 325/91	Balara Water Treatment Plant Rehabilitation Project	F/S	Water Supply	Completed
725	Asia	Philippines	PHL/A 108/92	Integrated Rural Development Program in Pampanga	M/P	(Agriculture in) General	In Progress or In Use
727	Asia	Philippines	PHL/S 111/92	Master Plan on Maritime Safety	M/P	Marine Transportation & Shipping	In Progress or In Use
729	Asia	Philippines	PHL/S 208B/92	Nationwide Roll-on Roll-off Transport System Development	M/P+F/S	Port	Implementing
731	Asia	Philippines	PHL/S 209B/92	The Development Plan of Davao International Airport	M/P+F/S	Air Transportation & Airport	Implementing
733	Asia	Philippines	PHL/S 503/92	Groundwater Development in Metro Manila	Basic Study	Water Resources Development	In Progress or In Use
735	Asia	Philippines	PHL/S 106/93	Luzon Island Strategic Road Network Development Project	M/P	Road	In Progress or In Use
737	Asia	Philippines	PHL/S 107/93	Telecommunication Network Project	M/P	Telecommunication	In Progress or In Use
739	Asia	Philippines	PHL/A 113/93	Study for Strengthening the Agricultural Cooperatives System	M/P	(Agriculture in) General	In Progress or In Use
741	Asia	Philippines	PHL/S 206/93	Metro Manila Urban Expressway System Study	M/P+F/S	Road	Partially Completed
743	Asia	Philippines	PHL/S 112/94	Greater Capital Region Integrated Port Development Study	M/P	Port	In Progress or In Use
745	Asia	Philippines	PHL/S 115/94	Cebu Integrated Area Development	M/P	Integrated Regional Development Plan	In Progress or In Use
747	Asia	Philippines	PHL/A 202/94	Marikina Watershed Development Project	M/P+F/S	Forestry & Forest Conservation	Implementing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
749	Asia	Philippines	PHL/S 211/94	Flood Control for Rivers in the Selected Urban Centers	M/P+F/S	River & Erosion Control	Partially Completed
751	Asia	Philippines	PHL/A 317/94	Upland Irrigation and Rural Development Project in Southern Luzon	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
753	Asia	Philippines	PHL/A 318/94	Development of Viable Agrarian Reform Communities in Southern Palawan	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
755	Asia	Philippines	PHL/S 116/95	Central Luzon Development Program	M/P	Integrated Regional Development Plan	In Progress or In Use
757	Asia	Philippines	PHL/S 117/95	Waterworks and Sewerage System in Metro Manila	M/P	(Public Utilities in) General	In Progress or In Use
759	Asia	Philippines	PHL/S 118/95	Preparation of Provincial Water Supply, Sewerage and Sanitation Sector Plan	M/P	(Public Utilities in) General	In Progress or In Use
761	Asia	Philippines	PHL/S 326/95	Pan-Philippine Highway Improvement Project	F/S	Road	Partially Completed
763	Asia	Philippines	PHL/S 327/95	Cavite Water Supply Development Study	F/S	Water Resources Development	Implementing
765	Asia	Philippines	PHL/S 206/96	Selected Airports Master Planning Project	M/P+F/S	Air Transportation & Airport	Implementing
767	Asia	Philippines	PHL/S 207/96	Environmentally Sustainable Tourism Development Plan for Northern Palawan	M/P+F/S	(Tourism in) General	Processing
769	Asia	Philippines	PHL/S 208/96	Flood and Mudflow Control for Sacobia-Bamban/ Abacan River from Mt.Pinatubo	M/P+F/S	River & Erosion Control	Partially Completed
771	Asia	Philippines	PHL/A 301/96	Western Legazpi Irrigation and Rural Development Project	F/S	Irrigation, Drainage & Reclamation	Implementing
773	Asia	Philippines	PHL/S 402/96	Pan-Philippine Highway Improvement Project (Mindanao Section)	D/D	Road	Implementing
775	Asia	Philippines	PHL/S 208/97	Sabo and Flood Control in the Laoag River Basin	M/P+F/S	River & Erosion Control	Processing
777	Asia	Philippines	PHL/A 313/97	Development of Agrarian Reform Communities in Marginal Areas	F/S	(Agriculture in) General	Partially Completed
779	Asia	Philippines	PHL/S 105/98	Water Resources Management	M/P	Water Resources Development	In Progress or In Use
781	Asia	Philippines	PHL/S 114/98	Davao Integrated Development Program (Preparatory Study)	M/P	Integrated Regional Development Plan	In Progress or In Use
783	Asia	Philippines	PHL/A 221/98	Jalaur Irrigation System and Rural Area Development Project	M/P+F/S	(Agriculture in) General	Promoting
785	Asia	Philippines	PHL/S 109/99	Master Plan Study on Visayas and Mindanao Islands Strategic Road Network Development Project	M/P	Road	In Progress or In Use
787	Asia	Philippines	PHL/S 204/99	The Study on Metro Manila Urban Transport Integration	M/P+F/S	Urban Transportation	Processing
789	Asia	Philippines	PHL/S 207/99	The Study of New Communications, Navigation and Surveillance /Air Traffic Management System	M/P+F/S	Air Transportation & Airport	Completed
791	Asia	Philippines	PHL/S 208/99	The Study on the Subic Bay Port Master Plan	M/P+F/S	Port	Implementing
793	Asia	Philippines	PHL/S 304/99	Feasibility Study on Upgrading Inter-Urban Highway System (Sta. Rita -Sta. Jose Road Section)	F/S	Road	Processing
795	Asia	Philippines	PHL/S 401/99	Detailed Design Study on the Selected Airport (Trunkline) Development Project	D/D	Air Transportation & Airport	Implementing
797	Asia	Philippines	PHL/A 504/99	Mapping and Land Cover Assessment of Mangrove Areas	Basic Study	Forestry & Forest Conservation	In Progress or In Use
799	Asia	Philippines	PHL/S 102/00	Study on Provincial Water Supply, Sewerage and Sanitation Sector Plans for Visayas and Mindanao	M/P	Water Supply	In Progress or In Use
801	Asia	Philippines	PHL/A 201/00	The Study on the Development of Agrarian Reform Communities (ARCs) in the Province of Isabela, Philippine	M/P+F/S	(Agriculture in) General	Processing
803	Asia	Philippines	PHL/S 202/00	Study on Comprehensive Disaster Prevention around Mayon Volcano Area in the Republic of Philippines	M/P+F/S	River & Erosion Control	Promoting
805	Asia	Philippines	PHL/S 207/00	The Study on the Standardization for Integrated Railway Network of Metro Manila in the Republic of Philippines	M/P+F/S	Railway	Processing
807	Asia	Philippines	PHL/A 110/01	The Study on Strengthening of NIA's Management System	M/P	(Agriculture in) General	In Progress or In Use
809	Asia	Philippines	PHL/S 205/01	The Study on the Cebu Integrated Port Development Plan (Preparatory Study)	M/P+F/S	Port	Promoting
811	Asia	Philippines	PHL/S 301/01	Feasibility Study of the Flood Control Project for the Lower Cagayan River	F/S	River & Erosion Control	Promoting
813	Asia	Philippines	PHL/S 209/02	Study on Water Resources Development for Metro Manila	M/P+F/S	Disaster Relief	Promoting
815	Asia	Philippines	PHL/S 306/02	The Feasibility Study of the Proposed Cavite Busway System in The Republic of The Philippines	F/S	Land Transportation	Promoting

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
817	Asia	Philippines	PHL/S 401/02	D/D Study on Upgrading Inter-Urban Highway System along the Pan-Philippine Highway (Plaridel, Cabanatuan, San Jose Bypass)	D/D	Urban Transportation	Processing
819	Asia	Philippines	PHL/S 601/02	The Establishment of the Public-Private Participation Technique of Metro Manila Urban Expressway Construction in the Republic of the Philippines	Other Studies	Urban Transportation	Delayed
821	Asia	Philippines	PHL/A 101/03	The Study on the Irrigators Association Strengthening Project in National Irrigation Systems	M/P	(Agriculture in) General	In Progress or In Use
823	Asia	Philippines	PHL/S 101/03	Master Plan Study for Watershed Management in Upper Magat and Cagayan River Basin	M/P	River & Erosion Control	In Progress or In Use
825	Asia	Philippines	PHL/S 102/03	Earthquake Impact Reduction Study for Metropolitan Manila, Republic of Philippines	M/P	(Social Infrastructure in) General	In Progress or In Use
827	Asia	Philippines	PHL/S 103/03	The Study on the Mater Plan for the Strategic Development of the National port System in the Republic of the Philippines	M/P	Port	In Progress or In Use
829	Asia	Philippines	PHL/S 201/03	The study on Sabo and Flood Control for Western River Basis of mount Pinatubo in the Republic of the Philippines	M/P+F/S	River & Erosion Control	Promoting
831	Asia	Philippines	PHL/S 401/03	The Detailed Design for the New CNS/ ATM System Development Project in the Republic of the Philippines	D/D	Air Transportation & Airport	Processing
833	Asia	Philippines	PHL/S 101/04	The Study on Drainage Improvement in the Core Area of Metro Manila	M/P	Urban Sanitation	In Progress or In Use
835	Asia	Philippines	PHL/S 201/04	Study on the Improvement of Existing Bridges along Pasig River and Marikina River	M/P+F/S	Road	Promoting
837	Asia	Philippines	PHL/S 202/04	F/S on Road Network Improvement for Development of Regional Growth Centers	M/P+F/S	Road	Promoting
839	Asia	Singapore	SGP/S 101/78	Dredging Project of the Strait of Singapore	M/P	Port	In Progress or In Use
841	Asia	Singapore	SGP/S 301/86	Plant Renovation Project of the Sentosa-1 Earth Station	F/S	Telecommunication	Discontinued or Cancelled
843	Asia	Singapore	SGP/S 302/88	Singapore Urban Transport Improvement	F/S	Urban Transportation	Implementing
845	Asia	Singapore	SGP/S 303/90	Selected Expressways	F/S	Road	Partially Completed
847	Asia	Thailand	THA/S 301/76	Project of Strengthening and/ or Replacement of Steel Bridges on the State Railway	F/S	Railway	Partially Completed
849	Asia	Thailand	THA/A 301/77	Irrigated Agricultural Development Project in the West Bank Tract of the Greater Chao Phraya	F/S	(Agriculture in) General	Completed
851	Asia	Thailand	THA/S 401/77	Bangkok Telephone Network Project : Junction Lines	D/D	Telecommunication	Completed
853	Asia	Thailand	THA/S 302/78	Pattaya Tourism Development	F/S	(Tourism in) General	Discontinued or Cancelled
855	Asia	Thailand	THA/S 303/78	Separate System of Metropolitan Water Supply in Bangkok	F/S	Water Supply	Discontinued or Cancelled
857	Asia	Thailand	THA/S 304/78	Rural Long Distance Public Telephone Service	F/S	Telecommunication	Completed
859	Asia	Thailand	THA/S 305/78	Phetchabun - Chai Badan Highway Project	F/S	Road	Completed
861	Asia	Thailand	THA/A 101/79	Irrigated Agricultural Development in the Greater Mae Klong River	M/P	(Agriculture in) General	In Progress or In Use
863	Asia	Thailand	THA/S 101/79	Bangkok Suburban Transportation Project	M/P	Railway	In Progress or In Use
865	Asia	Thailand	THA/A 302/79	Kamphaeng Saen Irrigated Agriculture Development Project in the Mae Klong River Basin	F/S	(Agriculture in) General	Completed
867	Asia	Thailand	THA/S 306/79	Nong Bua - Ban Lam Chi Bon Highway Project	F/S	Road	Completed
869	Asia	Thailand	THA/A 303/80	Mae Wang-Kew Lom Irrigated Agriculture Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
871	Asia	Thailand	THA/S 307/80	Bangkok Urban Truck Terminals Construction Project	F/S	Land Transportation	Discontinued or Cancelled
873	Asia	Thailand	THA/S 402/80	Bangkok Telephone Network Project: Local Cable Network	D/D	Telecommunication	Completed
875	Asia	Thailand	THA/A 304/81	Kaeng Khoi-Ban Mo Pumping Irrigation Project	F/S	(Agriculture in) General	Implementing
877	Asia	Thailand	THA/S 201B/82	Road Development in the Northern Region	M/P+F/S	Road	Completed
879	Asia	Thailand	THA/A 201B/82	Agricultural Cooperative Promotion	M/P+F/S	(Agriculture in) General	Completed
881	Asia	Thailand	THA/S 202B/82	Bangkok Sewerage System Project	M/P+F/S	Sewerage	Completed
883	Asia	Thailand	THA/S 203B/82	Bangkok Solid Waste Management	M/P+F/S	Urban Sanitation	Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
885	Asia	Thailand	THA/A 305/82	Phetchaburi-Kaeng Krachan Irrigated Agriculture Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
887	Asia	Thailand	THA/A 306/82	Mae Kuang Irrigated Agriculture Development Project	F/S	(Agriculture in) General	Completed
889	Asia	Thailand	THA/A 307/82	Upper Pasak Medium Scale Irrigation Project	F/S	(Agriculture in) General	Completed
891	Asia	Thailand	THA/S 308/82	Rama VI Bridge Construction Project	F/S	Road	Completed
893	Asia	Thailand	THA/S 309/82	East Coast Water Resources Development Project	F/S	Water Resources Development	Completed
895	Asia	Thailand	THA/S 403/82	Rama VI Bridge Rehabilitation Project	D/D	Railway	Completed
897	Asia	Thailand	THA/S 404/82	Dok Krai - Mab Ta Pud Water Pipeline Project in the East Coast Area	D/D	Water Resources Development	Completed
899	Asia	Thailand	THA/S 501/82	Water Supply Project to Laotian Displaced Persons: Nakhon Phanom Camp and Pak Chom Camp	Basic Study	Water Resources Development	In Progress or In Use
901	Asia	Thailand	THA/S 102/83	Road Development in the Northeastern Region	M/P	Road	In Progress or In Use
903	Asia	Thailand	THA/S 204B/83	Development Project of the Industrial Port on the Eastern Seaboard	M/P+F/S	Port	Completed
905	Asia	Thailand	THA/A 308/83	Mae Chang Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
907	Asia	Thailand	THA/S 310/83	East Coast Water Resources Development (Phase II)	F/S	Water Resources Development	Implementing
909	Asia	Thailand	THA/S 311/83	Nong Kho - Leam Chabang Water Pipeline Project	F/S	Water Supply	Completed
911	Asia	Thailand	THA/S 312/83	Second Stage Expressway System in the Greater Bangkok	F/S	Road	Completed
913	Asia	Thailand	THA/S 103/84	Sub-Regional Development of the Upper Southern Part	M/P	Integrated Regional Development Plan	In Progress or In Use
915	Asia	Thailand	THA/S 205B/84	Development Project of Leam Chabang Coastal Area	M/P+F/S	Integrated Regional Development Plan	Completed
917	Asia	Thailand	THA/A 309/84	Lower Northeast Medium Scale Irrigation Package Project	F/S	(Agriculture in) General	Completed
919	Asia	Thailand	THA/S 313/84	Comprehensive Development of Coastal Shipping	F/S	Transportation & Marine	Discontinued or Cancelled
921	Asia	Thailand	THA/S 314/84	Track Elevation Project of Existing Railway Lines in the Bangkok Metropolitan Area	F/S	Railway	Discontinued or Cancelled
923	Asia	Thailand	THA/S 601/84	Traffic Safety Plan for Roads	Other Studies	(Transportation in) General	In Progress or In Use
925	Asia	Thailand	THA/S 206B/85	Master Plan on Flood Protection/Drainage Project in the Eastern Suburban Bangkok	M/P+F/S	River & Erosion Control	Partially Completed
927	Asia	Thailand	THA/A 310/85	Comprehensive Storage Facilities Development Project (Phase II)	F/S	(Agriculture in) General	Discontinued or Cancelled
929	Asia	Thailand	THA/A 311/85	Sakae Krang River Basin Irrigation Project	F/S	(Agriculture in) General	Promoting
931	Asia	Thailand	THA/S 315/85	Establishment of a Large Repair Shipyard	F/S	Transportation & Marine	Completed
933	Asia	Thailand	THA/S 316/85	Sanitary District Water Works Project in the Northeastern Region	F/S	Water Supply	Completed
935	Asia	Thailand	THA/S 317/85	Road Development in the Northeastern Region (Phase II)	F/S	Road	Completed
937	Asia	Thailand	THA/A 312/86	Bang Nara Irrigation and Drainage Project	F/S	(Agriculture in) General	Completed
939	Asia	Thailand	THA/S 318/86	Dredging Plant Development Project	F/S	Port	Partially Completed
941	Asia	Thailand	THA/S 602/86	Road Improvement, Rehabilitation and Traffic Safety in Bangkok	Other Studies	(Transportation in) General	In Progress or In Use
943	Asia	Thailand	THA/A 102/87	Aerial Photography and Forest Management Plan in the Encroached National Reserve Forest	M/P	Forestry & Forest Conservation	Discontinued or Cancelled
945	Asia	Thailand	THA/S 319/87	New Krungthep Bridge Construction and Thonburi Road Extension	F/S	Road	Completed
947	Asia	Thailand	THA/S 320/87	Railway Yards Improvement	F/S	Railway	Completed
949	Asia	Thailand	THA/S 603/87	Effective Port Management and Operation System	Other Studies	Port	In Progress or In Use
951	Asia	Thailand	THA/S 104/88	Flood Forecasting System in the Chao Phraya River Basin	M/P	River & Erosion Control	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
953	Asia	Thailand	THA/A 202B/88	Agricultural Land Conservation for Integrated Rural Development in the East of Thailand	M/P+F/S	(Agriculture in) General	Completed
955	Asia	Thailand	THA/S 207B/88	Road Development in the Central Region	M/P+F/S	Road	Partially Completed
957	Asia	Thailand	THA/S 208B/88	Potential Tourism Development for the Southern Region	M/P+F/S	(Tourism in) General	Implementing
959	Asia	Thailand	THA/S 321/88	Project of the Regional Truck Terminals	F/S	Land Transportation	Delayed or Suspended
961	Asia	Thailand	THA/S 502/88	Topographic Mapping of Bangkok Metropolitan Area	Basic Study	Survey & Mapping	In Progress or In Use
963	Asia	Thailand	THA/S 604/88	City Planning Manual	Other Studies	Urban Planning & Land Development	In Progress or In Use
965	Asia	Thailand	THA/A 103/89	Water Management System and Monitoring Program in Chao Phraya River Basin	M/P	(Agriculture in) General	In Progress or In Use
967	Asia	Thailand	THA/S 105/89	Telecommunications Development	M/P	Telecommunication	In Progress or In Use
969	Asia	Thailand	THA/A 203B/89	Sebai-Sebok Basin Development Project	M/P+F/S	(Agriculture in) General	Implementing
971	Asia	Thailand	THA/S 209B/89	Medium to Long Term Improvement/ Management Plan of Road and Road Transport in Bangkok	M/P+F/S	Urban Transportation	Partially Completed
973	Asia	Thailand	THA/S 210B/89	Provincial Water Supply Projects	M/P+F/S	Water Supply	Partially Completed
975	Asia	Thailand	THA/A 313/89	Agricultural Water Development Project on Chantaburi River Basin	F/S	(Agriculture in) General	Partially Completed
977	Asia	Thailand	THA/S 322/89	Purification of Klong Water in Bangkok	F/S	Sewerage	Partially Completed
979	Asia	Thailand	THA/S 323/89	Measures to Promote the Container Handling System through Laem Chabang Port	F/S	Port	Completed
981	Asia	Thailand	THA/S 106/90	Traffic Operation Plan for Roads	M/P	Road	In Progress or In Use
983	Asia	Thailand	THA/S 107/90	Upper Central Region Study	M/P	Integrated Regional Development Plan	In Progress or In Use
985	Asia	Thailand	THA/S 108/90	Development of Pattaya Area	M/P	Integrated Regional Development Plan	In Progress or In Use
987	Asia	Thailand	THA/A 204B/90	Agricultural Water Resources Development Project of Bang Pakong River Basin	M/P+F/S	(Agriculture in) General	Partially Completed
989	Asia	Thailand	THA/S 211B/90	Sewerage and Drainage Improvement Project for Phuket Municipality	M/P+F/S	Sewerage	Completed
991	Asia	Thailand	THA/S 212B/90	Bangkok Solid Waste Management	M/P+F/S	Urban Sanitation	Implementing
993	Asia	Thailand	THA/A 314/90	Sukhothai Integrated Agricultural and Rural Infrastructure Development Project	F/S	(Agriculture in) General	Partially Completed
995	Asia	Thailand	THA/S 405/90	Area Traffic Control Project in Bangkok	D/D	Urban Transportation	Completed
997	Asia	Thailand	THA/S 109/91	Toll Highway Development	M/P	Road	In Progress or In Use
999	Asia	Thailand	THA/A 205B/91	Integrated Rural Development of Salt Affected Land in Northeast Thailand	M/P+F/S	(Agriculture in) General	Delayed or Suspended
1001	Asia	Thailand	THA/S 213B/91	Road Development in the Southern Region	M/P+F/S	Road	Partially Completed
1003	Asia	Thailand	THA/A 315/91	Integrated Rural Development Project at Lower North Thailand	F/S	(Agriculture in) General	Completed
1005	Asia	Thailand	THA/S 605/91	Traffic Operation Plan for Roads (Follow-Up)	Other Studies	Road	In Progress or In Use
1007	Asia	Thailand	THA/A 206B/92	Lam Dom Yai Basin Irrigation Project	M/P+F/S	Irrigation, Drainage & Reclamation	Promoting
1009	Asia	Thailand	THA/S 214B/92	Regional Development Plan for Telecommunication Networks in the Bangkok Metropolitan Area	M/P+F/S	Telecommunication	Completed
1011	Asia	Thailand	THA/S 215B/92	The Tourism Development of the Hoa-Hin/Cha-Am Beach Area	M/P+F/S	(Tourism in) General	Partially Completed
1013	Asia	Thailand	THA/A 316/92	Integrated Agriculture and Water Resources Development Project of the Menam Chumphon Basin	F/S	(Agriculture in) General	Implementing
1015	Asia	Thailand	THA/S 324/92	Greater Bangkok Truck Terminal	F/S	Land Transportation	Completed
1017	Asia	Thailand	THA/S 108/93	Regional Development Plan for the Lower Northeast and the Upper East Regions in the Kingdom of Thailand	M/P	Integrated Regional Development Plan	In Progress or In Use
1019	Asia	Thailand	THA/S 207/93	Application Scheme of Land Readjustment (L/R) National Urban Development Trust	M/P+F/S	Urban Planning & Land Development	Promoting

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1021	Asia	Thailand	THA/S 208/93	Phuket International Airport Development Plan	M/P+F/S	Air Transportation & Airport	Completed
1023	Asia	Thailand	THA/S 209/93	Sewerage Development Project for Lower Chao Phraya River Basin	M/P+F/S	Sewerage	Partially Completed
1025	Asia	Thailand	THA/A 310/93	Agricultural Development for Peat/Acid Sulfate Soil Areas in Narathiwat Province	F/S	(Agriculture in) General	Implementing
1027	Asia	Thailand	THA/A 402/93	Bang Pakong Diversion Dam Project	D/D	(Agriculture in) General	Partially Completed
1029	Asia	Thailand	THA/S 110/94	Management of Groundwater and Land Subsidence in the Bangkok Metropolitan Area and its Vicinity	M/P	Water Resources Development	In Progress or In Use
1031	Asia	Thailand	THA/S 216/94	Modernization of Bangkok Port in the Kingdom of Thailand	M/P+F/S	Port	Partially Completed
1033	Asia	Thailand	THA/S 325/94	Inter-City Toll Motorway Project	F/S	Road	Processing
1035	Asia	Thailand	THA/S 606/94	Inspection and Maintenance System for the Expressway	Other Studies	Road	In Progress or In Use
1037	Asia	Thailand	THA/A 207/95	The Study on the Agricultural Land Rehabilitation and Conservation Project	M/P+F/S	(Agriculture in) General	Implementing
1039	Asia	Thailand	THA/S 217/95	Improvement Plan for Railway Transport around Bangkok Metropolis in Consideration of Urban Development	M/P+F/S	Urban Transportation	Partially Completed
1041	Asia	Thailand	THA/S 326/95	Road Disaster Prevention Plan	F/S	Road	Partially Completed
1043	Asia	Thailand	THA/A 102/96	Integrated Agriculture and Water Resources Development Project of Huai Mon Nam Suai and Huai Luang River Basin	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
1045	Asia	Thailand	THA/S 110/96	Urban Environmental Improvement Program in Bangkok Metropolitan Area	M/P	Environmental Problems	In Progress or In Use
1047	Asia	Thailand	THA/S 109/97	The Western Seaboard Regional Development	M/P	(Development Plan in) General	In Progress or In Use
1049	Asia	Thailand	THA/A 314/97	Fishery Complex on Andaman Sea Coast	F/S	Fishery	Promoting
1051	Asia	Thailand	THA/A 222/98	Integrated Agriculture Development in the Agricultural Land Reform Areas in the Upper Northeastern Region	M/P+F/S	(Agriculture in) General	Implementing
1053	Asia	Thailand	THA/S 103/99	The Study on Airport Development Master Plan in the Kingdom of Thailand	M/P	Air Transportation & Airport	In Progress or In Use
1055	Asia	Thailand	THA/S 104/99	Master Plan on Sewage Sludge Treatment/Disposal and Reclaimed Wastewater Reuse in Bangkok	M/P	Urban Sanitation	In Progress or In Use
1057	Asia	Thailand	THA/S 209/99	The Study on Integrated Plan for Flood Mitigation in Chao Phraya River Basin	M/P+F/S	River & Erosion Control	Promoting
1059	Asia	Thailand	THA/S 306/99	The Study on the Kok-Ing-Nan Water Diversion Project	F/S	Water Resources Development	Promoting
1061	Asia	Thailand	THA/S 206/01	The Master Plan Study for the Coastal Channels and Ports Development	M/P+F/S	Port	Partially Completed
1063	Asia	Thailand	THA/S 207/01	The Study for Urban Redevelopment Plan and Case Study in the Bangkok Metropolitan Area	M/P+F/S	Urban Planning & Land Development	Promoting
1065	Asia	Thailand	THA/A 101/02	The Development Study on Human Resources Training/Development in the context of Economy in the Rural Areas in the Kingdom of Thailand	M/P	(Agriculture in) General	In Progress or In Use
1067	Asia	Thailand	THA/A 102/02	The Study on East Asia/ASEAN Rice Reserve System	M/P	(Agriculture in) General	In Progress or In Use
1069	Asia	Thailand	THA/S 115/02	The Study on Improvemnt of Road Traffic Environment	M/P	Urban Transportation	In Progress or In Use
1071	Asia	Thailand	THA/S 116/02	Study on the Acid Deposition Control Strategy in the Kingdom of Thailand	M/P	Environmental Problems	In Progress or In Use
1073	Asia	Thailand	THA/S 117/02	Study on Development for Securing System of Building Safety	M/P	(Social Infrastructure in) General	In Progress or In Use
1075	Asia	Viet Nam	VNM/S 101/94	Transport Development in the Northern Part of Viet Nam	M/P	(Transportation in) General	In Progress or In Use
1077	Asia	Viet Nam	VNM/S 201/94	Urban Drainage and Wastewater Disposal System in Hanoi City	M/P+F/S	River & Erosion Control	Implementing
1079	Asia	Viet Nam	VNM/A 202/94	Improvement Project of Drainage System in South Bac Duong Agricultural Area	M/P+F/S	Irrigation, Drainage & Reclamation	Partially Completed
1081	Asia	Viet Nam	VNM/S 301/94	Cai Lan Port Construction Project	F/S	Port	Implementing
1083	Asia	Viet Nam	VNM/S 202/95	Upgrading the Hanoi-Ho Chi Minh Railway Line to Speed Up the Passenger Express Trains to Average Speed of 70km/h in the Year of 2000	M/P+F/S	Railway	Partially Completed
1085	Asia	Viet Nam	VNM/S 302/95	Highway No.18 Improvement	F/S	Road	Partially Completed
1087	Asia	Viet Nam	VNM/S 111/96	Coastal Shipping Rehabilitation and Development Project	M/P	Marine Transportation & Ships	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1089	Asia	Viet Nam	VNM/S 112/96	Dong Nai and Surrounding Basins Water Resources Development	M/P	Water Resources Development	In Progress or In Use
1091	Asia	Viet Nam	VNM/S 211/96	Urban Transportation for Hanoi City	M/P+F/S	Urban Transportation	Implementing
1093	Asia	Viet Nam	VNM/S 309/96	New Development Plan of Hanoi International Airport	F/S	Air Transportation & Airport	Implementing
1095	Asia	Viet Nam	VNM/S 103/97	Economic Development Policy in terms of Transition toward Market Oriented Economy	M/P	(Development Plan in) General	In Progress or In Use
1097	Asia	Viet Nam	VNM/S 209/97	Water Supply Development for Hanoi City	M/P+F/S	Water Supply	Promoting
1099	Asia	Viet Nam	VNM/A 219/97	Model Rural Development in Nam Dam District, Nghe An Province	M/P+F/S	(Agriculture in) General	Implementing
1101	Asia	Viet Nam	VNM/A 503/97	The Marine Resources Survey	Basic Study	Fishery	In Progress or In Use
1103	Asia	Viet Nam	VNM/S 121/98	Hoa Lac Xuan Mai Areas Urban Development Project	M/P	(Development Plan in) General	In Progress or In Use
1105	Asia	Viet Nam	VNM/S 208/98	Port Development Plan in the Central Region of the Key Area	M/P+F/S	Port	Implementing
1107	Asia	Viet Nam	VNM/S 303/98	Thanh Tri Bridge and the Southern Section of Ring Road No.3 in Hanoi	F/S	Road	Implementing
1109	Asia	Viet Nam	VNM/S 304/98	Can Tho Bridge Construction	F/S	Road	Processing
1111	Asia	Viet Nam	VNM/S 105/99	The Study on Environmental Management for Ha Long Bay	M/P	Environmental Problems	In Progress or In Use
1113	Asia	Viet Nam	VNM/S 106/99	Study on Telecommunication Development	M/P	Telecommunication	In Progress or In Use
1115	Asia	Viet Nam	VNM/S 210/99	The Study on Urban Drainage and Sewerage System in Ho Chi Minh City	M/P+F/S	Urban Sanitation	Processing
1117	Asia	Viet Nam	VNM/S 211/99	Study on Groundwater Development in the Northern Part	M/P+F/S	Water Resources Development	Implementing
1119	Asia	Viet Nam	VNM/S 107/00	The Study on the National Transport Development Strategy in Vietnam	M/P	(Transportation in) General	In Progress or In Use
1121	Asia	Viet Nam	VNM/S 118/00	Study on Environmental Improvement at Hanoi City in the Social Republic of Viet Nam	M/P	Environmental Problems	In Progress or In Use
1123	Asia	Viet Nam	VNM/A 203/00	The Study on Integrated Agricultural Development Plan in the Dong Thap Muoi Area	M/P+F/S	(Agriculture in) General	Promoting
1125	Asia	Viet Nam	VNM/S 404/00	The Detailed Design of the Red River Bridge (Thanh Tri Bridge) Construction Project in the Socialist Republic of Viet Nam	D/D	Road	Implementing
1127	Asia	Viet Nam	VNM/S 405/00	The Detailed Design of the Can Tho Bridge Construction Project in the Socialist Republic of Viet Nam	D/D	Road	Processing
1129	Asia	Viet Nam	VNM/S 208/01	Study on Sanitation Improvement Plan for Haiphong City	M/P+F/S	Urban Sanitation	Implementing
1131	Asia	Viet Nam	VNM/S 209/01	The Study on Tourism Development in the Central of Social Republic of Vietnam(Preparatory Study)	M/P+F/S	(Tourism in) General	Implementing
1133	Asia	Viet Nam	VNM/S 401/01	The Detail Design Study on Ho Chi Ming City Water Environment Improvement Project	D/D	Sewerage	Processing
1135	Asia	Viet Nam	VNM/A 202/02	The Feasibility Study on Forest Management Plan in Central Highland in Viet Nam	M/P+F/S	Forestry & Forest Conservation	Implementing
1137	Asia	Viet Nam	VNM/S 210/02	Port System Development Study in Southern Part of Vietnam	M/P+F/S	Port	Processing
1139	Asia	Viet Nam	VNM/S 211/02	Feasibility Study on Red River Navigation Improvement, the Segment through Hanoi	M/P+F/S	Marine Transportation & Ship	Promoting
1141	Asia	Viet Nam	VNM/S 212/02	Study on Groundwater Development in the Rural Provinces of the Central Highlands in the Socialist Republic of Viet Nam	M/P+F/S	Disaster Relief	Promoting
1143	Asia	Viet Nam	VNM/S 101/03	The Study on Nationwide Water Resources Management in the Socialist Republic of Vietnam	M/P	Water Resources Development	In Progress or In Use
1145	Asia	Viet Nam	VNM/S 601/03	Support Program on Primary Education Development in the Socialist Republic of Vietnam	Other Studies	Education	In Progress or In Use
1147	Asia	Viet Nam	VNM/S 201/04	The Study on Urban Transport Master Plan and Feasibility Study in HCMi Metropolitan Area in the Socialist Republic of Vietnam (HOUTRANS)	M/P+F/S	Urban Transportation	Promoting
1149	Asia	China	CHN/S 601/79	Port Construction	Other Studies	Port	In Progress or In Use
1151	Asia	China	CHN/S 602/81	Railway Modernization Project	Other Studies	Railway	In Progress or In Use
1153	Asia	China	CHN/S 301/84	Improvement Project of Chimwangtao, Lieyunkang and Tsingtao Ports	F/S	Port	Completed
1155	Asia	China	CHN/A 301/84	Sanko Heigen Ryutokyo Model Area Agricultural Development Project	F/S	(Agriculture in) General	Processing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1157	Asia	China	CHN/S 302/84	Double Tracking and Electrification Project of Railways between Hengyang and Kwangchow, and Electrification Project of Railways between Chengchow and Paoki	F/S	Railway	Completed
1159	Asia	China	CHN/A 302/84	Basic Plan on the Sanjiang Plain Agricultural Experiment Station	F/S	(Agriculture in) General	Completed
1161	Asia	China	CHN/S 303/84	Tianjin, Shanghai and Guangzhou Telecommunication Expansion Project	F/S	Telecommunication	Completed
1163	Asia	China	CHN/S 304/86	Port Development Project in Dapeng Bay	F/S	Port	Completed
1165	Asia	China	CHN/S 305/86	Subway Project of Shanghai	F/S	Railway	Completed
1167	Asia	China	CHN/S 101/87	Shanghai Air Pollution Control	M/P	Environmental Problems	In Progress or In Use
1169	Asia	China	CHN/S 306/87	Shanghai-Nanjing Expressway Construction Project	F/S	Road	Completed
1171	Asia	China	CHN/S 307/87	Kouhokou River Bridge Construction Project	F/S	Road	Completed
1173	Asia	China	CHN/S 308/87	Hokkou Hiraikyo Multipurpose Dam Construction Project	F/S	Water Resources Development	Delayed or Suspended
1175	Asia	China	CHN/S 501/87	Groundwater Development Project in Tianjin City	Basic Study	Water Resources Development	Discontinued or Cancelled
1177	Asia	China	CHN/S 102/88	Hainan Island Integrated Development	M/P	Integrated Regional Development Plan	In Progress or In Use
1179	Asia	China	CHN/S 201B/88	Dalian Port Development Project	M/P+F/S	Port	Implementing
1181	Asia	China	CHN/A 201B/88	Lujingxiang Model Stock-Farming Project in Gansu Province	M/P+F/S	Animal Husbandry	Promoting
1183	Asia	China	CHN/A 303/88	Irrigation Development Project in Northern Hubei	F/S	(Agriculture in) General	Completed
1185	Asia	China	CHN/S 309/88	Guanyinye Reservoir Project	F/S	Water Resources Development	Completed
1187	Asia	China	CHN/S 310/88	Beijing Airport International Terminal Area Development	F/S	Air Transportation & Airport	Partially Completed
1189	Asia	China	CHN/A 304/89	Integrated Agricultural Infrastructure Development in Dong Ting Lake Area in Hunan Province	F/S	(Agriculture in) General	Completed
1191	Asia	China	CHN/S 311/89	Construction Projects of the Three Ports	F/S	Port	Implementing
1193	Asia	China	CHN/S 312/89	Construction Project of Wuhan/ Tanhe Civil Airport	F/S	Air Transportation & Airport	Completed
1195	Asia	China	CHN/S 202B/90	Municipal Solid Waste Treatment Plan in Xian City	M/P+F/S	Urban Sanitation	Partially Completed
1197	Asia	China	CHN/A 305/90	Agricultural Water-use Development Project on Haizi Dam Area in Beijing City	F/S	(Agriculture in) General	Partially Completed
1199	Asia	China	CHN/S 313/90	Rapid Railway Construction Project in Tianjin	F/S	Railway	Promoting
1201	Asia	China	CHN/S 502/90	Groundwater Development Project in Urumuqi	Basic Study	Water Resources Development	In Progress or In Use
1203	Asia	China	CHN/A 306/91	Improvement of Agricultural Land Reclamation Dike and Agriculture Development Project, Qinzhou Region, Guangxi Zhuang Autonomous Region	F/S	(Agriculture in) General	Delayed or Suspended
1205	Asia	China	CHN/S 314/91	Telephone Network Automatization Plan in Dehui County, Jilin Province	F/S	Telecommunication	Implementing
1207	Asia	China	CHN/A 202B/92	The Integrated Agricultural and Animal Husbandry Development Project in Xiangxi Nanzhi Shanno Area	M/P+F/S	(Agriculture in) General	Promoting
1209	Asia	China	CHN/A 203B/92	Liao Ho Delta Agricultural Resources Integrated Development Project in the Liaoning Sheng	M/P+F/S	(Agriculture in) General	Partially Completed
1211	Asia	China	CHN/S 315/92	Flood Forecasting and Warning System in the Middle and Lower Reaches in the Chang Siang	F/S	River & Erosion Control	Promoting
1213	Asia	China	CHN/S 316/92	Jilin Fengman Dam Rehabilitation Project	F/S	Water Resources Development	Partially Completed
1215	Asia	China	CHN/S 101/93	Water Quality Protection for Poyan Lake in China	M/P	Environmental Problems	In Progress or In Use
1217	Asia	China	CHN/S 102/93	Integrated Regional Development Planning Study on Jiujiang City, Jiangxi Province	M/P	Integrated Regional Development Plan	In Progress or In Use
1219	Asia	China	CHN/S 202/93	Waiqaochao District in Pudong New Economic Zone in Shanghai	M/P+F/S	Urban Planning & Land Development	Partially Completed
1221	Asia	China	CHN/S 301/93	Rapid Guided Transport System Planning in Chongqing	F/S	Railway	Processing
1223	Asia	China	CHN/A 309/93	Facilities Improvement Project in Second Irrigation Section in Qianguo Area in Jilin Province	F/S	(Agriculture in) General	Promoting

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1225	Asia	China	CHN/S 203/94	Primary Road Network Development Study in Zhe-jiang Province	M/P+F/S	Road	Processing
1227	Asia	China	CHN/A 204/94	Integrated Agriculture Development Project in Heilongjiang	M/P+F/S	(Agriculture in) General	Implementing
1229	Asia	China	CHN/A 310/94	Improvement Project of Drainage System in Qixing-Polder, Shunde City, Guangdong Province	F/S	Irrigation, Drainage & Reclamation	Partially Completed
1231	Asia	China	CHN/S 317/94	West-bound Trunk Road Construction Project in Municipality of Xiamen	F/S	Road	Completed
1233	Asia	China	CHN/S 103/95	Total Air Quality Management Study for Linzhou City and Acid Deposition Monitoring Study for Wide Area	M/P	Environmental Problems	In Progress or In Use
1235	Asia	China	CHN/S 204/95	Shanghai Pudong International Airport Basic Planning Study	M/P+F/S	Air Transportation & Airport	Partially Completed
1237	Asia	China	CHN/S 205/95	Comprehensive Transportation System in Dalian City	M/P+F/S	Urban Transportation	Completed
1239	Asia	China	CHN/S 101/97	Integrated Management Master Plan for the Water Environment of Li-Jiang River	M/P	Environmental Problems	In Progress or In Use
1241	Asia	China	CHN/S 202/97	Integrated Management Master Plan for the Water Environment of Min River in Chengdu District	M/P+F/S	Environmental Problems	Implementing
1243	Asia	China	CHN/S 401/97	Detailed Design Study on Shanghai Pu-dong International Airport	D/D	Air Transportation & Airport	Partially Completed
1245	Asia	China	CHN/A 601/97	The Hydraulic Model Test for Baishi Dam in Liaoning Province	Other Studies	Irrigation, Drainage & Reclamation	In Progress or In Use
1247	Asia	China	CHN/S 101/98	Eutrophication Control of Tai Lake	M/P	Environmental Problems	In Progress or In Use
1249	Asia	China	CHN/S 112/98	Jilin Province Integrated Regional Development Plan in China	M/P	Integrated Regional Development Plan	In Progress or In Use
1251	Asia	China	CHN/A 116/98	Ansai Mountain Area Integrated Agricultural Development Project in Shanxi	M/P	(Agriculture in) General	In Progress or In Use
1253	Asia	China	CHN/S 302/98	Groundwater Development in Tuoketuo County, Inner Mongolia	F/S	Water Resources Development	Promoting
1255	Asia	China	CHN/S 101/99	Environmental Management Plan for the Environmental Model Zone in Dailian Municipality	M/P	Environmental Problems	In Progress or In Use
1257	Asia	China	CHN/S 201/99	Study on Integrated Countermeasure Plan for the Environment of Maotiao River Basin (Lake Hongfeng and Lake Baihua) in Guizhou Province	M/P+F/S	Environmental Problems	Implementing
1259	Asia	China	CHN/A 223/99	Taihang Shan Integrated Agricultural Development Project in Hebei Province	M/P+F/S	(Agriculture in) General	Implementing
1261	Asia	China	CHN/S 302/99	Study for Road Network Development Plan in Changsha City	F/S	Road	Completed
1263	Asia	China	CHN/A 304/00	The Study on Yellow River Basin Agriculture and Fisheries Development	F/S	Fishery	Completed
1265	Asia	China	CHN/S 112/01	The Study on Improvement of Marine Environmental Monitoring System for the Pearl River Estuary	M/P	Environmental Problems	In Progress or In Use
1267	Asia	China	CHN/S 113/01	The Study for Improving the Housing Finance Reform	M/P	(Development Plan in) General	In Progress or In Use
1269	Asia	China	CHN/S 114/01	The Study on Urbanization of Rural Districts (Haichen City)	M/P	Integrated Regional Development Plan	In Progress or In Use
1271	Asia	China	CHN/S 210/01	Study for Public Transportation Improvement in Chengdu city	M/P+F/S	Urban Transportation	Implementing
1273	Asia	China	CHN/A 103/02	The Study on Reforestation in Anning Watershed in Sichuan Province	M/P	Forestry & Forest Conservation	In Progress or In Use
1275	Asia	China	CHN/S 101/04	Study on the Master Plan for Air Pollution Control in Guiyang Municipality	M/P	Environmental Problems	In Progress or In Use
1277	Asia	Korea	KOR/S 301/77	Rapid Transit Line No.2 Construction Project in Seoul	F/S	Railway	Completed
1279	Asia	Korea	KOR/A 301/78	Southwest Coast Agricultural Land Reclamation Project	F/S	(Agriculture in) General	Completed
1281	Asia	Korea	KOR/S 101/79	Long-Term Multipurpose Dam Schemes	M/P	Water Resources Development	In Progress or In Use
1283	Asia	Korea	KOR/S 201B/85	Seoul Municipal Solid Waste Management System	M/P+F/S	Urban Sanitation	Completed
1285	Asia	Korea	KOR/S 102/91	Study on River Environment for the Tributaries of Han River System	M/P	River & Erosion Control	In Progress or In Use
1287	Asia	Mongolia	MNG/S 301/92	Improvement Plan for Transshipment Facilities at Zamin-Uud Station	F/S	Railway	Completed
1289	Asia	Mongolia	MNG/A 101/95	Integrated Agricultural and Rural Development in Central Region	M/P	(Agriculture in) General	In Progress or In Use
1291	Asia	Mongolia	MNG/S 201/95	Water Supply System in Ulaanbaatar and Surroundings	M/P+F/S	Water Supply	Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1293	Asia	Mongolia	MNG/S 204/96	Telecommunications Network in Ulaanbaatar City	M/P+F/S	Telecommunication	Completed
1295	Asia	Mongolia	MNG/S 502/96	Topographic Mapping of Ulaan-Tsav Area	Basic Study	Survey & Mapping	In Progress or In Use
1297	Asia	Mongolia	MNG/A 110/97	Strengthening of Agricultural Cooperatives	M/P	(Agriculture in) General	In Progress or In Use
1299	Asia	Mongolia	MNG/S 207/97	Rehabilitation Project of the Mongolian Railway	M/P+F/S	Railway	Partially Completed
1301	Asia	Mongolia	MNG/A 502/97	Forest Resources Management Study in Selenge	Basic Study	Forestry & Forest Conservation	In Progress or In Use
1303	Asia	Mongolia	MNG/S 211/98	Study on Groundwater Development for Altai City	M/P+F/S	Water Resources Development	Implementing
1305	Asia	Mongolia	MNG/S 102/99	The Study on the Support for the Economic Transition and Development in Mongolia	M/P	(Development Plan in) General	Delayed
1307	Asia	Mongolia	MNG/S 204/99	Improvement and Rehabilitation of Urban Road Network in Uraanbaatar	M/P+F/S	Road	Partially Completed
1309	Asia	Mongolia	MNG/S 205/99	The Master Plan Study on the National Tourism Development	M/P+F/S	(Tourism in) General	Promoting
1311	Asia	Mongolia	MNG/S 115/00	The Study on Postal Service Improvement Plan in Mongolia	M/P	Post	In Progress or In Use
1313	Asia	Mongolia	MNG/S 213/02	The Study on Economic Transition and Development Support in Mongolia (Tax Collection Enhancement 2)	M/P+F/S	(Administration in) General	Implementing
1315	Asia	Mongolia	MNG/S 214/02	Master Plan Study for Development of Rural Telecommunication System in Mongolia	M/P+F/S	Telecommunication	Promoting
1317	Asia	Mongolia	MNG/S 307/02	Feasibility Study on Construction of Eastern Arterial Road in Mongolia	F/S	Road	Promoting
1319	Asia	Bagladesh	BGD/S 401/77	Television Studio Construction Project	D/D	Broadcasting	Completed
1321	Asia	Bagladesh	BGD/A 301/79	Narayanganj-Narsingdi Irrigation Project	F/S	(Agriculture in) General	Partially Completed
1323	Asia	Bagladesh	BGD/S 301/84	Meghna-Gumti Bridges Construction Project	F/S	Road	Completed
1325	Asia	Bagladesh	BGD/S 302/85	Establishment of Railway Carriage and Wagon Manufacturing Plant	F/S	Railway	Discontinued or Cancelled
1327	Asia	Bagladesh	BGD/S 201B/87	Development Project of Dhaka and Narayanganj Ports	M/P+F/S	Port	Promoting
1329	Asia	Bagladesh	BGD/S 303/87	Water Drainage System Improvement Project in Dhaka City	F/S	River & Erosion Control	Completed
1331	Asia	Bagladesh	BGD/A 302/88	North Rajshahi Irrigation Project	F/S	(Agriculture in) General	Delayed or Suspended
1333	Asia	Bagladesh	BGD/A 101/89	Model Rural Development Project for Homna and Dandkandi Upazila Comilla District	M/P	(Agriculture in) General	In Progress or In Use
1335	Asia	Bagladesh	BGD/S 304/89	Development of Chittagong Airport	F/S	Air Transportation & Airport	Completed
1337	Asia	Bagladesh	BGD/S 305/89	Optimization of Capacity Utilization and Improvement of Performance of Chittagong Dry Dock	F/S	Marine Transportation & Ship	Delayed or Suspended
1339	Asia	Bagladesh	BGD/S 306/89	Storm Water Drainage System Improvement Project in Dhaka City (Updating Study)	F/S	River & Erosion Control	Partially Completed
1341	Asia	Bagladesh	BGD/A 303/90	Kurigram Irrigation and Flood Control Project: North Unit	F/S	(Agriculture in) General	Implementing
1343	Asia	Bagladesh	BGD/S 307/90	Development Project of Container Terminal at Dhaka-Narayanganj Port	F/S	Port	Promoting
1345	Asia	Bagladesh	BGD/A 102/91	The Model Rural Development Project Phase II for Kachua, Nabinagar, Bancharampur and Debidwar Upazilas	M/P	(Agriculture in) General	In Progress or In Use
1347	Asia	Bagladesh	BGD/S 202B/92	Greater Dhaka Protection Project (FAP8A)	M/P+F/S	River & Erosion Control	Processing
1349	Asia	Bagladesh	BGD/S 203B/92	River & Erosion Control/ Drainage Improvement in North West Region	M/P+F/S	River & Erosion Control	Promoting
1351	Asia	Bagladesh	BGD/A 304/92	Kurigram Irrigation and Flood Control Project: South Unit	F/S	Irrigation, Drainage & Reclamation	Implementing
1353	Asia	Bagladesh	BGD/S 501/94	Geodetic Survey in the People's Republic of Bangladesh	Basic Study	Survey & Mapping	In Progress or In Use
1355	Asia	Bagladesh	BGD/S 201/98	Development of Sewerage System in North Dhaka	M/P+F/S	Sewerage	Promoting
1357	Asia	Bagladesh	BGD/S 301/99	The Study on Construction of the Bridge over the River Rupsa in Khulna (Phase II)	F/S	Road	Partially Completed
1359	Asia	Bagladesh	BGD/S 301/00	The Feasibility Study on the Extension and Expansion of Mohara Water Treatment Plant in the People's Republic of Bangladesh	F/S	Water Supply	Processing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1361	Asia	Bagladesh	BGD/S 215/02	The Study on Ground Water Development of Deep Aquifers for Safe Drinking Water Supply to Arsenic Affected Areas in Western Bangladesh	M/P+F/S	Water Resources Development	Processing
1363	Asia	Bagladesh	BGD/S 216/02	The Study Rural Development Focusing on Flood Proofing in the People's Republic of Bangladesh	M/P+F/S	Disaster Relief	Implementing
1365	Asia	Bagladesh	BGD/S 301/03	Feasibility Study for Up-gradation and Expansion of Data Communication / Transmission Network of Flood Forecasting and Warning Service	F/S	River & Erosion Control	Promoting
1367	Asia	Bagladesh	BGD/S 301/04	Feasibility Study of Padma Bridge in the People's Republic of Bangladesh	F/S	Road	Promoting
1369	Asia	Bagladesh	BGD/S 501/04	The Study on Urban Information Management for Greater Dhaka City	Basic Study	Survey & Mapping	In Progress or In Use
1371	Asia	Bhutan	BTN/A 301/88	Luntch-Mongar Integrated Agricultural Development Project	F/S	(Agriculture in) General	Promoting
1373	Asia	Bhutan	BTN/S 301/95	Groundwater Development Project in Wangduephodrang District	F/S	Water Resources Development	Delayed or Suspended
1375	Asia	Bhutan	BTN/S 301/98	National Highway Bridge Construction	F/S	Road	Completed
1377	Asia	Bhutan	BTN/A 104/02	The Study on Agriculture and Farm Road Development in the Lhuntse and Mongar District	M/P	(Agriculture in) General	In Progress or In Use
1379	Asia	India	IND/S 301/87	Railway Improvement Plan of Transport Capacity and Train Speed on the Delhi-Kampur Section	F/S	Railway	Implementing
1381	Asia	India	IND/S 302/87	Modernization of Rolling Stock Workshop	F/S	Railway	Discontinued or Cancelled
1383	Asia	India	IND/S 201B/89	Development of Calcutta and Haldia Dock Systems of Calcutta Port Trust	M/P+F/S	Port	Completed
1385	Asia	India	IND/S 303/89	Development Plan for the New Delhi Railway Station	F/S	Railway	Partially Completed
1387	Asia	India	IND/S 304/90	Plan for Improvement of New Mangalore Port	F/S	Port	Implementing
1389	Asia	India	IND/A 301/91	Irrigation and Drainage Development of Sharda Canal CAD Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1391	Asia	India	IND/S 305/92	Transport Infrastructure Development Project in Calcutta	F/S	Urban Transportation	Implementing
1393	Asia	India	IND/S 203/97	Development of the Port of Mumbai	M/P+F/S	Port	Processing
1395	Asia	India	IND/A 308/97	Rehabilitation of Minor Irrigation Tanks for Rural Development in Tamil Nadu	F/S	(Agriculture in) General	Promoting
1397	Asia	India	IND/S 202/98	National Highway Bypasses	M/P+F/S	Road	Discontinued or Cancelled
1399	Asia	India	IND/S 303/99	Feasibility Study on the Construction of Expressway in the National Capital Region	F/S	Road	Promoting
1401	Asia	India	IND/S 115/01	The Development Study on Reproductive Health in the State of Madhya Pradesh	M/P	Public Health and Medicine	In Progress or In Use
1403	Asia	India	IND/S 118/02	The Reconstruction Support for the Gujarat-Earthquake Disaster in Devasted Area in India	M/P	(Social Infrastructure in) General	In Progress or In Use
1405	Asia	Maldives	MDV/S 201B/92	Seawall Construction Project for Male Island	M/P+F/S	River & Erosion Control	Completed
1407	Asia	Maldives	MDV/S 221/99	The Study on Solid Waste Management for Male' City	M/P+F/S	Urban Sanitation	Promoting
1409	Asia	Nepal	NPL/S 301/83	Rural Telecommunications Network Project	F/S	Telecommunication	Partially Completed
1411	Asia	Nepal	NPL/S 101/84	Kosi River Water Resources Development	M/P	Water Resources Development	In Progress or In Use
1413	Asia	Nepal	NPL/S 201B/87	Development Plan of Television Network	M/P+F/S	Broadcasting	Partially Completed
1415	Asia	Nepal	NPL/S 302/88	Sindhuli Road Construction Project	F/S	Road	Completed
1417	Asia	Nepal	NPL/A 101/89	Integrated Rural Development Project in the Lumbini Zone	M/P	(Agriculture in) General	In Progress or In Use
1419	Asia	Nepal	NPL/S 202B/89	Development of Civil Aviation	M/P+F/S	Air Transportation & Airport	Partially Completed
1421	Asia	Nepal	NPL/S 501/90	Groundwater Management Project in the Kathmandu Valley	Basic Study	Water Resources Development	In Progress or In Use
1423	Asia	Nepal	NPL/S 203B/92	Kathmandu Valley Urban Road Development	M/P+F/S	Air Transportation & Airport	Partially Completed
1425	Asia	Nepal	NPL/S 104/93	Water Resources Development of the Upper Karnali and Mahakali River	M/P	Water Resources Development	In Progress or In Use
1427	Asia	Nepal	NPL/S 105/93	National Hydro-Meteorological Data Management Project	M/P	River & Erosion Control	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1429	Asia	Nepal	NPL/S 302/93	Aftercare Study for Sindhuli Road Construction Project	F/S	Road	Completed
1431	Asia	Nepal	NPL/A 308/93	Rajkudwa Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1433	Asia	Nepal	NPL/S 501/93	Topographic Mapping of Lumbini Zone	Basic Study	Survey & Mapping	In Progress or In Use
1435	Asia	Nepal	NPL/A 106/94	Terai Groundwater Resources Evaluation and Development Project	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
1437	Asia	Nepal	NPL/A 201/94	Rehabilitation of Government Development Irrigation Schemes in the Kathmandu Valley	M/P+F/S	(Agriculture in) General	Partially Completed
1439	Asia	Nepal	NPL/S 204/94	Tribhuvan International Airport Modernization Plan in Nepal	M/P+F/S	Air Transportation & Airport	Partially Completed
1441	Asia	Nepal	NPL/S 315/96	Disaster Prevention Plan for Severely Affected Districts by 1993 Disaster in the Middle and South Area	F/S	River & Erosion Control	Partially Completed
1443	Asia	Nepal	NPL/A 111/97	Integrated Watershed Management in the Western Hills	M/P	Forestry & Forest Conservation	In Progress or In Use
1445	Asia	Nepal	NPL/A 311/97	Trishuli Irrigation Project	F/S	(Agriculture in) General	Promoting
1447	Asia	Nepal	NPL/S 206 /99	The Study on Flood Mitigation Plan for Selected Rivers in the Terai Plain	M/P+F/S	River & Erosion Control	Promoting
1449	Asia	Nepal	NPL/S 303/00	Feasibility Study on the Construction of Kathmandu-Naubise Road Link in the Kingdom of Nepal	F/S	Road	Promoting
1451	Asia	Nepal	NPL/A 116/01	The Study on the Agricultural Marketing Development Project	M/P	(Agriculture in) General	In Progress or In Use
1453	Asia	Nepal	NPL/S 117/01	The Study for Earthquake Disaster Impact and Improvement of Emergency Responce Capabilities in the Kathmandu Valley	M/P	Meteorology & Seismology	Delayed
1455	Asia	Nepal	NPL/A 301/02	The Feasibility Study on the Sunsari River Irrigation Project	F/S	(Agriculture in) General	Promoting
1457	Asia	Pakistan	PAK/S 601/75	Port Muhammad-Bin-Quasim Project (Follow-Up)	Other Studies	Port	In Progress or In Use
1459	Asia	Pakistan	PAK/S 201B/79	Shipping & Shipbuilding Development	M/P+F/S	Marine Transportation & Shipping	Completed
1461	Asia	Pakistan	PAK/S 301/80	Construction Project of a Mini-Port in Gwadar	F/S	Port	Partially Completed
1463	Asia	Pakistan	PAK/S 202B/81	Introduction of Containerization	M/P+F/S	Port	Partially Completed
1465	Asia	Pakistan	PAK/A 301/82	Agricultural Development Project with Widening of Pat Feeder Canal	F/S	Irrigation, Drainage & Reclamation	Completed
1467	Asia	Pakistan	PAK/S 101/83	National Transport Plan	M/P	(Transportation in) General	In Progress or In Use
1469	Asia	Pakistan	PAK/S 302/83	Pakistan Railways Locomotives Manufacturing Factory Project	F/S	Railway	Completed
1471	Asia	Pakistan	PAK/S 303/84	Conduction of Water from Khanpur to Islamabad/Rawalpindi	F/S	Water Supply	Implementing
1473	Asia	Pakistan	PAK/A 101/85	Integrated Rural Development Project	M/P	(Agriculture in) General	In Progress or In Use
1475	Asia	Pakistan	PAK/A 102/86	Paddy/Rice Handling and Processing Improvement Project	M/P	Agricultural Processing	In Progress or In Use
1477	Asia	Pakistan	PAK/A 302/86	Baluchistan Irrigation Development Project through Groundwater Development	F/S	(Agriculture in) General	Completed
1479	Asia	Pakistan	PAK/S 102/87	Water Resources Development Potential for the Metropolitan Area of Islamabad/Rawalpindi	M/P	Water Resources Development	In Progress or In Use
1481	Asia	Pakistan	PAK/S 103/87	National Transport Plan (Follow-Up)	M/P	(Transportation in) General	In Progress or In Use
1483	Asia	Pakistan	PAK/A 303/88	Upper Kurang River Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1485	Asia	Pakistan	PAK/A 201B/89	Swat District Integrated Rural Development Project	M/P+F/S	(Agriculture in) General	Implementing
1487	Asia	Pakistan	PAK/S 304/89	Establishment of the Second TV Channel for Education	F/S	Broadcasting	Completed
1489	Asia	Pakistan	PAK/A 304/90	Water Resources Development Project in Malir Basin	F/S	(Agriculture in) General	Promoting
1491	Asia	Pakistan	PAK/S 203B/91	Comprehensive Study on Transportation System in Lahore	M/P+F/S	Urban Transportation	Partially Completed
1493	Asia	Pakistan	PAK/A 305/92	Development of Irrigation Based on Flood Flows of D.G. Khan Hill Torrents	F/S	Irrigation, Drainage & Reclamation	Partially Completed
1495	Asia	Pakistan	PAK/S 104/94	National Transport Plan	M/P	Urban Transportation	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1497	Asia	Pakistan	PAK/A 306/94	Chashma Right Bank 1st Lift Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
1499	Asia	Pakistan	PAK/A 218/97	The Lining of Distributaries and Minors in Punjab	M/P+F/S	(Agriculture in) General	Delayed or Suspended
1501	Asia	Pakistan	PAK/A 312/97	Irrigation Water Resources Development with Delay Action Dams Project in Balochistan	F/S	(Agriculture in) General	Partially Completed
1503	Asia	Pakistan	PAK/A 310/98	Taunsa Barrage Irrigation System Rehabilitation	F/S	(Agriculture in) General	Promoting
1505	Asia	Pakistan	PAK/S 101/03	The Study on Comprehensive Flood Mitigation and Environmental improvement Plan of the Laila Nullah Basin in the Islamic Republic of Pakistan	F/S	River & Erosion Control	Processing
1507	Asia	Sri Lanka	LKA/A 301/77	Inginimitiya Reservoir Project	F/S	(Agriculture in) General	Completed
1509	Asia	Sri Lanka	LKA/S 301/77	Outside Colombo Area Telecommunication Development Scheme: Stage II Project	F/S	Telecommunication	Completed
1511	Asia	Sri Lanka	LKA/A 302/79	Moragahakanda Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1513	Asia	Sri Lanka	LKA/S 201B/80	Development Project of the Port of Colombo	M/P+F/S	Port	Completed
1515	Asia	Sri Lanka	LKA/S 601/80	Development Project of the Port of Colombo (Follow-Up)	Other Studies	Port	In Progress or In Use
1517	Asia	Sri Lanka	LKA/A 303/81	Mahaweli Ganga Agricultural Development: System C	F/S	(Agriculture in) General	Completed
1519	Asia	Sri Lanka	LKA/S 302/82	Water Supply Scheme for Amparai Group of Towns	F/S	Water Supply	Implementing
1521	Asia	Sri Lanka	LKA/S 602/82	Colombo Airport Development (Follow-Up)	Other Studies	Air Transportation & Airport	In Progress or In Use
1523	Asia	Sri Lanka	LKA/S 303/83	Colombo-Katunayake Expressway and New Port Access Road Project	F/S	Road	Delayed or Suspended
1525	Asia	Sri Lanka	LKA/S 304/83	Telecommunications Network Improvement Project in Greater Colombo	F/S	Telecommunication	Completed
1527	Asia	Sri Lanka	LKA/S 101/85	Master Plan for the Domestic Telecommunication Network	M/P	Telecommunication	In Progress or In Use
1529	Asia	Sri Lanka	LKA/A 304/85	Rehabilitation of Tank Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Completed
1531	Asia	Sri Lanka	LKA/A 101/87	Integrated Rural Development Project for Gampaha District	M/P	(Agriculture in) General	In Progress or In Use
1533	Asia	Sri Lanka	LKA/A 102/89	Sand Drift in the Southeastern Coast	M/P	Fishery	In Progress or In Use
1535	Asia	Sri Lanka	LKA/A 201B/89	Extension of the Moragahakanda Agricultural Development Project	M/P+F/S	(Agriculture in) General	Promoting
1537	Asia	Sri Lanka	LKA/S 202B/89	Development of the Port of Colombo	M/P+F/S	Port	Completed
1539	Asia	Sri Lanka	LKA/S 102/91	Development of the Port of Galle	M/P	Port	In Progress or In Use
1541	Asia	Sri Lanka	LKA/A 305/92	Walawe Irrigation Upgrading and Extension Project	F/S	(Agriculture in) General	Partially Completed
1543	Asia	Sri Lanka	LKA/A 103/94	Agricultural and Rural Development for Up-country Peasantry Rehabilitation Program	M/P	(Agriculture in) General	In Progress or In Use
1545	Asia	Sri Lanka	LKA/S 306/94	Kalu Ganga Water Supply Project for Greater Colombo	F/S	Water Supply	Implementing
1547	Asia	Sri Lanka	LKA/S 109/96	Nationalwide Bridge Development	M/P	Road	In Progress or In Use
1549	Asia	Sri Lanka	LKA/S 209/96	Domestic Telecommunication Network	M/P+F/S	Telecommunication	Partially Completed
1551	Asia	Sri Lanka	LKA/S 210/96	Development of the New Port of Colombo	M/P+F/S	Port	Promoting
1553	Asia	Sri Lanka	LKA/A 302/96	Rehabilitation of Irrigation and Drainage Systems in River Basins of Southern Sri Lanka	F/S	Irrigation, Drainage & Reclamation	Implementing
1555	Asia	Sri Lanka	LKA/S 206/98	Greater Kandy and Nuwara Eliya Water Supply and Environmental Improvement Plan	M/P+F/S	(Public Utilities in) General	Implementing
1557	Asia	Sri Lanka	LKA/S 305/99	The Feasibility Study on Outer Circular Highway to the City of Colombo	F/S	Road	Promoting
1559	Asia	Sri Lanka	LKA/A 204/00	The Study for potential of irrigated agriculture in the dry and intermediate zones of Sri Lanka	M/P+F/S	(Agriculture in) General	Delayed or Suspended
1561	Asia	Sri Lanka	LKA/S 304/00	Urgent Development of Port of Galle as a Regional Port	F/S	Port	Promoting
1563	Asia	Sri Lanka	LKA/S 406/00	Detailed Design Study on the Project for Reduction of Non-Revenue Water in the Greater Colombo area in the Democratic Socialist Republic of Sri Lanka	D/D	Water Supply	Processing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1565	Asia	Sri Lanka	LKA/S 407/00	The Detailed Design Study on Bandaranaike International Airport Development Project in Sri Lanka	D/D	Air Transportation & Airport	Implementing
1567	Asia	Sri Lanka	LKA/S 119/02	The Study on the Comprehensive Groundwater Resources Development for Hampantota and Monaragala Districts in Sri Lanka	M/P	Disaster Relief	In Progress or In Use
1569	Asia	Sri Lanka	LKA/S 217/02	The Study on Urban Drainage improvement Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	M/P+F/S	Disaster Relief	Processing
1571	Asia	Sri Lanka	LKA/S 402/02	The Detailed Design Study on Greater Kandy Water Supply Augmentation Project in the Democratic Social Republic of Sri Lanka	D/D	Water Supply	Implementing
1573	Asia	Sri Lanka	LKA/S 101/03	The Study on Improvement of Solid Waste Management in Secondary Cities of Sri Lanka	M/P	Urban Sanitation	In Progress or In Use
1575	Asia	Sri Lanka	LKA/S 102/03	Master Plan Study for Strengthening Health System in the Democratic Socialist Republic of Sri Lanka	M/P	Public Health and Medicine	In Progress or In Use
1577	Asia	Azerbaijan	AZE/S 116/00	Master Plan Study on Integrated Environmental Management in Baku city in Azerbaijan Republic	M/P	Environmental Problems	In Progress or In Use
1579	Asia	Azerbaijan	AZE/S 212/01	Urban Transportation Improvement in the City of Baku	M/P+F/S	Urban Transportation	Promoting
1581	Asia	Azerbaijan	AZE/S 505/02	National Digital Mapping Project in the Republic of Azerbaijan	Basic Study	Survey & Mapping	In Progress or In Use
1583	Asia	Kyrgyz	KYR/S 101/94	Improvement of Payment System	M/P	Public Finance & Banking	In Progress or In Use
1585	Asia	Kyrgyz	KYR/S 102/94	Development of Radio and TV Broadcasting	M/P	Broadcasting	In Progress or In Use
1587	Asia	Kazakhstan	KZK/S 221/96	Air Transportation Development	M/P+F/S	Air Transportation & Airport	Implementing
1589	Asia	Kazakhstan	KZK/S 222/96	Road Network in Western Kazakhstan	M/P+F/S	Road	Processing
1591	Asia	Kazakhstan	KZK/A 223/97	Kzyl-Orda Irrigation/Drainage and Water Management Improvement Project	M/P+F/S	(Agriculture in) General	Promoting
1593	Asia	Kazakhstan	KZK/S 219/99	The Study on Solid Waste Management for Almaty City	M/P+F/S	Urban Sanitation	Implementing
1595	Asia	Kazakhstan	KZK/S 501/99	The Urgent Establishment of National Basic Geographic Data in Southern Area of the Republic of Kazakhstan	Basic Study	Survey & Mapping	In Progress or In Use
1597	Asia	Kazakhstan	KZK/S 213/01	The Study on the Master Plan for the Development of the City of Astana	M/P+F/S	Urban Planning & Land Development	Promoting
1599	Asia	Kazakhstan	KZK/S 401/03	The Detailed design study of the project "Water Supply and Sewerage systems of Astana city"	D/D	Water Supply	Processing
1601	Asia	Uzbekistan	UZB/S 223/96	Water Supply Systems in Six Cities of the Aral Sea Region	M/P+F/S	Water Supply	Implementing
1603	Asia	Uzbekistan	UZB/S 305/97	Construction of Electric Locomotive Repair Workshop	F/S	Railway	Promoting
1605	Asia	Uzbekistan	UZB/S 110/98	Air Transportation Development	M/P	Air Transportation & Airport	In Progress or In Use
1607	Asia	Uzbekistan	UZB/S 117/99	The Study for Improvement of Management and Tariff Policy in the Water Supply Services	M/P	Public Finance & Banking	In Progress or In Use
1609	Asia	Uzbekistan	UZB/S 101/03	The study on the Restructuring of Health and Medical System in Republic of Uzbekistan	M/P	Public Health and Medicine	In Progress or In Use
1611	Asia	East Timor	ETM/S 305/00	The Study on Urgent Rehabilitation Plan in the East Timor	F/S	(Public Utilities in) General	Implementing
1613	Asia	East Timor	ETM/S 306/00	The Study on Urgent Improvement Project for Water Supply System in East Timor	F/S	Water Supply	Partially Completed
1615	Asia	East Timor	ETM/S 502/00	The Study on Urgent Establishment of Topographic Mapping in the East Timor	Basic Study	Survey & Mapping	In Progress or In Use
1617	Asia	East Timor	ETM/A 101/03	The Study on Integrated Agricultural Development of East Timor	M/P	(Agriculture in) General	In Progress or In Use
1619	Middle East	Afghanistan	AFG/S 601/03	The Urgent Rehabilitation Support Programme in Afghanistan "Rehabilitation planning in the south-western area and the public transportation system of the whole Kabul city"	Other Studies	(Social Infrastructure in) General	In Progress or In Use
1621	Middle East	Afghanistan	AFG/S 101/04	The Urgent Rehabilitation Support Programme in Afghanistan : Rehabilitation Planning in the South-Western Area and the Public Transportation System of the Whole Kabul City	M/P	(Social Infrastructure in) General	In Progress or In Use
1623	Middle East	Afghanistan	AFG/S 102/04	The Study on the Urgent Rehabilitation Program of Kandahar City in the Islamic State of Afghanistan	M/P	(Social Infrastructure in) General	In Progress or In Use
1625	Middle East	Afghanistan	AFG/A 103/04	The Study on Urgent Rehabilitation Support Program of Agriculture in Kandahar	M/P	(Social Infrastructure in) General	In Progress or In Use
1627	Middle East	United Arab Emirates	ARE/A 401/80	Mariculture Center	D/D	Fishery	Completed
1629	Middle East	United Arab Emirates	ARE/S 301/81	Wadi al Bassierah Basin Water Resources Development Project	F/S	Water Resources Development	Delayed or Suspended
1631	Middle East	United Arab Emirates	ARE/S 401/81	Al Bassierah Dam Project	D/D	Water Resources Development	Delayed or Suspended

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1633	Middle East	United Arab Emirates	ARE/A 103/96	Groundwater Resources for Agricultural Development around A1 Dhaid City	M/P	Irrigation, Drainage & Reclamation	Delayed
1635	Middle East	Algeria	DZA/A 301/85	Fetzara Lake Area Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1637	Middle East	Algeria	DZA/S 201B/92	Development of the Ports of Algiers, Oran and Annaba	M/P+F/S	(Transportation in) General	Delayed or Suspended
1639	Middle East	Egypt	EGY/S 301/75	Suez Canal Extension Project	F/S	Port	Completed
1641	Middle East	Egypt	EGY/S 302/76	Urban Water Supply Project in the Great Cairo	F/S	Water Supply	Completed
1643	Middle East	Egypt	EGY/S 101/79	High Dam Lake Area Integrated Regional Development Plan	M/P	Integrated Regional Development Plan	In Progress or In Use
1645	Middle East	Egypt	EGY/S 303/79	Cairo - Alexandria Line Electrification for Egyptian Railways	F/S	Railway	Discontinued or Cancelled
1647	Middle East	Egypt	EGY/S 304/80	Second Stage Development Project of the Suez Canal	F/S	Port	Discontinued or Cancelled
1649	Middle East	Egypt	EGY/S 102/81	Technical Cooperation Program to the Suez Canal Authority	M/P	Marine Transportation & Ships	In Progress or In Use
1651	Middle East	Egypt	EGY/A 301/81	South Hussinia Valley Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
1653	Middle East	Egypt	EGY/S 305/81	Alexandria PCM Microwave Network Construction Project	F/S	Telecommunication	Completed
1655	Middle East	Egypt	EGY/A 302/82	Tenth of Ramadan Agricultural Development Project	F/S	(Agriculture in) General	Completed
1657	Middle East	Egypt	EGY/S 306/82	Cairo - Aswan - Abu Simbel Microwave Network Construction Project	F/S	Telecommunication	Completed
1659	Middle East	Egypt	EGY/A 303/83	Cold Storage Chain Development Project	F/S	Livestock Processing	Discontinued or Cancelled
1661	Middle East	Egypt	EGY/A 304/84	North Hussinia Valley & South Port Said Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
1663	Middle East	Egypt	EGY/A 305/84	South Hussinia Valley Agricultural Development Project (Phase II)	F/S	(Agriculture in) General	Completed
1665	Middle East	Egypt	EGY/A 306/84	Fayoum Agricultural Development Project	F/S	(Agriculture in) General	Implementing
1667	Middle East	Egypt	EGY/S 307/84	El-Arish Sewerage and Drainage System in the North Sinai Province	F/S	Sewerage	Partially Completed
1669	Middle East	Egypt	EGY/S 308/84	Sharqiya Water Supply System	F/S	Water Supply	Partially Completed
1671	Middle East	Egypt	EGY/S 201B/85	Refuse Collection Treatment and Disposal in Alexandria	M/P+F/S	Urban Sanitation	Completed
1673	Middle East	Egypt	EGY/S 309/85	New Alexandria International Airport Construction Project	F/S	Air Transportation & Airport	Completed
1675	Middle East	Egypt	EGY/S 310/85	Safety Improvement of the Suez Canal	F/S	Marine Transportation & Ships	Partially Completed
1677	Middle East	Egypt	EGY/S 203B/86	Development Plan of Suez Canal Area	M/P+F/S	Integrated Regional Development Plan	Partially Completed
1679	Middle East	Egypt	EGY/S 311/86	New TV Center at 6th October City	F/S	Broadcasting	Partially Completed
1681	Middle East	Egypt	EGY/S 202B/88	Sharqiya Sewerage System	M/P+F/S	Sewerage	Implementing
1683	Middle East	Egypt	EGY/S 601/88	Development Plan of Suez Canal Area (Follow-Up)	Other Studies	Integrated Regional Development Plan	In Progress or In Use
1685	Middle East	Egypt	EGY/S 103/89	Greater Cairo Region Transportation Masterplan	M/P	Urban Transportation	In Progress or In Use
1687	Middle East	Egypt	EGY/A 201B/89	North Sinai Integrated Rural Development	M/P+F/S	(Agriculture in) General	Completed
1689	Middle East	Egypt	EGY/A 307/92	Rehabilitation and Improvement of Delivery Water System on Bahr Yusef Canal	F/S	Irrigation, Drainage & Reclamation	Partially Completed
1691	Middle East	Egypt	EGY/S 501/92	North Sinai Groundwater Resources	Basic Study	Water Resources Development	In Progress or In Use
1693	Middle East	Egypt	EGY/S 109/93	Transportation System and National Road Transportation Masterplan	M/P	Land Transportation	In Progress or In Use
1695	Middle East	Egypt	EGY/S 401/93	The Urgent Plan of the Suez Bay Coastal Area Development	D/D	Port	Partially Completed
1697	Middle East	Egypt	EGY/A 202/95	Farmland Environmental Improvement Project	M/P+F/S	(Agriculture in) General	Partially Completed
1699	Middle East	Egypt	EGY/S 114/96	Egypt National Railways	M/P	Railway	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1701	Middle East	Egypt	EGY/A 303/96	North Sinai Integrated Rural Development Project	F/S	Irrigation, Drainage & Reclamation	Processing
1703	Middle East	Egypt	EGY/S 310/96	Crossing Structure (Bridge) over the Suez Canal at Ismailia Zone	F/S	Road	Implementing
1705	Middle East	Egypt	EGY/S 404/96	Construction of the Suez Canal Bridge	D/D	Road	Implementing
1707	Middle East	Egypt	EGY/S 212/99	The Study of Master Plan and Rehabilitation Scheme of the Greater Alexthandria Port	M/P+F/S	Port	Implementing
1709	Middle East	Egypt	EGY/A 224/99	The Study for the Improvement of Irrigation Water Management and Environmental Conservation in the North-east Region of the Central Nile Delta	M/P+F/S	(Agriculture in) General	Promoting
1711	Middle East	Egypt	EGY/S 101/00	The Study on Tourism Development Projects in the Arab Republic of Egypt	M/P	(Tourism in) General	Delayed
1713	Middle East	Egypt	EGY/A 401/00	North Sinai Integrated Rural Development Project (Phase III)(Detailed Design Study) in the Arab Republic of Egypt	D/D	Irrigation, Drainage & Reclamation	Promoting
1715	Middle East	Egypt	EGY/S 214/01	The Study of Management and Development and Oprate Plan of the Suez Canal	M/P+F/S	Port	Promoting
1717	Middle East	Egypt	EGY/S 219/02	The Development Study on Inland Waterway Transport in the Arab Republic of Egypt	M/P+F/S	Marine Transportation & Shins	Promoting
1719	Middle East	Egypt	EGY/S 201/03	Transportation Master Plan and Feasibility Study of Urban Transport Projects in Greater Cairo Region in the Arab Republic of Egypt	M/P+F/S	Urban Transportation	Promoting
1721	Middle East	Iran	IRN/A 101/86	Caspian Sea Coastal Area Agricultural Development Project	M/P	(Agriculture in) General	In Progress or In Use
1723	Middle East	Iran	IRN/A 301/93	Irrigation and Drainage Development Project in Haraz River Basin	F/S	(Agriculture in) General	Promoting
1725	Middle East	Iran	IRN/S 201/95	Port Sector Study	M/P+F/S	Port	Partially Completed
1727	Middle East	Iran	IRN/S 104/97	Integrated Master Plan for Air Pollution Control in the Greater Tehran Area	M/P	Environmental Problems	In Progress or In Use
1729	Middle East	Iran	IRN/S 110/00	The Study on Seismic Microzoning of the Greater Tehran Area in Islamic Republic of Iran	M/P	Meteorology & Seismology	In Progress or In Use
1731	Middle East	Iran	IRN/S 302/01	The Study on Water Management in the Capital Tehran	F/S	Water Resources Development	Implementing
1733	Middle East	Iran	IRN/S 120/02	Study on Watershed Management Plan for Karoon River in the Islamic Republic of Iran	M/P	Disaster Relief	In Progress or In Use
1735	Middle East	Iran	IRN/A 302/02	The Study of Improvement of Irigation, Drainage and Agricultural Development for Gorgan Plain, Golestain Province	F/S	(Agriculture in) General	Promoting
1737	Middle East	Iran	IRN/A 201/03	The Study on Gharasu River Basin Agricultural infrastructure Development Project	M/P+F/S	Irrigation, Drainage & Reclamation	Promoting
1739	Middle East	Iran	IRN/S 101/04	Comprehensive Master Plan Study on Urban Seismic Disaster Prevention and Management for the Greater Tehran Area in the Islamic Republic of Iran	M/P	Disaster Relief	In Progress or In Use
1741	Middle East	Iran	IRN/S 102/04	The Study for Strengthening and improving Air Quality Management in Greater Tehran Area	M/P	Environmental Problems	In Progress or In Use
1743	Middle East	Iran	IRN/S 103/04	The Study on Integrated Management for Ecosystem Conservation of the Anzali Wetland in the Islamic Republic of Iran	M/P	Environmental Problems	In Progress or In Use
1745	Middle East	Iraq	IRQ/A 301/79	Kahla Rice Farm Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1747	Middle East	Iraq	IRQ/S 101/84	Vocational Training Center Project Study in Bagdad and Mosul	M/P	Architecture & Housing	Discontinued or Cancelled
1749	Middle East	Iraq	IRQ/S 102/87	Bagdad City Urban Transport Improvement	M/P	Urban Transportation	Discontinued or Cancelled
1751	Middle East	Jordan	JOR/A 301/76	Wadi Arab Dam and Irrigation Project	F/S	(Agriculture in) General	Completed
1753	Middle East	Jordan	JOR/S 101/79	Integrated Regional Development of Northern Jordan	M/P	Integrated Regional Development Plan	In Progress or In Use
1755	Middle East	Jordan	JOR/S 301/82	Ring Roads Construction Project in Irbid City	F/S	Road	Partially Completed
1757	Middle East	Jordan	JOR/S 102/87	Integrated Regional Development Master Plan for the Karak-Tafila Development Region	M/P	Integrated Regional Development Plan	In Progress or In Use
1759	Middle East	Jordan	JOR/S 501/87	Hydrogeological and Water Use Study of the Mujib Watershed	Basic Study	Water Resources Development	In Progress or In Use
1761	Middle East	Jordan	JOR/S 502/89	Water Resources of the Jafr Basin	Basic Study	Water Resources Development	In Progress or In Use
1763	Middle East	Jordan	JOR/A 302/90	Agricultural Development for the Karak-Tafila Development Region	F/S	(Agriculture in) General	Implementing
1765	Middle East	Jordan	JOR/S 103/95	Brackish Groundwater Desalination	M/P	Water Resources Development	In Progress or In Use
1767	Middle East	Jordan	JOR/S 201/95	Improvement Plan of the Aqaba	M/P+F/S	Port	Partially Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1769	Middle East	Jordan	JOR/S 202/95	Tourism Development Plan	M/P+F/S	(Tourism in) General	Partially Completed
1771	Middle East	Jordan	JOR/S 311/96	Improvement of Water Supply System for the Zarga District	F/S	Water Supply	Implementing
1773	Middle East	Jordan	JOR/S 403/00	The Detailed Design Study of the Tourism Sector Development Project in the Hashmite Kingdom of Jordan	D/D	(Tourism in) General	Implementing
1775	Middle East	Jordan	JOR/S 601/03	Study on Digital Self-learning Material Development in the Hashemite Kingdom of Jordan	M/P	Education	In Progress or In Use
1777	Middle East	Lebanon	LBN/S 216/01	The Study of Environmental Friendly Integrated Transportation Plan for Greater Tripoli	M/P+F/S	Urban Transportation	Promoting
1779	Middle East	Lebanon	LBN/S 101/03	Study on Water Resources Management Master Plan in the Republic of Lebanon	M/P	Water Resources Development	Discontinued or Cancelled
1781	Middle East	Lebanon	LBN/S 201/03	The Study on the Integrated Tourism Development Plan	M/P+F/S	(Tourism in) General	Promoting
1783	Middle East	Morocco	MAR/S 301/84	Nador Airport Construction Project	F/S	Air Transportation & Airport	Delayed or Suspended
1785	Middle East	Morocco	MAR/A 301/86	The Oujda Province Groundwater/ Rural Development Project	F/S	(Agriculture in) General	Partially Completed
1787	Middle East	Morocco	MAR/S 302/87	Development Project of the Elevated Type Urban Transport System in Casablanca	F/S	Railway	Promoting
1789	Middle East	Morocco	MAR/S 201B/89	Rheris River Basin Small and Medium Scale Dam Construction Project	M/P+F/S	River & Erosion Control	Implementing
1791	Middle East	Morocco	MAR/S 501/90	Topographic Mapping	Basic Study	Survey & Mapping	In Progress or In Use
1793	Middle East	Morocco	MAR/A 101/92	Ouergha River Basin Irrigated Agricultural Development Project	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
1795	Middle East	Morocco	MAR/A 201/94	Forestry of Firewoods and Charcoals	M/P+F/S	Forestry & Forest Conservation	Promoting
1797	Middle East	Morocco	MAR/S 122/96	Rural Water Supply in the Pre-rif Region	M/P	Water Resources Development	In Progress or In Use
1799	Middle East	Morocco	MAR/S 105/97	The Study on the National Guideline for Solid Waste Management	M/P	Urban Sanitation	In Progress or In Use
1801	Middle East	Morocco	MAR/A 223/98	Fishing Villages Development Plan	M/P+F/S	Fishery	Partially Completed
1803	Middle East	Morocco	MAR/S 118/01	Feasibility Study for Water Resources Development in Rural Area	M/P	Water Resources Development	In Progress or In Use
1805	Middle East	Morocco	MAR/S 101/03	Master Plan Study on flood forecasting system for Atlas region in the kingdom of Morocco	M/P+F/S	River & Erosion Control	Processing
1807	Middle East	Oman	OMN/A 301/82	Wadi Jizzi Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
1809	Middle East	Oman	OMN/S 501/85	Hydrologic Observation Project in the Batinah Coast	Basic Study	Water Resources Development	In Progress or In Use
1811	Middle East	Oman	OMN/A 401/86	Wadi Jizzi Agricultural Development Project	D/D	Irrigation, Drainage & Reclamation	Completed
1813	Middle East	Oman	OMN/A 101/89	Agriculture Development Project in the Nejd Region	M/P	(Agriculture in) General	In Progress or In Use
1815	Middle East	Oman	OMN/S 101/90	Port Development for Northern Oman	M/P	Port	In Progress or In Use
1817	Middle East	Oman	OMN/A 102/90	The Agricultural Development	M/P	(Agriculture in) General	In Progress or In Use
1819	Middle East	Oman	OMN/S 301/94	Road Development Project in the Sultanate of Oman	F/S	Road	Implementing
1821	Middle East	Oman	OMN/S 405/96	Road Development Project	D/D	Road	Implementing
1823	Middle East	Oman	OMN/A 112/97	Agriculture Development Project II in Nejd Region	M/P	(Agriculture in) General	In Progress or In Use
1825	Middle East	Oman	OMN/S 119/00	Master Plan Study of Salalah Port and its Hinterland	M/P	Port	In Progress or In Use
1827	Middle East	Oman	OMN/S 101/04	Master Plan Study on Restoration, Conservation and Management of Mangrove in the Sultanate of Oman	M/P	Environmental Problems	In Progress or In Use
1829	Middle East	Oman	OMN/S 102/04	The Study on Road Network Development in the Sultanate of Oman	M/P	Road	In Progress or In Use
1831	Middle East	Palestine	PLE/S 211/97	Sewerage Development Plan in the Area of Khan Yunis	M/P+F/S	Sewerage	Partially Completed
1833	Middle East	Qatar	QAT/S 301/86	Drainage Improvement Plan, Doha City	F/S	Sewerage	Completed
1835	Middle East	Saudi Arabia	SAU/S 601/83	General Hospital : Establishment Project	Other Studies	Architecture & Housing	Discontinued or Cancelled

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1837	Middle East	Saudi Arabia	SAU/S 602/83	National Cancer Center : Establishment Project	Other Studies	Architecture & Housing	Discontinued or Cancelled
1839	Middle East	Saudi Arabia	SAU/S 107/99	The Study on Coastal/Marine Habitat and Biological Inventries in the Northern Part of the Red Sea Coast	M/P	Environmental Problems	In Progress or In Use
1841	Middle East	Saudi Arabia	SAU/S 108/99	The Study on an Environmental Assessment and Monitoring of Arabian Gulf	M/P	Environmental Problems	In Progress or In Use
1843	Middle East	Sudan	SDN/S 301/77	Road Project of Obeid-Um Ruaba	F/S	Road	Completed
1845	Middle East	Sudan	SDN/A 301/79	Rice Development Project in Abu Gasaba Basin	F/S	(Agriculture in) General	Completed
1847	Middle East	Sudan	SDN/S 302/89	Construction of the New White Nile Bridge	F/S	Road	Implementing
1849	Middle East	Sudan	SDN/A 302/91	Hurga and Nur El Din Pump Scheme Rehabilitation Project	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
1851	Middle East	Syria	SYR/S 213/96	National Telecommunications Network Expansion Plan	M/P+F/S	Telecommunication	Implementing
1853	Middle East	Syria	SYR/S 214/96	Ports Development Plan	M/P+F/S	Port	Promoting
1855	Middle East	Syria	SYR/S 224/97	Improvement and Extension of Water Distribution System for Damascus City	M/P+F/S	Water Supply	Implementing
1857	Middle East	Syria	SYR/S 209/98	National Tourism Development Plan	M/P+F/S	(Tourism in) General	Implementing
1859	Middle East	Syria	SYR/S 213/99	The Study on Urban Transportation Planning of Damascus City	M/P+F/S	Urban Transportation	Partially Completed
1861	Middle East	Syria	SYR/S 307/99	Study on Water Resources Development in the Northwestern and Central Basins (PhaseII)	F/S	Water Resources Development	Implementing
1863	Middle East	Syria	SYR/S 215/01	The Master Plan Study on the Development of Syrian Railway	M/P+F/S	Railway	Promoting
1865	Middle East	Syria	SYR/S 303/01	The Study on Solid Waste Treatment Plan at Local City	F/S	Urban Sanitation	Partially Completed
1867	Middle East	Syria	SYR/A 105/02	The Study on Quality Improvement of Agricultural Products	M/P	(Agriculture in) General	In Progress or In Use
1869	Middle East	Tunisia	TUN/S 501/87	Topographic Mapping Project	Basic Study	Survey & Mapping	In Progress or In Use
1871	Middle East	Tunisia	TUN/S 301/90	Construction of the Rades - La Goulette Connection Facility	F/S	Road	Implementing
1873	Middle East	Tunisia	TUN/A 101/91	Forest Management in the Mejerdanet Basin	M/P	Forestry & Forest Conservation	In Progress or In Use
1875	Middle East	Tunisia	TUN/S 201/93	Flood Protection for Greater Tunis and Sousse	M/P+F/S	River & Erosion Control	Partially Completed
1877	Middle East	Tunisia	TUN/S 502/93	Topographic Mapping of Central Region	Basic Study	Survey & Mapping	In Progress or In Use
1879	Middle East	Tunisia	TUN/A 304/96	Irrigated Area Improvement in Oasis in the South	F/S	Irrigation, Drainage & Reclamation	Implementing
1881	Middle East	Tunisia	TUN/S 408/00	The Detailed Design Study on the Rural Water Supply Project in the Republic of Tunisia	D/D	Water Supply	Implementing
1883	Middle East	Tunisia	TUN/S 120/01	The Study on Tourism Development Master Plan (Preparatory Study)	M/P	(Tourism in) General	In Progress or In Use
1885	Middle East	Turkey	TUR/S 101/85	Ankara Air Pollution Control Project	M/P	Environmental Problems	Discontinued or Cancelled
1887	Middle East	Turkey	TUR/A 301/89	Adatepe Irrigation Project	F/S	(Agriculture in) General	Implementing
1889	Middle East	Turkey	TUR/S 201B/90	Development Project of Filyos Port	M/P+F/S	Port	Processing
1891	Middle East	Turkey	TUR/S 211/93	Motorway Maintenance, Operation and Traffic Management System	M/P+F/S	Road	Partially Completed
1893	Middle East	Turkey	TUR/A 504/93	Demersal Fisheries Resource Survey	Basic Study	Fishery	In Progress or In Use
1895	Middle East	Turkey	TUR/S 301/94	Flood Control, Forecasting and Warning System for Seyhan River	F/S	Urban Sanitation	Delayed or Suspended
1897	Middle East	Turkey	TUR/A 201/96	Kuchuk Menderes River Basin Irrigation Project	M/P+F/S	(Agriculture in) General	Implementing
1899	Middle East	Turkey	TUR/S 215/96	Maintenance and Rehabilitation of Highway Bridges	M/P+F/S	Road	Promoting
1901	Middle East	Turkey	TUR/S 210/97	Ports Development at the Sea of Marmara	M/P+F/S	Port	Processing
1903	Middle East	Turkey	TUR/A 220/97	National Small-Scale Irrigation and Rural Development Project	M/P+F/S	(Agriculture in) General	Implementing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1905	Middle East	Turkey	TUR/S 305/98	Arterial Highway Maintenance	F/S	Road	Implementing
1907	Middle East	Turkey	TUR/S 214 /99	The Study on Regional Solid Waste Management for Adana-Mersin	M/P+F/S	Urban Sanitation	Implementing
1909	Middle East	Turkey	TUR/S 111/00	Study on the Regional Development Plan for the Eastern Black Sea Region in the Republic of Turkey (DOKAP)	M/P	Integrated Regional Development Plan	In Progress or In Use
1911	Middle East	Turkey	TUR/S 113/00	The Study on Long Term National Port Development Plan in the Republic of Turkey	M/P	Port	In Progress or In Use
1913	Middle East	Turkey	TUR/S 121/02	The Study on a Disaster Prevention/Mitigation Basic Plan in Istanbul including Seismic Microzonation	M/P	Disaster Relief	In Progress or In Use
1915	Middle East	Turkey	TUR/S 201/03	Mater Plan Study on Partcipatory Watershed Rehabilitation in Coruh River in The Republic of Turk	M/P+F/S	River & Erosion Control	Promoting
1917	Middle East	Yemen	YEM/A 101/80	Hajjah Province Integrated Rural Development	M/P	(Agriculture in) General	In Progress or In Use
1919	Middle East	Yemen	YEM/S 303/80	Rural Water Supply Project Part 2	F/S	Water Supply	Completed
1921	Middle East	Yemen	YEM/S 301/81	7th Berth Construction Project of the Port of Hodeidah	F/S	Port	Completed
1923	Middle East	Yemen	YEM/S 302/84	Rural Telecommunications Network	F/S	Telecommunication	Completed
1925	Middle East	Yemen	YEM/S 101/88	Urban Transport Study	M/P	Urban Transportation	In Progress or In Use
1927	Middle East	Yemen	YEM/S 201B/89	Improvement of Ma'alla and Tawahi Sewerage System in Aden	M/P+F/S	Sewerage	Delayed or Suspended
1929	Africa	Angola	AGO/S 501/01	The Establishment of Comprehensive Geographic Database System for the National Rehabilitation and Development	Basic Study	Survey & Mapping	In Progress or In Use
1931	Africa	Benin	BEN/A 102/00	The Study on Cartography Inventory and Management of Classified Forest in Northern Area in Benin	M/P	Forestry & Forest Conservation	In Progress or In Use
1933	Africa	Burkina Faso	BFA/A 301/94	Integrated Agricultural Development in the Upper Mouhoun River Basin	F/S	Irrigation, Drainage & Reclamation	Promoting
1935	Africa	Burkina Faso	BFA/S 503/00	The National Topographic Mapping of Southwestern Area in Burkina Faso	Basic Study	Survey & Mapping	In Progress or In Use
1937	Africa	Central African Republic	CAF/S 215/99	Study on Groundwater Development in Bangui City	M/P+F/S	Water Resources Development	Delayed or Suspended
1939	Africa	Democratic Republic of the Congo	CGO/S 301/78	Project de la construction du pont sur le fleuve Zaire a Matadi	F/S	(Transportation in) General	Completed
1941	Africa	Democratic Republic of the Congo	CGO/S 101/86	Survey for the Comprehensive Transport System Development between Kinshasa and Banana	M/P	(Transportation in) General	In Progress or In Use
1943	Africa	Democratic Republic of the Congo	CGO/S 302/87	Railway Construction Project between Kisenso and Kimbanseke	F/S	Railway	Delayed or Suspended
1945	Africa	Democratic Republic of the Congo	CGO/S 303/89	Construction Project of the East-West Road in Kinshasa City	F/S	Road	Delayed or Suspended
1947	Africa	Cote d'Ivoire	CIV/A 301/91	Hydro-Agricultural Development Project in the Valley of Bou	F/S	(Agriculture in) General	Discontinued or Cancelled
1949	Africa	Cote d'Ivoire	CIV/A 201/95	Integrated Rural Development Project in the N'ZI River Basin	M/P+F/S	(Agriculture in) General	Implementing
1951	Africa	Cote d'Ivoire	CIV/A 225/99	Integrated Rural Development Project in the San Pedro Plain	M/P+F/S	(Agriculture in) General	Promoting
1953	Africa	Cote d'Ivoire	CIV/S 308/99	Feasibility Study on Sewege Facilities in Western District of Abidjan City	F/S	Sewerage	Delayed or Suspended
1955	Africa	Cote d'Ivoire	CIV/S 114/00	Master Plan Study on Integrated Water Resources Management in the Republic of Cote d'Ivoire	M/P	Water Resources Development	Delayed
1957	Africa	Cameroon	CMR/A 301/86	Baigom Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1959	Africa	Cape Verde	CPV/S 109/99	The Study on Groundwater Development for Santiago Island	M/P	Water Resources Development	In Progress or In Use
1961	Africa	Djibouti	DJI/S 303/93	The Oil-Berths Reconstruction of Port of Djibouti	F/S	Port	Completed
1963	Africa	Eritrea	ERT/S 211/98	Groundwater Development and Water Supply for the Seven Towns	M/P+F/S	Water Resources Development	Promoting
1965	Africa	Ethiopia	ETH/S 501/85	Urgent Groundwater Development Project	Basic Study	Water Resources Development	In Progress or In Use
1967	Africa	Ethiopia	ETH/S 301/95	Water Supply and Sanitation	F/S	Water Resources Development	Completed
1969	Africa	Ethiopia	ETH/A 301/95	Becho Plain Agricultural Development	F/S	(Agriculture in) General	Delayed or Suspended
1971	Africa	Ethiopia	ETH/A 504/97	Forest Resources Management Study in the South Western Part	Basic Study	Forestry & Forest Conservation	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
1973	Africa	Ethiopia	ETH/S 210/98	Addis Abeba Flood Control Project	M/P+F/S	River & Erosion Control	Promoting
1975	Africa	Ethiopia	ETH/A 121/01	The Study on Meki Irrigation and Rural Development Project in Oromia Region	M/P	(Agriculture in) General	In Progress or In Use
1977	Africa	Ethiopia	ETH/S 220/02	The Study on Telecommunications Development Plan in Ethiopia	M/P+F/S	Telecommunication	Partially Completed
1979	Africa	Ethiopia	ETH/A 101/04	Capacity Building Programs for Community-Based Irrigation Development in Central Oromia Region of Ethiopia	M/P	(Agriculture in) General	In Progress or In Use
1981	Africa	Gabon	GAB/A 601/79	Fisheries Resources Survey	Other Studies	Fishery	Discontinued or Cancelled
1983	Africa	Ghana	GHA/A 301/76	Aveyime Sugar Production Project in Accra Plains	F/S	(Agriculture in) General	Discontinued or Cancelled
1985	Africa	Ghana	GHA/A 315/97	Rehabilitation of Irrigation	F/S	(Agriculture in) General	Completed
1987	Africa	Ghana	GHA/A 315/99	Reserve Forest Management in Transitional Zone	F/S	Forestry & Forest Conservation	Implementing
1989	Africa	Ghana	GHA/S 502/99	Topographic Mapping of Southern Part of the Republic of Ghana	Basic Study	Survey & Mapping	In Progress or In Use
1991	Africa	Ghana	GHA/S 122/01	Study for Development of a Master Plan to Strengthen Technical Education	M/P	Education	In Progress or In Use
1993	Africa	Ghana	GHA/S 217/01	The Development Study of Ghana Seaports	M/P+F/S	Port	Partially Completed
1995	Africa	Ghana	GHA/A 501/02	Stock Assessment of Demersal Fish Species in the Republic of Ghana	Basic Study	Fishery	In Progress or In Use
1997	Africa	Guinea	GIN/A 301/80	Projet de Developpement Agricole a Kankan	F/S	(Agriculture in) General	Discontinued or Cancelled
1999	Africa	Guinea	GIN/S 301/81	Bauxite Fleet Reinforcement	F/S	Transportation & Shipping	Promoting
2001	Africa	Guinea	GIN/S 501/82	Projet Cartographique	Basic Study	Survey & Mapping	In Progress or In Use
2003	Africa	Guinea	GIN/A 201/03	The Study on the Small-Scale Fishery Development Plan in the Republic of Guinea	M/P+F/S	Fishery	Promoting
2005	Africa	Gambia	GMB/S 506/02	The Study for Establishment of Geographic Database in the Gambia	Basic Study	Survey & Mapping	In Progress or In Use
2007	Africa	Kenya	KEN/A 301/81	Grain Silos Construction Project	F/S	(Agriculture in) General	Completed
2009	Africa	Kenya	KEN/S 301/81	Water Supply Augmentation Project of Mombasa - Coastal Area - Hinterland	F/S	Water Supply	Promoting
2011	Africa	Kenya	KEN/S 501/83	Land Use Mapping (Topographic Mapping Project) in East Kenya	Basic Study	Survey & Mapping	In Progress or In Use
2013	Africa	Kenya	KEN/S 101/84	National Transport Plan	M/P	(Transportation in) General	In Progress or In Use
2015	Africa	Kenya	KEN/S 302/84	Kilifi Bridge Construction Project	F/S	Road	Completed
2017	Africa	Kenya	KEN/S 303/84	Likoni Crossing Construction Project	F/S	Road	Discontinued or Cancelled
2019	Africa	Kenya	KEN/S 102/87	Integrated Regional Development Master Plan for the Lake Basin Development Area	M/P	Integrated Regional Development Plan	In Progress or In Use
2021	Africa	Kenya	KEN/A 302/87	Mwea Irrigation Development Project	F/S	(Agriculture in) General	Partially Completed
2023	Africa	Kenya	KEN/S 304/87	Nairobi Bypass Construction Project	F/S	Road	Promoting
2025	Africa	Kenya	KEN/S 305/90	Construction of Dam in Malewa River System for Greater Nakuru Water Supply Project	F/S	Water Supply	Discontinued or Cancelled
2027	Africa	Kenya	KEN/S 502/90	Topographic Mapping of South Kenya	Basic Study	Survey & Mapping	In Progress or In Use
2029	Africa	Kenya	KEN/A 303/91	Kano Plain Irrigation Project	F/S	(Agriculture in) General	Promoting
2031	Africa	Kenya	KEN/S 103/92	The National Water Master Plan	M/P	Water Resources Development	In Progress or In Use
2033	Africa	Kenya	KEN/S 401/92	Nairobi Bypass Project	D/D	Road	Promoting
2035	Africa	Kenya	KEN/S 304/93	Nakuru Sewage Works Rehabilitation and Expansion Project	F/S	Sewerage	Completed
2037	Africa	Kenya	KEN/S 104/95	National Tourism Master Plan	M/P	(Tourism in) General	In Progress or In Use
2039	Africa	Kenya	KEN/S 105/95	Road Network Development	M/P	Road	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2041	Africa	Kenya	KEN/S 212/97	Water Supply for Seven Towns in Eastern Province	M/P+F/S	Water Supply	Implementing
2043	Africa	Kenya	KEN/S 106/98	Strengthening Regional Health System in Western Kenya	M/P	Public Health and Medicine	In Progress or In Use
2045	Africa	Kenya	KEN/S 212/98	Kismu Water Supply and Sanitation Project	M/P+F/S	(Public Utilities in) General	Implementing
2047	Africa	Kenya	KEN/S 213/98	Solid Waste Management for Nairobi City	M/P+F/S	Urban Sanitation	Promoting
2049	Africa	Kenya	KEN/A 224/98	Community-Based Small Holder Irrigation Development Project	M/P+F/S	(Agriculture in) General	Completed
2051	Africa	Kenya	KEN/S 601/98	The Aftercare Study of the National Water Master Plan	Other Studies	Water Resources Development	In Progress or In Use
2053	Africa	Kenya	KEN/S 110/99	The Study on Rural Roads Improvement in Western Kenya	M/P	Road	In Progress or In Use
2055	Africa	Kenya	KEN/A 123/01	The Master Plan on Integrated Rural Development Project in Baringo Semi-Arid Land Area (Marigat and Mukutani Divisions)	M/P	(Agriculture in) General	In Progress or In Use
2057	Africa	Kenya	KEN/S 122/02	Study on the Utilization of Private Sector in the Road Maintenance System in the Republic of Kenya	M/P	Road	In Progress or In Use
2059	Africa	Liberia	LBR/S 301/80	Gbarnga - Kolahun - Mendikoma Highway Project	F/S	Road	Completed
2061	Africa	Madagascar	MDG/S 301/78	Southern Microwave System in Madagascar	F/S	Telecommunication	Completed
2063	Africa	Madagascar	MDG/S 501/79	Improvement of National Highway No.5	Basic Study	Road	Discontinued or Cancelled
2065	Africa	Madagascar	MDG/S 303/91	Groundwater Development in Southwestern Area	F/S	Water Supply	Completed
2067	Africa	Madagascar	MDG/S 201/94	Development of the Port of Antsiranana	M/P+F/S	Port	Promoting
2069	Africa	Madagascar	MDG/S 216/96	Groundwater Development Study in South-Western Region (Phase 2)	M/P+F/S	Water Resources Development	Processing
2071	Africa	Madagascar	MDG/S 503 /99	The Establishment of a Database for Geographic Information Systems of the Capital Area	Basic Study	Survey & Mapping	In Progress or In Use
2073	Africa	Madagascar	MDG/A 303/00	The Feasibility Study on Watershed Management in Mantasoa and Tsiazompaniry in Madagascar	F/S	Forestry & Forest Conservation	Implementing
2075	Africa	Mali	MLI/A 301/81	Baguinda Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
2077	Africa	Mali	MLI/S 501/82	La Mise en Valeur des Eaux Sou Terraines dans la 7 eme Region economique	Basic Study	Water Resources Development	In Progress or In Use
2079	Africa	Mali	MLI/A 302/85	Baguinda Agricultural Development Project (Updating Study)	F/S	(Agriculture in) General	Completed
2081	Africa	Mali	MLI/A 303/90	Kala Upstream Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2083	Africa	Mali	MLI/A 501/95	Nara Region Overall Development Project	Basic Study	(Agriculture in) General	In Progress or In Use
2085	Africa	Mali	MLI/S 502/01	The National Topographic Mapping of the Kita Area	Basic Study	Survey & Mapping	In Progress or In Use
2087	Africa	Mali	MLI/S 101/03	The Study of prevention for desertification in the south region of Segou in the Republic of Mali	M/P	Others	In Progress or In Use
2089	Africa	Mozambique	MOZ/S 106/97	Maintenance and Improvement Plan of Access Channel of Beira Port	M/P	Port	In Progress or In Use
2091	Africa	Mozambique	MOZ/S 501/00	The National Topographic Mapping in Niassa Province, the Republic of Mozambique	Basic Study	Survey & Mapping	In Progress or In Use
2093	Africa	Mozambique	MOZ/S 124/01	The Study on the Integrated Development Master Plan of the Angonia Region	M/P	Integrated Regional Development Plan	In Progress or In Use
2095	Africa	Mozambique	MOZ/S 125/01	Master Plan and Feasibility Study for the Road Development in the City of Maputo	M/P	Road	In Progress or In Use
2097	Africa	Mozambique	MOZ/A 106/02	The Study on the Development of the Resettlement Area for Demobilized Soldiers and Mine Labors from South Africa	M/P	(Agriculture in) General	In Progress or In Use
2099	Africa	Mauritania	MRT/A 316/97	Irrigation and Agricultural Development Project in Upper Delta	F/S	(Agriculture in) General	Promoting
2101	Africa	Mauritania	MRT/S 307/98	Groundwater Development for Kiffa City	F/S	Water Resources Development	Implementing
2103	Africa	Mauritania	MRT/A 502/02	The Study for the Fisheries Resources Management Plan in Mauritania	Basic Study	Fishery	In Progress or In Use
2105	Africa	Mauritius	MUS/S 301/78	Beau Bassin-Port Louis Link Road	F/S	Road	Discontinued or Cancelled
2107	Africa	Mauritius	MUS/S 401/80	Beau Bassin-Port Louis Link Road	D/D	Road	Discontinued or Cancelled

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2109	Africa	Mauritius	MUS/S 302/89	Port Louis City Water Supply Project	F/S	Water Supply	Promoting
2111	Africa	Mauritius	MUS/S 303/90	Landslide Protection Project in Port Louis	F/S	River & Erosion Control	Completed
2113	Africa	Mauritius	MUS/S 402/91	Port Louis Water Supply Project	D/D	Water Supply	Promoting
2115	Africa	Malawi	MWI/A 301/94	Bwanje Valley Smallholder Irrigation Development Project	F/S	Irrigation, Drainage & Reclamation	Completed
2117	Africa	Malawi	MWI/A 104/96	Sustainable Multiple-Use Resources Management of the Nkhotakota Wildlife Reserve	M/P	Forestry & Forest Conservation	In Progress or In Use
2119	Africa	Malawi	MWI/S 306/98	Reconstruction of Mangochi Road Bridge	F/S	Road	Completed
2121	Africa	Malawi	MWI/S 111/99	Master Plan on Strengthening of Primary Health Care Services	M/P	Public Health and Medicine	In Progress or In Use
2123	Africa	Malawi	MWI/A 101/00	Master Plan Study on Watershed Rehabilitation in Middle Shire in Malawi	M/P	Forestry & Forest Conservation	In Progress or In Use
2125	Africa	Malawi	MWI/S 123/02	Study on National School Mapping and Micro-planning in the Republic of Malawi	M/P	Education	In Progress or In Use
2127	Africa	Malawi	MWI/S 501/04	Pilot Study on Community Vitalization and Afforestation in Middle Shire in Malawi	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2129	Africa	Malawi	MWI/A 502/04	The Capacity Building and Development for Smallholder Irrigation Schemes	Basic Study	Irrigation, Drainage & Reclamation	In Progress or In Use
2131	Africa	Namibia	NAM/S 126/01	The Study on the Groundwater Potential Evaluation and Management Plan in the Southeast Kalahari (Stampriet) Artesian Basin	M/P	Water Resources Development	In Progress or In Use
2133	Africa	Niger	NER/S 601/77	Plan de Consolidation et d'Aménagement de la Capacité de Transport	Other Studies	(Transportation in) General	In Progress or In Use
2135	Africa	Niger	NER/A 301/83	Aménagement Hydro-agricole de la Cuvette de Kourani-Baria	F/S	(Agriculture in) General	Completed
2137	Africa	Niger	NER/A 101/89	Rehabilitation of Ouallam Area	M/P	(Agriculture in) General	In Progress or In Use
2139	Africa	Niger	NER/A 302/89	Hydro-Agricultural Development Project of the Ouna-Kouanza Basin	F/S	(Agriculture in) General	Promoting
2141	Africa	Niger	NER/S 501/95	Topographic Mapping of the Djerma Ganda and Dallols Region	Basic Study	Survey & Mapping	In Progress or In Use
2143	Africa	Niger	NER/A 119/98	The Study on the Plan to Combat Desertification in Tillabery Department	M/P	(Agriculture in) General	In Progress or In Use
2145	Africa	Niger	NER/S 218/01	The Study on the Sanitation Improvement for the Niamey City	M/P+F/S	Urban Sanitation	Promoting
2147	Africa	Nigeria	NGA/A 301/77	Agricultural Development Projects in Imo and Bendel States	F/S	(Agriculture in) General	Discontinued or Cancelled
2149	Africa	Nigeria	NGA/S 101/81	New Ocean Terminal Project	M/P	Port	Discontinued or Cancelled
2151	Africa	Nigeria	NGA/S 201B/90	Groundwater Development in Sokoto State	M/P+F/S	Water Resources Development	Partially Completed
2153	Africa	Nigeria	NGA/S 102/94	National Water Resources Master Plan	M/P	River & Erosion Control	Discontinued or Cancelled
2155	Africa	Rwanda	RWA/S 101/85	Rural Water Supply Project in the Eastern Region	M/P	Water Supply	In Progress or In Use
2157	Africa	Rwanda	RWA/S 301/91	Rural Water Supply Project in the Eastern Region (Phase 3)	F/S	Water Resources Development	Delayed or Suspended
2159	Africa	Senegal	SEN/S 501/78	L'Operation de Dressage de la Carte Photographique au Moyen de la Projection Orthographique Pour le Projet de Construction de la Ligne de Chemin de Faleme	Basic Study	Railway	In Progress or In Use
2161	Africa	Senegal	SEN/S 301/80	Fleet Expansion Program	F/S	Marine Transportation & Ships	Discontinued or Cancelled
2163	Africa	Senegal	SEN/A 301/86	Survey for the Small Scale Rural Development Project and Agricultural Verification Study	F/S	(Agriculture in) General	Completed
2165	Africa	Senegal	SEN/A 501/90	Agricultural Verification Study	Basic Study	(Agriculture in) General	In Progress or In Use
2167	Africa	Senegal	SEN/S 502/91	Mapping Project in Western Senegal	Basic Study	Survey & Mapping	In Progress or In Use
2169	Africa	Senegal	SEN/S 201/94	Urban Drainage and Wastewater Systems in Dakar City and Its Surroundings	M/P+F/S	Water Resources Development	Processing
2171	Africa	Senegal	SEN/A 221/97	Development Program for Northern Fishing Areas	M/P+F/S	Fishery	Partially Completed
2173	Africa	Senegal	SEN/S 109/00	The Study on Infrastructure Information Management System of the Dakar Metropolitan Area in the Republic of Senegal	M/P	Urban Planning & Land Development	In Progress or In Use
2175	Africa	Senegal	SEN/S 101/04	The Study on the Improvement of Environment for Early Childhood in the Republic of Senegal	M/P	Social Welfare	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2177	Africa	Sierra Leone	SLE/S 301/80	Mekeni-Kamakwie Road Project	F/S	Road	Partially Completed
2179	Africa	Sierra Leone	SLE/A 301/83	Rhombe Swamp Agricultural Development Project	F/S	(Agriculture in) General	Delayed or Suspended
2181	Africa	Swaziland	SWZ/S 301/80	New International Airport Construction Project	F/S	Air Transportation & Airport	Discontinued or Cancelled
2183	Africa	Swaziland	SWZ/S 503/01	The Study on Digital Mapping Project for the South Implementation of the Development Plan	Basic Study	Survey & Mapping	In Progress or In Use
2185	Africa	Swaziland	SWZ/A 201/03	The Study on Improvement of Rural Environment in Degraded Land in the Kingdom of Swaziland	M/P+F/S	(Agriculture in) General	Promoting
2187	Africa	Tanzania	TZA/S 101/76	Natural Soda Development in Lake Natron and Related Transportation Facilities	M/P	(Transportation in) General	Discontinued or Cancelled
2189	Africa	Tanzania	TZA/S 102/77	Kilimanjaro Region Integrated Development Plan	M/P	Integrated Regional Development Plan	In Progress or In Use
2191	Africa	Tanzania	TZA/S 301/77	Southern Coastal Link Road Project	F/S	Road	Partially Completed
2193	Africa	Tanzania	TZA/S 302/78	Purchasing of an Additional Passenger - Cum - Cargo Vessel for Tanzania Coastal Shipping Line	F/S	Marine Transportation & Ships	Discontinued or Cancelled
2195	Africa	Tanzania	TZA/S 103/80	Proposed Mahale Mountains National Park	M/P	(Tourism in) General	In Progress or In Use
2197	Africa	Tanzania	TZA/A 301/80	Lower-Moshi Agricultural Development Project	F/S	(Agriculture in) General	Completed
2199	Africa	Tanzania	TZA/A 302/83	Mkomazi Valley Area Irrigation Development Project	F/S	(Agriculture in) General	Completed
2201	Africa	Tanzania	TZA/A 601/88	Expanded Afforestation Work in the Same District of Kilimanjaro Region	Other Studies	Forestry & Forest Conservation	In Progress or In Use
2203	Africa	Tanzania	TZA/S 303/90	Road Improvement and Maintenance in Dar es Salaam	F/S	Road	Completed
2205	Africa	Tanzania	TZA/A 303/90	Lower Hai and Lower Rombo Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2207	Africa	Tanzania	TZA/S 304/91	Rehabilitation of Dar Es Salaam Water Supply	F/S	Water Supply	Processing
2209	Africa	Tanzania	TZA/S 104/94	Water Resources Development in the Ruve River	M/P	Water Resources Development	In Progress or In Use
2211	Africa	Tanzania	TZA/S 201/94	Dar es Salaam Road Development Plan	M/P+F/S	Road	Partially Completed
2213	Africa	Tanzania	TZA/S 501/94	Topographic Mapping of Mwanza-Geita Block	Basic Study	Survey & Mapping	In Progress or In Use
2215	Africa	Tanzania	TZA/S 305/95	The Feasibility Study on Monduli Town and the Surrounding Area Water Supply in Arusha Region	F/S	Water Resources Development	Partially Completed
2217	Africa	Tanzania	TZA/S 213/97	Solid Waste Management for Dar es Salaam City	M/P+F/S	Urban Sanitation	Promoting
2219	Africa	Tanzania	TZA/A 222/97	Smallholder Irrigation Project in Central Wami River Basin	M/P+F/S	(Agriculture in) General	Partially Completed
2221	Africa	Tanzania	TZA/S 308/98	Groundwater Development for Hanang, Singida Rural, Manyoni and Igunga District	F/S	Water Resources Development	Implementing
2223	Africa	Tanzania	TZA/A 311/98	Lower Moshi Integrated Agriculture and Rural Development Project	F/S	(Agriculture in) General	Promoting
2225	Africa	Tanzania	TZA/S 127/01	School Mapping and Micro-Planning in Education	M/P	Education	In Progress or In Use
2227	Africa	Tanzania	TZA/S 219/01	The Study on Water Supply and Sanitation in Lindi and Mtwara Region	M/P+F/S	Water Resources Development	Implementing
2229	Africa	Tanzania	TZA/A 107/02	The Master Plan Study on Fisheries Development in the United Republic of Tanzania	M/P	Fishery	In Progress or In Use
2231	Africa	Tanzania	TZA/A 101/03	The Verification Study on the Small Scale Horticultural Development Project for Poverty Alleviation to Farmers in Coast Region	M/P	(Agriculture in) General	In Progress or In Use
2233	Africa	Tanzania	TZA/A 101/04	The Study on National Irrigation Master Plan	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
2235	Africa	Uganda	UGA/S 101/94	Telecommunication Network in the Republic of Uganda	M/P	Telecommunication	In Progress or In Use
2237	Africa	Uganda	UGA/A 101/94	Integrated Agricultural and Rural Development Project in Central Uganda	M/P	(Agriculture in) General	In Progress or In Use
2239	Africa	Uganda	UGA/S 312/96	Rural Water Supply in the Mpigi, Mubende and Kiboga Districts	F/S	Water Resources Development	Completed
2241	Africa	Uganda	UGA/S 302/97	Improvement of Trunk Road at Kampala Urban Interface Sections	F/S	Road	Partially Completed
2243	Africa	Uganda	UGA/S 501/97	Topographic Mapping of Kampala and Jinja Blocks, North of Lake Victoria	Basic Study	Survey & Mapping	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2245	Africa	South Africa	ZAF/S 124/02	The Master Plan Study on Tourism Development in Republic of South Africa	M/P	Public Health and Medicine	In Progress or In Use
2247	Africa	Zambia	ZMB/S 301/81	Microwave Radio Relay Project	F/S	Telecommunication	Completed
2249	Africa	Zambia	ZMB/S 302/85	Lusaka International Airport Development Project	F/S	Air Transportation & Airport	Implementing
2251	Africa	Zambia	ZMB/S 303/90	Kafue Road Bridge Reconstruction Project	F/S	Road	Completed
2253	Africa	Zambia	ZMB/S 101/91	Hydrologic Observation Systems of the Major River Basins	M/P	Water Resources Development	In Progress or In Use
2255	Africa	Zambia	ZMB/A 501/92	The Agricultural Verification Study	Basic Study	(Agriculture in) General	In Progress or In Use
2257	Africa	Zambia	ZMB/S 110/93	Long Term Plan for Development of Telecommunications Network	M/P	Telecommunication	In Progress or In Use
2259	Africa	Zambia	ZMB/A 101/95	Forest Resources Management Study for Zambia Teak Forest in South-Western Zambia	M/P	Forestry & Forest Conservation	In Progress or In Use
2261	Africa	Zambia	ZMB/S 102/95	National Water Resources Master Plan	M/P	Water Resources Development	In Progress or In Use
2263	Africa	Zambia	ZMB/A 201/95	Mongu Rural Development Project in Zambezi River Flood Plain Area	M/P+F/S	(Agriculture in) General	Completed
2265	Africa	Zambia	ZMB/S 220/01	The Study on the Environmental Improvement of Unplanned Urban Settlement in Lusaka	M/P+F/S	Urban Planning & Land Development	Processing
2267	Africa	Zimbabwe	ZWE/S 601/80	Electrification of National Railways	Other Studies	Railway	In Progress or In Use
2269	Africa	Zimbabwe	ZWE/S 101/83	Rural Water Supply Programme in Communal Lands in Parts of Masvingo and Midlands Provinces	M/P	Water Supply	In Progress or In Use
2271	Africa	Zimbabwe	ZWE/S 301/83	Installation Project of INTELSAT Standard A Earth Station	F/S	Telecommunication	Completed
2273	Africa	Zimbabwe	ZWE/A 301/87	Medium Size Dams in Masvingo Province	F/S	(Agriculture in) General	Completed
2275	Africa	Zimbabwe	ZWE/A 302/90	Nyakomba Irrigation Development Project	F/S	(Agriculture in) General	Partially Completed
2277	Africa	Zimbabwe	ZWE/S 302/92	Rural Telecommunications Network Project	F/S	(Comms. & Broad. in) General	Partially Completed
2279	Africa	Zimbabwe	ZWE/A 101/95	Master Plan Study on Lower Munyati Basin Agricultural Development	M/P	(Agriculture in) General	In Progress or In Use
2281	Africa	Zimbabwe	ZWE/S 217/96	Water Pollution Control Project in the Upper Manyame River Basin	M/P+F/S	Environmental Problems	Completed
2283	Africa	Zimbabwe	ZWE/A 302/00	The Feasibility Study on the Lower Munyati River Basin Agricultural Development Project in the Republic of Zimbabwe	F/S	(Agriculture in) General	Delayed or Suspended
2285	Africa	Zimbabwe	ZWE/A 501/00	The Forest Survey in the Gwaai and Bembesi Areas	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2287	Middle & South America	Argentina	ARG/S 301/79	Deep Water Port Construction Project at Punta Medanos	F/S	Port	Discontinued or Cancelled
2289	Middle & South America	Argentina	ARG/S 101/86	Study on Economic Development	M/P	Integrated Regional Development Plan	In Progress or In Use
2291	Middle & South America	Argentina	ARG/S 302/86	Preliminary Design for the Amplification of an Inspection and Repairing Workshop for Electric Rolling Stock	F/S	Railway	Discontinued or Cancelled
2293	Middle & South America	Argentina	ARG/S 102/87	Development Plan for the Telecommunication and Broadcasting Networks in the Province of Mendoza	M/P	(Comms. & Broad. in) General	In Progress or In Use
2295	Middle & South America	Argentina	ARG/A 101/88	The Agricultural Development Project in the Adjacent Area to the Yacyreta Dam in the Province of Corrientes	M/P	(Agriculture in) General	In Progress or In Use
2297	Middle & South America	Argentina	ARG/S 501/94	Topographic Mapping of North-East Region in Argentine Republic	Basic Study	Survey & Mapping	In Progress or In Use
2299	Middle & South America	Argentina	ARG/A 102/95	Forest Resources Management Study at Chaco	M/P	Forestry & Forest Conservation	In Progress or In Use
2301	Middle & South America	Argentina	ARG/S 121/96	Economic Development (the Second Study)	M/P	(Development Plan in) General	In Progress or In Use
2303	Middle & South America	Bolivia	BOL/S 301/77	Viru Viru International Airport Development	F/S	Air Transportation & Airport	Completed
2305	Middle & South America	Bolivia	BOL/S 501/78	Topographic Mapping Project for Chapare Area	Basic Study	Survey & Mapping	In Progress or In Use
2307	Middle & South America	Bolivia	BOL/A 501/79	Land Use Mapping Project for Chapare Area	Basic Study	(Agriculture in) General	In Progress or In Use
2309	Middle & South America	Bolivia	BOL/S 302/82	Railway Construction/Rehabilitation Project (Eastern Line: Taperas-Robore and Ipias-Robore)	F/S	Railway	Completed
2311	Middle & South America	Bolivia	BOL/S 303/82	National Telecommunication Network Project	F/S	Telecommunication	Discontinued or Cancelled

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2313	Middle & South America	Bolivia	BOL/S 201B/87	El Alto Airport Modernization Project	M/P+F/S	Air Transportation & Airport	Partially Completed
2315	Middle & South America	Bolivia	BOL/S 304/87	Survey for the Road Improvement between San Borja and Trinidad	F/S	Road	Partially Completed
2317	Middle & South America	Bolivia	BOL/S 305/87	Groundwater Development Project on El Alto District in La Paz City	F/S	Water Supply	Completed
2319	Middle & South America	Bolivia	BOL/S 401/88	Survey for the Road Improvement between San Borja and Trinidad	D/D	Road	Partially Completed
2321	Middle & South America	Bolivia	BOL/A 301/90	Agricultural and Rural Development Project in Santa Ana	F/S	(Agriculture in) General	Partially Completed
2323	Middle & South America	Bolivia	BOL/S 306/90	Road Improvement between Santa Barbara and Bella Vista	F/S	Road	Processing
2325	Middle & South America	Bolivia	BOL/S 101/91	Modernization and Rehabilitation of Bolivian National Railways	M/P	Railway	In Progress or In Use
2327	Middle & South America	Bolivia	BOL/A 101/91	Forest Resources Management	M/P	Forestry & Forest Conservation	In Progress or In Use
2329	Middle & South America	Bolivia	BOL/S 212/93	Control of Water Contamination of the Rivers in the City of La Paz	M/P+F/S	Environmental Problems	Promoting
2331	Middle & South America	Bolivia	BOL/A 102/95	Agricultural Marketing Systems in Santa Cruz	M/P	(Agriculture in) General	In Progress or In Use
2333	Middle & South America	Bolivia	BOL/S 307/95	Improvement Project of the Oruro-Cochabamba Line	F/S	Railway	Promoting
2335	Middle & South America	Bolivia	BOL/S 502/95	Topographic Mapping of La Paz-Beni Region	Basic Study	Survey & Mapping	In Progress or In Use
2337	Middle & South America	Bolivia	BOL/S 601/95	Environmental Impact Assessment of Road Improvement between San Borja and Trinidad	Other Studies	Road	In Progress or In Use
2339	Middle & South America	Bolivia	BOL/S 117/96	Flood Control in the Northern Rural Region of Santa Cruz	M/P	River & Erosion Control	In Progress or In Use
2341	Middle & South America	Bolivia	BOL/S 218/96	Provincial Groundwater Development	M/P+F/S	Water Resources Development	Partially Completed
2343	Middle & South America	Bolivia	BOL/A 317/97	Agricultural Development Study of Achacachi Area	F/S	(Agriculture in) General	Partially Completed
2345	Middle & South America	Bolivia	BOL/S 309/99	The Feasibility Study on Flood Control in the Northern Rural Region of Santa Cruz	F/S	River & Erosion Control	Implementing
2347	Middle & South America	Bolivia	BOL/A 316/99	Improvement of Agricultural Marketing System in Santa Cruz	F/S	Agricultural Processing	Promoting
2349	Middle & South America	Bolivia	BOL/S 125/01	The Study on Enhancement of District Health System for Beni Prefecture in the Republic of Bolivia	M/P	Public Health and Medicine	In Progress or In Use
2351	Middle & South America	Brazil	BRA/S 101/75	Plano de Construcáo da Nova Ligacáo Ferroviao Ferroviaria	M/P	Railway	In Progress or In Use
2353	Middle & South America	Brazil	BRA/S 301/77	Praia Mole Port Construction Project	F/S	Port	Discontinued or Cancelled
2355	Middle & South America	Brazil	BRA/S 102/79	Regional Development of the Three States: Espirito Santo, Minas Gerais and Goias	M/P	Integrated Regional Development Plan	In Progress or In Use
2357	Middle & South America	Brazil	BRA/S 103/80	Establishment of the Fire Fighting Training Center in Brasilia D.F.	M/P	Architecture & Housing	In Progress or In Use
2359	Middle & South America	Brazil	BRA/S 104/85	Regional Development Plan of the Greater Carajas Program	M/P	Integrated Regional Development Plan	In Progress or In Use
2361	Middle & South America	Brazil	BRA/S 201B/87	Itajai River Basin Flood Control Project	M/P+F/S	River & Erosion Control	Completed
2363	Middle & South America	Brazil	BRA/S 302/89	Flood Control Project in the Lower Itajai River Basin	F/S	River & Erosion Control	Processing
2365	Middle & South America	Brazil	BRA/S 202B/90	Disaster Prevention and Restoration Project in Serra do Mar, Cubatao Region	M/P+F/S	River & Erosion Control	Implementing
2367	Middle & South America	Brazil	BRA/S 105/91	Urban Transport in Belem	M/P	Urban Transportation	In Progress or In Use
2369	Middle & South America	Brazil	BRA/S 101/93	Recuperation of the Guanabara Bay Ecosystem	M/P	Environmental Problems	In Progress or In Use
2371	Middle & South America	Brazil	BRA/S 306/94	Navigation of the Parnaiba River Basin	F/S	Port	Promoting
2373	Middle & South America	Brazil	BRA/S 106/95	The Utilization of Water Resources in Parana State	M/P	Water Resources Development	In Progress or In Use
2375	Middle & South America	Brazil	BRA/A 120/98	Integrated Development Study for Agriculture and Livestock in Tocantins State	M/P	(Agriculture in) General	In Progress or In Use
2377	Middle & South America	Brazil	BRA/A 502/98	The Fishery Resources Study of the Amazon and Tocantins River Mouth Areas	Basic Study	Fishery	In Progress or In Use
2379	Middle & South America	Brazil	BRA/S 216/99	The Study on Water Resources Development at the State of Sergipe	M/P+F/S	Water Resources Development	Implementing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2381	Middle & South America	Brazil	BRA/S 104/00	The Study on the Environmental Management of the Hydrographic Basin Patos and Mirim in Republic of Brazil	M/P	Environmental Problems	In Progress or In Use
2383	Middle & South America	Brazil	BRA/S 205/00	Study on Storm-water Drainage and Sewerage Management plan for Recife Metropolitan Area in the Federative Republic of Brazil	M/P+F/S	Sewerage	Promoting
2385	Middle & South America	Brazil	BRA/A 128/01	The Study on Agricultural Sector Development for Amazonas State	M/P	(Agriculture in) General	In Progress or In Use
2387	Middle & South America	Brazil	BRA/A 221/01	Integrated Development Master Plan Study in the northern region for Agriculture and Livestock of the State of Tocantins	M/P+F/S	(Agriculture in) General	Promoting
2389	Middle & South America	Brazil	BRA/S 301/03	The Feasibility Study on the Improvement of Transportation System in the Metropolitan Area of Belem	F/S	Urban Transportation	Implementing
2391	Middle & South America	Brazil	BRA/S 302/03	Study on Management and Improvement of the Environmental Conditions of the Guanabara Bay in Rio de Janeiro, the Federative Republic of Brazil	F/S	Port	Promoting
2393	Middle & South America	Chile	CHL/S 101/83	State Railways Modernization Project	M/P	Railway	In Progress or In Use
2395	Middle & South America	Chile	CHL/S 102/86	Development Plan of the Ports of Valparaiso and San Antonio	M/P	Port	In Progress or In Use
2397	Middle & South America	Chile	CHL/A 301/86	Mapocho River Basin Agricultural Development Project	F/S	(Agriculture in) General	Implementing
2399	Middle & South America	Chile	CHL/A 302/88	Survey for the Tololo Pampa Area Groundwater-Used Agricultural Development Project	F/S	(Agriculture in) General	Implementing
2401	Middle & South America	Chile	CHL/S 103/92	Rehabilitation and Conservation Program of Bridges	M/P	Road	In Progress or In Use
2403	Middle & South America	Chile	CHL/A 501/92	Forest Resources Management	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2405	Middle & South America	Chile	CHL/S 201/94	Development of Water Resources in Northern Chile	M/P+F/S	Water Resources Development	Partially Completed
2407	Middle & South America	Chile	CHL/S 301/94	Feasibility Study on the New Biobio Bridge	F/S	Road	Completed
2409	Middle & South America	Chile	CHL/S 104/95	Industrial Solid Waste Management in the Metropolitan Region	M/P	Urban Sanitation	In Progress or In Use
2411	Middle & South America	Chile	CHL/S 107/98	The Rehabilitation Conservation Program on Bridges (Phase 2)	M/P	Road	In Progress or In Use
2413	Middle & South America	Chile	CHL/A 226/99	Agricultural Development and Water Management in Metropolitan Area	M/P+F/S	(Agriculture in) General	Promoting
2415	Middle & South America	Chile	CHL/S 129/01	Study for Promotion of Investments and Exports for the Balanced Economic Development	M/P	(Development Plan in) General	In Progress or In Use
2417	Middle & South America	Colombia	COL/S 101/81	Simon Bolivar Great Memorial Park Project	M/P	Urban Planning & Land Development	In Progress or In Use
2419	Middle & South America	Colombia	COL/A 501/81	Fisheries Resources Survey	Basic Study	Fishery	In Progress or In Use
2421	Middle & South America	Colombia	COL/S 301/82	Bogota-Buenaventura Road Project	F/S	Road	Discontinued or Cancelled
2423	Middle & South America	Colombia	COL/S 102/84	Comprehensive Urban Transport Study in Barranquilla Metropolitan Region	M/P	Urban Transportation	In Progress or In Use
2425	Middle & South America	Colombia	COL/A 301/84	Pamplonita River Basin Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
2427	Middle & South America	Colombia	COL/A 302/86	Small Scale Irrigation Package Project in Slope Area	F/S	(Agriculture in) General	Partially Completed
2429	Middle & South America	Colombia	COL/S 302/87	Urban Development of the Central District of Barranquilla	F/S	Urban Planning & Land Development	Implementing
2431	Middle & South America	Colombia	COL/A 101/88	Quindio Basin Integrated Agricultural Development Project	M/P	(Agriculture in) General	In Progress or In Use
2433	Middle & South America	Colombia	COL/A 303/89	Ariari River Basin Integrated Agricultural Development Project	F/S	(Agriculture in) General	Processing
2435	Middle & South America	Colombia	COL/S 103/91	Air Pollution Control Plan in Santafe de Bogota City Area	M/P	Environmental Problems	In Progress or In Use
2437	Middle & South America	Colombia	COL/A 304/91	Quindio Basin Integrated Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
2439	Middle & South America	Colombia	COL/S 104/92	The Urban Transport Study in the City of Cartagena de Indias.	M/P	Urban Transportation	In Progress or In Use
2441	Middle & South America	Colombia	COL/A 502/92	Forest Resources Management	Basic Study	Forestry & Forest Conservation	Delayed
2443	Middle & South America	Colombia	COL/S 118/96	Urban Transportation for Santafe of Bogota City	M/P	Road	In Progress or In Use
2445	Middle & South America	Colombia	COL/S 310/99	Feasibility Study on the Project of Highway and Bus-lane of Santa Fe de Bogota	F/S	Road	Completed
2447	Middle & South America	Colombia	COL/S 106/00	The Study on the Regional Environmental Improvement Plan for the Basin of Lake Fuquene in the Republic of Colombia	M/P	Environmental Problems	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2449	Middle & South America	Colombia	COL/S 130/01	The Study on the Disaster Prevention in the Bogota metropolitan area	M/P	Meteorology & Seismology	In Progress or In Use
2451	Middle & South America	Colombia	COL/S 126/02	Study on Ground Water Development in the Bogota Plain in the Republic of Colombia	M/P	Disaster Relief	In Progress or In Use
2453	Middle & South America	Costa Rica	CRI/S 101/77	Regional Study of the Hinterland of Caldera and Puntarenas Ports	M/P	Integrated Regional Development Plan	In Progress or In Use
2455	Middle & South America	Costa Rica	CRI/S 301/81	Second Stage Expansion Project of the Port of Caldera	F/S	Port	Discontinued or Cancelled
2457	Middle & South America	Costa Rica	CRI/S 302/86	Maintenance Project of the Port of Caldera	F/S	Port	Partially Completed
2459	Middle & South America	Costa Rica	CRI/A 201B/88	Limon Integrated Agricultural Development Project	M/P+F/S	(Agriculture in) General	Delayed or Suspended
2461	Middle & South America	Costa Rica	CRI/A 501/88	Fisheries Resources Survey of the Pacific Coast	Basic Study	Fishery	In Progress or In Use
2463	Middle & South America	Costa Rica	CRI/S 501/91	Mapping Project for Metropolitan Area of San Jose City	Basic Study	Survey & Mapping	In Progress or In Use
2465	Middle & South America	Costa Rica	CRI/S 201B/92	Development Project of Three International Airports	M/P+F/S	Air Transportation & Airport	Partially Completed
2467	Middle & South America	Costa Rica	CRI/S 206/00	The Study for the Land Use Plan in the Coastal Zones of the Tourist Planning Units in the Republic of Costa Rica	M/P+F/S	Integrated Regional Development Plan	Promoting
2469	Middle & South America	Costa Rica	CRI/A 303/02	The Study on Rural Development Project for The Middle Basin of Tempisque River in the Republic of Costa Rica	F/S	(Agriculture in) General	Promoting
2471	Middle & South America	Cuba	CUB/S 101/03	Development Study on the Improvement of the Sewerage and Drainage System for the Havana Bay in the Republic of Cuba	M/P	Environmental Problems	In Progress or In Use
2473	Middle & South America	Dominican Republic	DOM/A 301/81	Proyecto del desarrollo agricola del area Agripo (El Pozo)	F/S	(Agriculture in) General	Completed
2475	Middle & South America	Dominican Republic	DOM/S 301/85	Radio and Television Development Project	F/S	Broadcasting	Completed
2477	Middle & South America	Dominican Republic	DOM/A 302/86	Aguacate-Guayabo Agricultural Development Project	F/S	(Agriculture in) General	Implementing
2479	Middle & South America	Dominican Republic	DOM/S 201B/87	Development Project of the San Pedro de Macoris	M/P+F/S	Port	Discontinued or Cancelled
2481	Middle & South America	Dominican Republic	DOM/A 303/90	Constanza Valley Irrigation Project	F/S	(Agriculture in) General	Completed
2483	Middle & South America	Dominican Republic	DOM/S 501/92	Groundwater Development Project in The Western Region	Basic Study	Water Resources Development	In Progress or In Use
2485	Middle & South America	Dominican Republic	DOM/A 304/95	Limon del Yuna Area Agricultural Development	F/S	(Agriculture in) General	Partially Completed
2487	Middle & South America	Dominican Republic	DOM/A 227/99	Integrated Rural Development Project of Yaque Del Sur River Basin	M/P+F/S	(Agriculture in) General	Promoting
2489	Middle & South America	Dominican Republic	DOM/S 222/01	Improvement of Sewage System and Environment in the City of Santiago	M/P+F/S	Sewerage	Promoting
2491	Middle & South America	Dominican Republic	DOM/A 108/02	The Master Plan Study on Watershed Management in the Upper Area of the Sabana Yegua Dam	M/P	Forestry & Forest Conservation	In Progress or In Use
2493	Middle & South America	Dominican Republic	DOM/S 101/03	The Study on the Integrated Rural Development of Former Sugercane Plantation Area and the Pilot Project of La Luisa, Monte Plata Province in the Dominican Republic	M/P+F/S	Urban Planning & Land Development	Promoting
2495	Middle & South America	Ecuador	ECU/A 301/82	Proyecto Catarama de Desarrollo Agricola	F/S	(Agriculture in) General	Implementing
2497	Middle & South America	Ecuador	ECU/S 201B/86	Guayaquil City Urban Transportation Plan	M/P+F/S	Urban Transportation	Discontinued or Cancelled
2499	Middle & South America	Ecuador	ECU/A 501/88	Survey for Forest Inventory in the Northeastern Region	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2501	Middle & South America	Ecuador	ECU/A 302/91	Small-Scale Fishing Port Development Project in Manabi Province	F/S	Fishery	Promoting
2503	Middle & South America	Ecuador	ECU/S 303/92	Water Resources Development for Chone-Portoviejo River Basins	F/S	Water Resources Development	Implementing
2505	Middle & South America	Ecuador	ECU/A 304/94	Tumbabiro Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
2507	Middle & South America	Ecuador	ECU/S 401/94	Detailed Design Study on the Water Transbasin Schemes for Chone-Portoviejo River Basins	D/D	Water Resources Development	Implementing
2509	Middle & South America	Ecuador	ECU/S 202/95	Extension of Guayaquil Port	M/P+F/S	Port	Promoting
2511	Middle & South America	Grenada	GRD/S 303/97	Road Rehabilitation and Improvement	F/S	Road	Implementing
2513	Middle & South America	Guatemala	GTM/S 201B/84	Flood Control Project (Archiguate and Pantaleon Rivers)	M/P+F/S	River & Erosion Control	Promoting
2515	Middle & South America	Guatemala	GTM/S 501/86	Ground Water Development Project	Basic Study	Water Resources Development	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2517	Middle & South America	Guatemala	GTM/S 301/88	Development Project of the Port of Santo Tomas de Castilla	F/S	Port	Partially Completed
2519	Middle & South America	Guatemala	GTM/A 301/88	Monjas Irrigation Project	F/S	(Agriculture in) General	Promoting
2521	Middle & South America	Guatemala	GTM/S 302/89	Development Project of La Aurora and Santa Elena Airports	F/S	Air Transportation & Airport	Partially Completed
2523	Middle & South America	Guatemala	GTM/S 101/91	Comprehensive Urban Transportation System in Guatemala Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
2525	Middle & South America	Guatemala	GTM/S 202B/91	Solid Waste Management in Metropolitan Area of Guatemala City	M/P+F/S	Urban Sanitation	Partially Completed
2527	Middle & South America	Guatemala	GTM/A 101/92	Integrated Agricultural and Rural Development Project in Jutiapa	M/P	(Agriculture in) General	In Progress or In Use
2529	Middle & South America	Guatemala	GTM/S 203/95	Groundwater Development in the Central Plateau Area	M/P+F/S	Water Resources Development	Completed
2531	Middle & South America	Guatemala	GTM/A 106/96	Forest Management in Baja Verapaz	M/P	Forestry & Forest Conservation	In Progress or In Use
2533	Middle & South America	Guatemala	GTM/S 219/96	Improvement of Wastewater Management in the Guatemala Metropolitan Area	M/P+F/S	Sewerage	Promoting
2535	Middle & South America	Guatemala	GTM/S 313/96	Comprehensive Urban Transportation System in the Metropolitan Area	F/S	Urban Transportation	Implementing
2537	Middle & South America	Guatemala	GTM/A 109/02	Master Plan Study on Sustainable Rural Development for the Reduction of Poverty in the Central Highland Region of the Republic of Guatemala	M/P	(Agriculture in) General	In Progress or In Use
2539	Middle & South America	Guatemala	GTM/S 221/02	The Study of National Tourism Development for the Republic of Guatemala	M/P+F/S	(Tourism in) General	Promoting
2541	Middle & South America	Guatemala	GTM/S 501/03	The Study for Establishment of Base Maps and Hazard Maps for GIS in the Republic of Guatemala	Basic Study	Survey & Mapping	In Progress or In Use
2543	Middle & South America	Honduras	HND/A 301/78	Agricultural Development in the Choluteca River Basin	F/S	(Agriculture in) General	Promoting
2545	Middle & South America	Honduras	HND/S 301/79	New Tegucigalpa Airport Development	F/S	Air Transportation & Airport	Discontinued or Cancelled
2547	Middle & South America	Honduras	HND/A 501/83	Inventario Forestal del Distrito Forestal de La Mosquitia	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2549	Middle & South America	Honduras	HND/A 502/83	Fisheries Resources Survey	Basic Study	Fishery	In Progress or In Use
2551	Middle & South America	Honduras	HND/A 302/84	Choluteca River Basin Agricultural Development Project (Updating Study)	F/S	(Agriculture in) General	Delayed or Suspended
2553	Middle & South America	Honduras	HND/A 303/85	Aguan Valley Agricultural Development Project (Saba-Olanchito Area)	F/S	(Agriculture in) General	Discontinued or Cancelled
2555	Middle & South America	Honduras	HND/S 501/89	Groundwater Development Project in Comayagua	Basic Study	Water Resources Development	In Progress or In Use
2557	Middle & South America	Honduras	HND/A 304/90	Rehabilitation of Coyolar Dam and Irrigation Improvement Project in Comayagua Valley	F/S	Irrigation, Drainage & Reclamation	Completed
2559	Middle & South America	Honduras	HND/S 102/92	Rural Telecommunications Network Project	M/P	Telecommunication	Discontinued or Cancelled
2561	Middle & South America	Honduras	HND/S 213/93	Erosion and Sediment Control in the Pilot River Basin, Choloma, San Pedro Sula, Cortes	M/P+F/S	River & Erosion Control	Partially Completed
2563	Middle & South America	Honduras	HND/S 214/93	Improvement of the Ports	M/P+F/S	Port	Partially Completed
2565	Middle & South America	Honduras	HND/A 305/94	Irrigated Agricultural Development Project in Jesus de Otoro, Intibuca Department	F/S	Irrigation, Drainage & Reclamation	Promoting
2567	Middle & South America	Honduras	HND/S 119/96	Maintenance Project of the Vehicle Traffic System in Teguchigalpa	M/P	Urban Transportation	In Progress or In Use
2569	Middle & South America	Honduras	HND/S 123/96	The Study on the Strategies and Plans for the Upgrading of Health Status	M/P	Others	In Progress or In Use
2571	Middle & South America	Honduras	HND/A 501/96	Forest Resources Management and Development Study in Teupassenti	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2573	Middle & South America	Honduras	HND/A 113/97	Small Scale Fisheries Development Project on the North Coast	M/P	Fishery	In Progress or In Use
2575	Middle & South America	Honduras	HND/S 208/00	Study on Water Supply for Tegucigalpa Urban Area in the Republic of Honduras	M/P+F/S	Water Supply	Promoting
2577	Middle & South America	Honduras	HND/S 222/02	The Study on flood control and landslide prevention in the metropolitan area of the Republic of Honduras	M/P+F/S	Disaster Relief	Promoting
2579	Middle & South America	Jamaica	JAM/A 301/85	Agricultural Development Project on the Black River Lower Morass	F/S	(Agriculture in) General	Discontinued or Cancelled
2581	Middle & South America	Jamaica	JAM/A 302/87	Modernization and Expansion of the Rio Cobre Irrigation Scheme	F/S	(Agriculture in) General	Implementing
2583	Middle & South America	Mexico	MEX/S 601/77	Mexico City Suburban Railways Construction Project	Other Studies	Railway	Discontinued or Cancelled

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2585	Middle & South America	Mexico	MEX/S 602/79	Suburban Railways Project (Follow-Up)	Other Studies	Railway	In Progress or In Use
2587	Middle & South America	Mexico	MEX/S 603/81	Proyecto de Electrificacion de la Linea de Mexico a Irapuato	Other Studies	Railway	In Progress or In Use
2589	Middle & South America	Mexico	MEX/S 604/82	Development Plan of Industrial Ports	Other Studies	Integrated Regional Development Plan	In Progress or In Use
2591	Middle & South America	Mexico	MEX/S 301/83	Guanajuato New Railway Development Project	F/S	Railway	Discontinued or Cancelled
2593	Middle & South America	Mexico	MEX/S 302/83	Development Project of the Industrial Port of Tuxpan	F/S	Port	Discontinued or Cancelled
2595	Middle & South America	Mexico	MEX/S 303/85	Development Project of the Port of Manzanillo	F/S	Port	Completed
2597	Middle & South America	Mexico	MEX/S 304/87	Repair Dockyard in Lazaro Cardenas	F/S	Marine Transportation & Ships	Discontinued or Cancelled
2599	Middle & South America	Mexico	MEX/S 605/88	Air Pollution Control Plan in the Federal District	Other Studies	Environmental Problems	In Progress or In Use
2601	Middle & South America	Mexico	MEX/S 305/90	Improvement of the Pacific Coast Ports	F/S	Port	Completed
2603	Middle & South America	Mexico	MEX/S 306/94	Wastewater Treatment in the Federal District of Mexico	F/S	Sewerage	Processing
2605	Middle & South America	Mexico	MEX/A 101/95	Integrated Agriculture, Livestock and Rural Development in the Coast of Jalisco	M/P	(Agriculture in) General	In Progress or In Use
2607	Middle & South America	Mexico	MEX/S 120/96	Determination of the Investment Strategy for the Tourist Promotion	M/P	(Tourism in) General	In Progress or In Use
2609	Middle & South America	Mexico	MEX/A 225/98	Sustainable Development Plan of Forests at Villages in Oaxaca	M/P+F/S	Forestry & Forest Conservation	Processing
2611	Middle & South America	Mexico	MEX/S 112/99	Study on Development of the National Water Quality Monitoring Program in Coastal Areas	M/P	Environmental Problems	In Progress or In Use
2613	Middle & South America	Mexico	MEX/A 118/99	Integrated Agricultural , Livestock and Rural Development of the Soconusco Region (the Rural Development District No. 8 in Tapachula) in Chiapas	M/P	(Agriculture in) General	In Progress or In Use
2615	Middle & South America	Mexico	MEX/S 217/99	Study on Solid Waste Management for Mexico City	M/P+F/S	Urban Sanitation	Implementing
2617	Middle & South America	Mexico	MEX/S 101/04	Development Study of Environmental Management in the Caribbean Coast of Quintana Roo	M/P	Environmental Problems	In Progress or In Use
2619	Middle & South America	Nicaragua	NIC/S 306/93	Water Supply Project in Managua	F/S	Water Resources Development	Partially Completed
2621	Middle & South America	Nicaragua	NIC/S 201/94	Road Improvement and Rehabilitation Study	M/P+F/S	Road	Partially Completed
2623	Middle & South America	Nicaragua	NIC/S 202/95	Improvement of the Solid Waste Management System for the City of Managua	M/P+F/S	Urban Sanitation	Implementing
2625	Middle & South America	Nicaragua	NIC/S 215/97	Sanitation and Improvement of Urban Environment of Principal Cities	M/P+F/S	(Public Utilities in) General	Promoting
2627	Middle & South America	Nicaragua	NIC/S 108/98	Comprehensive Transportation Plan in the Municipality of Managua	M/P	Road	In Progress or In Use
2629	Middle & South America	Nicaragua	NIC/A 205/00	The study on Agricultural Development for the Region 2 and 4 in the Pacific Coast	M/P+F/S	(Agriculture in) General	Promoting
2631	Middle & South America	Nicaragua	NIC/S 223/02	The Study on Vulnerability Reduction for Major Roads in the Republic of Nicaragua	M/P+F/S	Road	Promoting
2633	Middle & South America	Nicaragua	NIC/S 101/04	The Maser Plan Study on Forest Management for Disaster Prevention in the Northern Pacific Region in the Republic of Nicaragua	M/P	Disaster Relief	In Progress or In Use
2635	Middle & South America	Panama	PAN/S 501/81	Topographic Mapping Project of the Caribbean Coastal Area	Basic Study	Survey & Mapping	In Progress or In Use
2637	Middle & South America	Panama	PAN/A 501/83	Fisheries Resources Survey of the Atlantic Coast	Basic Study	Fishery	In Progress or In Use
2639	Middle & South America	Panama	PAN/S 301/84	Short-Wave Broadcast Station Project	F/S	Broadcasting	Discontinued or Cancelled
2641	Middle & South America	Panama	PAN/S 302/84	Urban Transport Project in the Panama Metropolitan Area (ESTAMPA II)	F/S	Urban Transportation	Partially Completed
2643	Middle & South America	Panama	PAN/A 502/84	Survey for the Forest Inventory	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2645	Middle & South America	Panama	PAN/S 303/87	Corredor Sur Development Project in the Panama Metropolitan Area (ESTAMPA III)	F/S	Urban Transportation	Implementing
2647	Middle & South America	Panama	PAN/S 215/93	Rehabilitation Plan and Container Terminal Operation Plan at the Port of Cristobal	M/P+F/S	Port	Partially Completed
2649	Middle & South America	Panama	PAN/S 307/93	Study of Alternatives to the Panama Canal	F/S	Marine Transportation & Ships	Promoting
2651	Middle & South America	Panama	PAN/S 308/93	Improvement of Panama-Colon Highway	F/S	Road	Partially Completed

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2653	Middle & South America	Panama	PAN/S 201/95	Development of Tourism in the Coastal Area	M/P+F/S	(Tourism in) General	Partially Completed
2655	Middle & South America	Panama	PAN/S 216/97	Development Plan of the Port of Balboa	M/P+F/S	Port	Partially Completed
2657	Middle & South America	Panama	PAN/S 224/02	The Study on Solid Waste Management Plan for Municipality of Panama in the Republic of Panama	M/P+F/S	Urban Sanitation	Promoting
2659	Middle & South America	Panama	PAN/S 101/04	The study on the Comprehensive Ports Development Plan	M/P	Marine Transportation & Shipping	In Progress or In Use
2661	Middle & South America	Peru	PER/A 301/77	Proyecto de la Construccion del Complejo Pesquero del Centro	F/S	Fishery	Promoting
2663	Middle & South America	Peru	PER/S 201B/83	Development Project of the Port of Callao	M/P+F/S	Port	Implementing
2665	Middle & South America	Peru	PER/A 302/84	Chancay-Huaral Valley Rehabilitation Project	F/S	(Agriculture in) General	Partially Completed
2667	Middle & South America	Peru	PER/S 202B/86	Development Project of Jorge Chavez Lima-Callao International Airport	M/P+F/S	Air Transportation & Airport	Partially Completed
2669	Middle & South America	Peru	PER/S 501/86	Topographic Mapping Project for Satipo Area, Department of Junin	Basic Study	Survey & Mapping	In Progress or In Use
2671	Middle & South America	Peru	PER/S 101/87	Disaster Prevention Project in the Rimac River Basin	M/P	River & Erosion Control	In Progress or In Use
2673	Middle & South America	Peru	PER/S 301/89	Improvement of Sewerage System in Southern Part of Lima	F/S	Sewerage	Implementing
2675	Middle & South America	Peru	PER/A 201B/90	Fisheries Development Plan of the Fishing Port Construction in the Central Coast of Peru	M/P+F/S	Fishery	Promoting
2677	Middle & South America	Peru	PER/S 502/92	The Topographic Mapping of Lima Metropolitan Area	Basic Study	Survey & Mapping	In Progress or In Use
2679	Middle & South America	Peru	PER/S 218/99	The Study on the Integrated Water Pollution Control for Puno Interior Bay of Lake Titicaca	M/P+F/S	Environmental Problems	Partially Completed
2681	Middle & South America	Peru	PER/S 117/00	The Master of Plan Study on National Tourism Development in the Republic of Peru (Phase II)	M/P	(Tourism in) General	In Progress or In Use
2683	Middle & South America	Paraguay	PRY/S 601/76	La Colmena Highway (Follow-Up)	Other Studies	Road	In Progress or In Use
2685	Middle & South America	Paraguay	PRY/S 301/78	Fleet Expansion Project	F/S	Marine Transportation & Shipping	Completed
2687	Middle & South America	Paraguay	PRY/S 302/79	New Airport Construction Project in Ciudad Presidente Stroessner	F/S	Air Transportation & Airport	Completed
2689	Middle & South America	Paraguay	PRY/A 301/82	Northwest Lake Ypoa Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2691	Middle & South America	Paraguay	PRY/S 201B/83	National Telecommunications & Broadcasts Development Project	M/P+F/S	(Comms. & Broad. in) General	Completed
2693	Middle & South America	Paraguay	PRY/A 501/83	Forest Inventory in the Northeastern Region	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2695	Middle & South America	Paraguay	PRY/A 101/84	Irrigation and Drainage Project in the Adjacent Area to the Yacyreta Dam	M/P	(Agriculture in) General	In Progress or In Use
2697	Middle & South America	Paraguay	PRY/A 302/84	Survey for the Afforestation Project in Capiibary	F/S	Forestry & Forest Conservation	Completed
2699	Middle & South America	Paraguay	PRY/S 101/86	The Transportation Facilities Improvement Project of the Asuncion Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
2701	Middle & South America	Paraguay	PRY/S 202B/86	Storm Drainage System Improvement Project in Asuncion City	M/P+F/S	River & Erosion Control	Partially Completed
2703	Middle & South America	Paraguay	PRY/A 102/87	The Principal Grain Production Increase Project in the Central Area of the Department of Itapua	M/P	(Agriculture in) General	In Progress or In Use
2705	Middle & South America	Paraguay	PRY/S 303/88	Transportation Facilities Improvement Project of the Asuncion Metropolitan Area	F/S	Urban Transportation	Partially Completed
2707	Middle & South America	Paraguay	PRY/S 102/89	Water Pollution Control Plan for the Lake Ypacarai and its Basin	M/P	Environmental Problems	In Progress or In Use
2709	Middle & South America	Paraguay	PRY/A 303/89	Integrated Rural Infrastructure Improvement Project in La Colmena	F/S	(Agriculture in) General	Completed
2711	Middle & South America	Paraguay	PRY/S 103/91	National Transport Master Plan	M/P	(Transportation in) General	In Progress or In Use
2713	Middle & South America	Paraguay	PRY/S 216/93	The Establishment of Educational Television Broadcasting Network	M/P+F/S	Broadcasting	Promoting
2715	Middle & South America	Paraguay	PRY/A 103/94	Integrated Agricultural and Livestock Development Project at Lower Chaco	M/P	(Agriculture in) General	In Progress or In Use
2717	Middle & South America	Paraguay	PRY/S 203/94	Solid Waste Management for Metropolitan Area of Asuncion	M/P+F/S	Urban Sanitation	Partially Completed
2719	Middle & South America	Paraguay	PRY/A 107/96	Cooperation Program for the Small Scale Agriculture	M/P	(Agriculture in) General	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2721	Middle & South America	Paraguay	PRY/S 314/96	Arterial Road Development Project	F/S	Road	Implementing
2723	Middle & South America	Paraguay	PRY/S 113/99	The Aftercare Study on Urban Transportation Planning in Asuncion Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
2725	Middle & South America	Paraguay	PRY/S 311/99	The Feasibility Study for the Improvement of the National Road Route 2 and Route 7	F/S	Road	Promoting
2727	Middle & South America	Paraguay	PRY/S 103/00	The Study on Economic Development of the Republic of Paraguay	M/P	(Development Plan in) General	In Progress or In Use
2729	Middle & South America	Paraguay	PRY/A 131/01	The Study on Reforestation Plan in the Eastern Region of Paraguay	M/P	Forestry & Forest Conservation	In Progress or In Use
2731	Middle & South America	El Salvador	SLV/A 105/96	Integrated Agricultural Development Project in the Jiboa River Basin	M/P	(Agriculture in) General	In Progress or In Use
2733	Middle & South America	El Salvador	SLV/S 214/97	Comprehensive Flood Control and Water Resources Development for the Rio Grande de San Miguel	M/P+F/S	River & Erosion Control	Promoting
2735	Middle & South America	El Salvador	SLV/S 214/98	Port Reactivation in the Union Province	M/P+F/S	Port	Processing
2737	Middle & South America	El Salvador	SLV/S 105/00	The Study on Regional Solid Waste Management for San Salvador Metropolitan Area in the Republic of El Salvador	M/P	Urban Sanitation	In Progress or In Use
2739	Middle & South America	El Salvador	SLV/S 504/01	The Study for Establishment of National Basic Geographic Data	Basic Study	Survey & Mapping	In Progress or In Use
2741	Middle & South America	El Salvador	SLV/A 110/02	The Masterplan Study on Artisanal Fishery Development in the Republic of El Salvador	M/P	Fishery	In Progress or In Use
2743	Middle & South America	El Salvador	SLV/S 403/02	Technical Evaluation and Appraisal for Detailed Design on Port Reactivation Plan of La Union Province in El Salvador	D/D	Port	Processing
2745	Middle & South America	El Salvador	SLV/S 101/03	The Study on Economic Development, focusing on Eastern Region in the Republic of El Salvador	M/P	Integrated Regional Development Plan	In Progress or In Use
2747	Middle & South America	El Salvador	SLV/S 101/04	The Study on Economic Development, Focusing on Eastern Region in the Republic of El Salvador	M/P	Integrated Regional Development Plan	In Progress or In Use
2749	Middle & South America	Trinidad and Tobago	TTO/S 201B/91	Improvement of Water Supply Supervisory System	M/P+F/S	Water Supply	Delayed or Suspended
2751	Middle & South America	Uruguay	URY/A 101/87	Survey for the Establishment of Tree Plantation and Utilization of Timber	M/P	Forestry & Forest Conservation	In Progress or In Use
2753	Middle & South America	Uruguay	URY/S 301/89	Development Plan of the International Airport of Carrasco	F/S	Air Transportation & Airport	Discontinued or Cancelled
2755	Middle & South America	Uruguay	URY/A 301/90	National Reforestation Plan	F/S	Forestry & Forest Conservation	Completed
2757	Middle & South America	Uruguay	URY/S 302/92	Development of New Port Terminals at Montevideo Port	F/S	Port	Promoting
2759	Middle & South America	Bolivarian Republic of Venezuela	VEN/S 101/80	Design on Cargo Handling Equipments	M/P	Port	Discontinued or Cancelled
2761	Middle & South America	Bolivarian Republic of Venezuela	VEN/S 201B/89	Chama River Basin Conservation Project	M/P+F/S	River & Erosion Control	Completed
2763	Middle & South America	Bolivarian Republic of Venezuela	VEN/S 111/93	Comprehensive Improvement of the Apure River Basin	M/P	River & Erosion Control	In Progress or In Use
2765	Middle & South America	Bolivarian Republic of Venezuela	VEN/S 217/97	Environmental Improvement Program of the Upper and Middle Stream of the Tuy River Basin	M/P+F/S	Environmental Problems	Implementing
2767	Middle & South America	Bolivarian Republic of Venezuela	VEN/S 203/00	The Study on Integrated River Improvement of the Orinoco River in the Republic of Venezuela	M/P+F/S	River & Erosion Control	Promoting
2769	Middle & South America	Bolivarian Republic of Venezuela	VEN/S 201/04	The Study on Disaster prevention basic plan in the Caracas Metropolitan Major District	M/P+F/S	Meteorology & Seismology	Promoting
2771	Oceania	Cook Islands	COK/S 201B/92	Coastal Protection and Port Improvement	M/P+F/S	(Development Plan in) General	Promoting
2773	Oceania	Cook Islands	COK/S 202/94	Additional Study on Coastal Protection and Port Improvement	M/P+F/S	Port	Promoting
2775	Oceania	Republic of the Fiji Islands	FJI/A 501/78	Analytical Survey of Coconut Forests in Taveuni Island	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2777	Oceania	Republic of the Fiji Islands	FJI/A 502/82	The Survey for Forest Development in Fiji	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2779	Oceania	Republic of the Fiji Islands	FJI/A 503/87	Fisheries Resources Survey in Fiji and Tuvalu	Basic Study	Fishery	In Progress or In Use
2781	Oceania	Republic of the Fiji Islands	FJI/S 201/95	North Viti Levu Groundwater Development Project	M/P+F/S	Water Resources Development	Delayed or Suspended
2783	Oceania	Republic of the Fiji Islands	FJI/S 215/98	Watershed Management and Flood Control for Four Major Viti Levu Rivers	M/P+F/S	River & Erosion Control	Delayed or Suspended
2785	Oceania	Republic of the Fiji Islands	FJI/S 503/98	The Preparation of Nautical Charts in the Northern Lau Islands Region	Basic Study	Survey & Mapping	In Progress or In Use
2787	Oceania	Kiribati	KIR/A 501/78	Fishery Resources in the Gilbert Islands	Basic Study	Fishery	In Progress or In Use

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2789	Oceania	Kiribati	KIR/S 201/94	Ports Development in Kiribati	M/P+F/S	Port	Implementing
2791	Oceania	Palau	PLW/S 119/00	Development Study for Promotion of Local Economy in the Republic of Palau	M/P	Integrated Regional Development Plan	In Progress or In Use
2793	Oceania	Papua New Guinea	PNG/A 301/77	Fishing Base Construction Project	F/S	Fishery	Discontinued or Cancelled
2795	Oceania	Papua New Guinea	PNG/S 301/89	Rural Telecommunication Development Plan in Papua New Guinea	F/S	Telecommunication	Discontinued or Cancelled
2797	Oceania	Papua New Guinea	PNG/S 401/89	Detailed Design on Road Construction Project in Bereina-Malalaua	D/D	Road	Completed
2799	Oceania	Papua New Guinea	PNG/S 302/91	Tokua Airport Development Project	F/S	Air Transportation & Airport	Completed
2801	Oceania	Papua New Guinea	PNG/S 217/93	Port Moresby Water Supply Development Plan	M/P+F/S	Water Supply	Partially Completed
2803	Oceania	Papua New Guinea	PNG/S 216/98	Sewerage System of Port Moresby	M/P+F/S	Sewerage	Promoting
2805	Oceania	Papua New Guinea	PNG/S 132/01	Investigation and Development of Underground Water Sources for Water Supply Project	M/P	Water Supply	In Progress or In Use
2807	Oceania	Solomon Islands	SLB/S 301/79	Telecommunication Trunk Network Construction Project	F/S	Telecommunication	Discontinued or Cancelled
2809	Oceania	Solomon Islands	SLB/S 302/91	Development Project of Henderson International Airport	F/S	Air Transportation & Airport	Partially Completed
2811	Oceania	Solomon Islands	SLB/A 201/94	Development Study on Improvement of Nationwide Fish Marketing System	M/P+F/S	Fishery	Partially Completed
2813	Oceania	Samoa	SMA/S 201B/87	Development of the Ports in Western Samoa	M/P+F/S	Port	Completed
2815	Oceania	Samoa	SMA/S 217/98	Improvement of Apia Port	M/P+F/S	Port	Completed
2817	Europe	Albania	ALB/S 304/97	Sewerage System in Metropolitan Tirana	F/S	Sewerage	Promoting
2819	Europe	Bulgaria	BGR/S 201/94	Solid Waste Management for the Territory of the Sofia Greater Municipality	M/P+F/S	Urban Sanitation	Implementing
2821	Europe	Bulgaria	BGR/S 107/97	Long Term Management of Bulgarian Railways	M/P	Railway	In Progress or In Use
2823	Europe	Bulgaria	BGR/A 318/97	Project for Agricultural Reform	F/S	(Agriculture in) General	Implementing
2825	Europe	Bulgaria	BGR/S 218/98	Environmental Management for Water Pollution Control in Maritza River Basin	M/P+F/S	Environmental Problems	Processing
2827	Europe	Bosnia-Herzegovina	BHG/S 312/99	Feasibility Study on the Waste Water Treatment Plant of Sarajevo City	F/S	Sewerage	Delayed or Suspended
2829	Europe	Bosnia-Herzegovina	BHG/S 108/00	The Study on the Transport Masterplan in Bosnia and Herzegovina	M/P	(Transportation in) General	In Progress or In Use
2831	Europe	Greece	GRC/S 601/89	Tourism Promotion	Other Studies	(Tourism in) General	In Progress or In Use
2833	Europe	Hungary	HUN/S 218/93	Municipal Solid Waste Management in Budapest	M/P+F/S	Urban Sanitation	Delayed or Suspended
2835	Europe	Hungary	HUN/S 101/94	Integrated Air Pollution Control Plan for Sajo Valley Area	M/P	Environmental Problems	In Progress or In Use
2837	Europe	Hungary	HUN/S 209/98	The study on the Environmental Improvement of Lake Balaton in the Republic of Hungary	M/P+F/S	Environmental Problems	Promoting
2839	Europe	Macedonia	MKD/S 114/99	The Study on Air Pollution Monitoring System	M/P	Environmental Problems	In Progress or In Use
2841	Europe	Macedonia	MKD/S 115/99	Master Plan Study on Integrated Water Resources Development and Management	M/P	Water Resources Development	In Progress or In Use
2843	Europe	Poland	POL/S 101/92	National Transport Plan	M/P	(Transportation in) General	In Progress or In Use
2845	Europe	Poland	POL/S 219/93	Solid Waste Management for Poznan City	M/P+F/S	Urban Sanitation	Delayed or Suspended
2847	Europe	Poland	POL/S 108/97	Privatization of Polish State Railways	M/P	Railway	In Progress or In Use
2849	Europe	Poland	POL/S 115/98	Integrated Regional Development of Konin Province in Poland	M/P	Integrated Regional Development Plan	In Progress or In Use
2851	Europe	Poland	POL/S 101/04	Feasibility Study on Polish State Railways S.A. (PKP S.A.) Pravitization in Poland	M/P	Railway	In Progress or In Use
2853	Europe	Romania	ROM/S 201/95	Solid Waste Management System for Bucharest Municipality	M/P+F/S	Urban Sanitation	Partially Completed
2855	Europe	Romania	ROM/A 301/95	Irrigation Project in Ruginesti-Pufesti-Panciu District Vrancea	F/S	(Agriculture in) General	Implementing

List of Study

Page	Region	Country	Study ID	Name of Study	Type of Study	Field	Status
2857	Europe	Romania	ROM/S 111/98	Master Plan for Environmental Water Management on the Prahova River Basin	M/P	Environmental Problems	In Progress or In Use
2859	Europe	Romania	ROM/S 220/99	The Comprehensive Urban Transport Study of Bucharest City and its Metropolitan Area	M/P+F/S	Urban Transportation	Implementing
2861	Europe	Romania	ROM/S 313/99	Feasibility Study on Wastewater Treatment along the Danube River Downstream Reach	F/S	Sewerage	Implementing
2863	Europe	Romania	ROM/A 317/99	Forests Restoration in Romanian Plain	F/S	Forestry & Forest Conservation	Delayed or Suspended
2865	Europe	Romania	ROM/S 223/01	Feasibility Study on the Development Project of the Port of Constantza	M/P+F/S	Port	Partially Completed
2867	Europe	Slovakia	SVK/S 116/99	The Study on Regional Environmental Management Plan for the Hron River Basin	M/P	Environmental Problems	In Progress or In Use
2869	Europe	Slovakia	SVK/A 111/02	The Study for Sustainable Development of Agriculture in Zahorska Lowland and Protection of Natural Resources in Slovak Republic	M/P	(Agriculture in) General	In Progress or In Use
2871	Europe	Croatia	CRO/S 224/01	Study on Water Pollution Reduction at the River Sava Basin	M/P+F/S	Urban Sanitation	Promoting
2873	Europe	Latvia	LAT/S 112/00	Study on Environmental Management Plan for Lubana Wetland Complex in the Republic of Latvia	M/P	Environmental Problems	In Progress or In Use
2875	Europe	Lithuania	LTU/S 309/98	Sewerage System Improvement of Birzai and Skuodas town	F/S	Sewerage	Partially Completed
2877	Europe	Lithuania	LTU/S 201/04	The Study for the Port Development Project in Lithuania	M/P+F/S	Port	Promoting
2879	Europe	Moldova	MLD/S 225/02	The Study on Water Supply System in the Northern Region in the Republic of Moldova	M/P+F/S	Water Resources Development	Processing
2881	Plural countries	Plural countries	PLU/S 101/77	Establishment of Electronic and Navigational Aid Systems Project	M/P	Transportation & Marine	In Progress or In Use
2883	Plural countries	Plural countries	PLU/S 501/78	ASEAN Submarine Cable Project: Thailand-Malaysia-Singapore Route	Basic Study	Telecommunication	In Progress or In Use
2885	Plural countries	Plural countries	PLU/S 502/78	Joint Hydrographic Survey in Malacca and Singapore Straits (One Fathom Bank Area)	Basic Study	Transportation & Marine	In Progress or In Use
2887	Plural countries	Plural countries	PLU/S 301/79	Construction of Indo-Chinese Refugee Camps	F/S	Architecture & Housing	Discontinued or Cancelled
2889	Plural countries	Plural countries	PLU/S 503/82	Joint Production of Common Datum Charts of the Straits of Malacca and Singapore	Basic Study	Survey & Mapping	In Progress or In Use
2891	Plural countries	Plural countries	PLU/S 504/84	Medan (Indonesia) - Colombo (Sri Lanka) Submarine Cable Project	Basic Study	Telecommunication	In Progress or In Use
2893	Plural countries	Plural countries	PLU/S 306/97	Proposed New Bridge over the Zambezi River at Chirundu Border Post	F/S	Road	Partially Completed
2895	Plural countries	Plural countries	PLU/S 504/98	The Four Nation Joint Re-Survey of Critical Areas and Investigation of Dangerous/Uncinformed Shoals and Wrecks in the Straits of Malacca and Singapore	Basic Study	Survey & Mapping	In Progress or In Use
2897	Plural countries	Plural countries	PLU/S 402/00	The Detailed Design of the Second Mekong International Bridge Construction Project in the Lao People's Democratic Republic and The Kingdom of Thailand	D/D	Road	Implementing
2899	Plural countries	Plural countries	PLU/S 111/01	The Integrated Development Plan for the Border Region in Thailand and Lao PDR	M/P	Integrated Regional Development Plan	In Progress or In Use
2901	Plural countries	Plural countries	PLU/S 225/01	Scholarship Program for International Students Studying in Japan at Their Own Expense	M/P+F/S	Education	Implementing
2903	Plural countries	Plural countries	PLU/S 304/01	Feasibility Study on the Kazungula Bridge over the Zambezi River between the Republic of Botswana and the Republic of Zambia	F/S	Road	Delayed or Suspended
2905	Plural countries	Plural countries	PLU/S 101/03	The Study on Hydro-meteorological Monitoring for Water Quantity rules	M/P	River & Erosion Control	In Progress or In Use

STUDY SUMMARY SHEET

(Other Studies)

ASE BRN/S 601/83

1. COUNTRY	Brunei		
2. NAME OF STUDY	Improvement of Brunei Government Printing Department		
3. SECTOR	Social Infrastructure / Architecture & Housing		
4. TYPE OF STUDY	Other Studies		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Government Printing Dept.	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Kokuyo Co., Ltd.		
7. STUDY PERIOD	Sep.1983 ~ Jan.1984 4month(s) ~		
8. SITE OR AREA			
9. MAJOR PROPOSED PROJECT(S)			
<p>The Printing Department has been producing about 70% of governmental printed matters. The production has been increasing at an annual rate of 20%. Taking the 1982 index as 100, the order will grow 2.5 times by 1987. Then, taking into considerations several problems confronted by Printing Department and estimated future demand, proposals for addition of facilities and equipment and for improving management and administration will be presented in a specific manner:</p> <p>(1) Plan for introduction of New Facilities;</p> <p>Judging from the current production growth rate in the Printing Department, the production of Monocolor printing will be estimated by 7,680,000 m²/year against the installed capacity of 7,370,000 m²/year and Color Printing will be estimated by 12,330,000 m²/year against the installed capacity of 3,390,000 m²/year.</p> <p>So, the supply and demand of Monocolor Printing is well balanced, but the capacity of Color Printing is in short by 3.5 times from the supply. Color printing machines (offset printing machines) will be further needed.</p> <p>Together with the color printing machines, Binding machines and Graphic reproduction will be needed.</p> <p>List of machine to be added;</p> <ul style="list-style-type: none"> - Sheeted offset printing machine 4 sets - Binding machines and the related 7 sets - Color Scanner for graphic reproduction 1 set <p>Total in Amount : B\$4,445,000.- (Yen 545,000,000.-)</p> <p>(2) Personnel Plan;</p> <p>The increases in the capacity of installed machinery and production require additional operators and indirect workers. Thus, operators and other workers will be increased from the preset 128 to about 185.</p> <p>(3) Administration Improvement;</p> <p>To ensure smooth operation of the grouped by production process and to improve production efficiency, the following are proposed.</p> <ul style="list-style-type: none"> (i) To hold production conference (ii) To establish efficiency improvement committee (iii) To establish quality and control committee 			

印刷局改善計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

Reasons for Stoppage:

(FY1991 Overseas Survey)

The JICA report did not include the provision of new buildings but recommended that the existing building be modified. This recommendation was not taken up because any modifications would have put the printing section out of action for a year. Discussions were held with the Ministries of Development and of Finance at that time and expansion plans for the buildings and equipment were approved, and in due course implemented.

Background:

(FY 1991 Overseas Survey)

Current volume of production exceeded the projections of the JICA report by about 3-4 times, and the market value of printing undertaken by the Dept. increased from between B\$3-4 million to B\$9 million. The floor space roughly tripled and the Dept. currently employs 300 persons. Since the JICA study, some 20 employees (mainly operational and supervising staff) have been sent to Germany and the United Kingdom for training in factories or to take up relevant professional courses for instructors. The Dept. now has its own in-plant training program in printing skills. In view of the countries where the staff were sent for training, most of the machinery and equipment currently used are from the European countries. The Printing Dept. wants to keep alive the cooperation with JICA, both technical and financial. The Director of the Dept. would like to run a proper training school to produce skilled workers in printing, not only to service the public sector but also the private sector where most of the workers are currently expatriates. This is one of the possible areas for future JICA assistance.

STUDY SUMMARY SHEET

(M/P)

ASE BRN/S 101/85

1. COUNTRY	Brunei	
2. NAME OF STUDY	Public Transport System in Negara Brunei Darussalam	
3. SECTOR	Transportation / (Transportation in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Land Transport Dept.
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Engineering Consultants Co., Ltd.	
7. STUDY PERIOD	Jul.1984 ~ Mar.1985 8month(s) Jun.1985 ~ Jul.1985 1month	
8. SITE OR AREA	Urban area and its outskirts	
9. MAJOR PROPOSED PROJECT(S)		
1) Improvement Plan of Public Bus System - Purchase 235 new buses - Strengthen bus network and its operation - Improve bus terminals, bus stops, operation offices and workshops 2) Improvement Plan of Taxi System - Construction of taxi stations - Introduction of radio equipped taxis 3) Relevant Improvement Plan - Improvement of arterial road network - Introduction of grade separated intersections - Improvement of traffic control system		

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

Reasons for Cancellation:

As Brunei has high income level, government gives support to obtain and keep car. There is few demand for bus.

Background:

(FY1991 Overseas Survey)

The Land Transport Dept. submitted the Report of the Master Plan Study to the Ministry of Communications with a recommendation that suggested feasibility studies be undertaken in phases. However, no definite decision has been made. According to the unofficial comment made by the Director fo Land Transport Dept., the Japanese government is expected to undertake F/S proposed by this M/P.

(FY 1996 Domestic Survey)

Brunei Govt. is discussing about introduction of new transprotation system. This project which is consisted of mainly bus transportation will be discontinued naturally in case that the new system is introduced as a public transportation.

(FY 1997 Domestic Survey)

Brunei Government is considering the introduction of new transport system. Therefore, this study which is composed mainly of bus transport, is discontinued.

STUDY SUMMARY SHEET

(Basic Study)

ASE BRN/A 503/93

1. COUNTRY	Brunei	
2. NAME OF STUDY	Development Survey on the Forest Resources in Brunei Darussalam	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Industry and Primary Resources
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Forest Civil Engineering Consultants Foundation Pasco International Inc.	
7. STUDY PERIOD	Mar.1992 ~ Mar.1994 24month(s) ~	
8. SITE OR AREA	Western part of Daerah Tutuong and Daerah Belait (A=50,000ha) Eastern part of Daerah Temburong (A=10,000ha)	
9. MAJOR PROPOSED PROJECT(S)		
<p>1)50,000ha Model Plantation Area in the western part of the country.</p> <p>1.A forest resource survey and soil survey were conducted and vegetation maps, soil maps and a forest inventory book were prepared.</p> <p>2.A forest operation guideline was formulated for the Model Plantation Area by comprehensively taking the various results mentioned above into consideration. Except for swamp forest, the plan formulated by the Forestry Department of Brunei Darussalam was in favor uniform clear cutting and development in large areas. The recommended guideline proposed a layout of afforestation of small areas, natural forestry operations, prohibition of felling and other measures in mosaic form in accordance with the landforms, soils and existing vegetation types.</p> <p>2)10,000ha in National Park Area in the eastern part of the country.</p> <p>1.A vegetation maps were prepared based on the results of study of stand composition.</p> <p>2.A forest conservation survey and analysis of scenes were conducted and a National Park utilization and facilities plan was prepared with a focus on conserving the present status.</p> <p>3.A comprehensive analysis of various survey results was performed and forest management guidelines tailored to eco-tourism were prepared.</p>		

森林資源調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Background:

The Forestry Department of Brunei Darussalam is conducting forest development of 300 to 400ha per year in the watershed of Belait river through the National Forestry Policy. These measures call for clear cutting and afforestation in large areas by joining cutting blocks.

Erosion has already occurred in the entire area and damage by pests will be feared in the future.

Implementation of forestry operations which are carefully thought out and which meet the guideline, paying due consideration to environmental conservation, is strongly desired.

Finance:

(FY 1996 Domestic Survey)

All projects were implemented with local fund.

(1)National Park

The Forestry Department of Brunei Darussalam has already started to improve and expand park facilities. The office, accommodation and other facilities should be built at sites outside of the National Park as indicated in the guideline.

The improvement works of facilities at the Temburong National Park are being carried out.

(FY 1996 Domestic Survey)

Construction of foot paths (a few hundred meters), canopy walkway, three dormitories, etc.

(2)Forest Conservation

It is learnt that the forest improvement works which are included in 7th National Development Plan (for 5 years from 1996), will be based on the results of this survey works.

(FY 1996 Domestic Survey)

Afforestation, Installation of feeder, etc.

Situation:

The survey area was reduced compared with the original plan considerably due to the lack of fund. The scale of the topographical maps was also changed from 1/10,000 to 1/20,000 and didn't covers a whole area of afforestation.

Brunei wishes to have an adequate financing, minimum necessary survey works and the technical transfer as much as possible.

Effects:

(FY 1999 Overseas Survey)

Their results of the study were used as reference in the formulation and implementation of development of plantation and national park.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE KHM/S 201/93

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Phnom Penh Water Supply System	
3. SECTOR	Public Utilities / Water Supply	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Phnom Penh Water Supply Authority
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Tokyo Engineering Consultants Co., Ltd. Nihon Suido Consultants Co., Ltd.	
7. STUDY PERIOD	Jan.1993 ~ Dec.1993 11month(s) ~	
8. SITE OR AREA	Phnom Penh city	
9. MAJOR PROPOSED PROJECT(S)		
<p>1.Urgent rehabilitation works</p> <p>1-1.Rehabilitation of existing facilities, particularly Phum Prek treatment Plant.</p> <p>1-2.Expansion of Phum Prek treatment plant (50,000m3/day).</p> <p>2.Expansion works</p> <p>2-1.Rehabilitation and improvement of distribution system.</p> <p>2-2.Construction of Cham treatment plant (130,000m3/day).</p> <p>2-3.Development of distribution system.</p> <p>3.Basic Study</p> <p>Same as 1-1. above</p>		

プノンペン市上水道整備計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Urgent Rehabilitation Project

-Rehabilitation of Existing Facilities

(a)Phase I

Subsequent Studies:

Jan.-Jun.1994 D/D (JICA)

Finance:

Jan.1994 E/N 980 mil.Yen

(Improvement of Water Supply Facilities in Phnom Penh-1/2)

*Project Content

Construction of transmission pump in Phum Prek treatment plant(PPTP)

construction of pump room,installation of transmission pipe (500mm)

rehabilitation of elevated tank, installation of pressure control valves

Construction:

Construction Trader Kubota Construction (870.7 mil.Yen)

Jul.1994-Feb.1995 Implemented and Completed

(b)Phase II

Subsequent Studies:

Aug.-Nov.1994 D/D (JICA)

Finance:

Jul.1994 E/N 1,771 mil.Yen

(Improvement of Water Supply Facilities in Phnom Penh-2/2)

*Project Content

Improvement of electric equipment in PPTP, construction of service reservoir, installation of distribution pipes and meters, supply of cover joints for repairing pipes

Construction:

Construction Trader Kubota Construction (1,610.9 mil.Yen)

Dec.1994-Feb.1996 Implemented and Completed

Maintenance & Operation:

The Construction Trader conducted three-month training to the official of Phnom Penh Water Supply Authority concerning the M&O of PPTP. As a result, the official acquired the knowledge about the new machinery and PPTP has been in operation without any trouble.

(2)Urgent Rehabilitation Project-Expansion of PPTP

(FY 1996 Domestic Survey)

The B/D for the Second Phnom Penh Water Supply System is in progress.

Subsequent Studies:

Dec.1996-Mar.1997 D/D (Phnom Penh Water Supply System II)

*Contents of Study

Rehabilitation of distribution systems and water supply system.

Finance:

Grant aid (25 Jun.1997 E/N 2,112 mil.yen)

*Contents of Project

Rehabilitation of distribution system at 7th January and a part of Toul Kork

Construction:

Oct.1997-Mar.1999

Construction Trader Kubota Construction

Effect:

Reduction of escape of water (estimated to be 50% at present) and installation of water meter will stabilize the management of water corporation.

Stabilized Water supply will improve the health condition and welfare of residents, and activate regional economy.

Also the project will contribute to prevent the epidemic caused by water.

(3)Cham Plant (name was changed to Chrouy Chang War Plant) Construction Project

(FY 1998 Domestic & Overseas Surveys)

Subsequent Studies:

1995-96 B/D US\$684,110 (World Bank)

June 1996-Oct. 1997 B/D 862,000 GM (Germany grant)

Old Chrouy Chang War Plant is utilized due to the change of the site and rise of the price of the project site.

Finance: 20 March 1998 US\$21.4 million (IBRD)

*Contents: Rehabilitation work of Chrouy Chang War Plant and construction of the new facility with the capacity of 65,000cu.m/day.

Operation & Management: Water Supply Authority

(4) Cham Car Morn Plant

(FY 1998 Domestic & Overseas Surveys)

Subsequent Studies:Aug.1996-Dec.1998 (French grant)

Finance:5,600,000 F.(French grant) and 500 mil Riel (Own fund)

*Contents: Expansion of the water supply pipe with the capacity of 10,000cu.m/day.

Construction: Aug.1996-Nov.1998

Operation & Management: Water Supply Authority

プノンペン市上水道整備計画調査

STUDY SUMMARY SHEET

(M/P+F/S)

ASE KHM/A 201/94

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Integrated Agricultural and Rural Development Project in Suburbs of Phnom Penh	
3. SECTOR	Agriculture / Irrigation, Drainage & Reclamation	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Agriculture, Forestry and Fisheries, General Directorate of Irrigation, Meteorology and Hydrology (GDIMH)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Mar.1993 ~ Mar.1995 24month(s) ~	
8. SITE OR AREA	Tonle Bati area at Takeo Province, Kandal Stung area at Kandal Pvince	
9. MAJOR PROPOSED PROJECT(S)		
<p>1) Irrigation drainage project : Modification and repair of existing facilities and establishment of additional facilities in Tonle Bati area (approx.6,000ha) and Kandal Stung area (approx.10,000ha).</p> <p>2) Reinforcement of Agricultural support services : Improvement of Agriculture Development Center (including establishment of new facilities), reinforcement of supplying capacity of various farming equipment and materials, and settlement of model farms.</p> <p>3) Organization of farmers association to improve the living standard : Establishment of an union for water distribution, expansion and improvement of the Development Center and branches, training of staff and supply of necessary equipment.</p> <p>4) Infrastructure for rural area : Improvement of water supply, farm roads schools and clinics, etc.</p>		

プノンペン周辺地域農村総合開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1) Kompong Tul Spillway and Stung Toch Regulator (Kandal Stung Area)

Subsequent Studies:

(FY 1997 Overseas Survey)

Jul.1995~Jun.1996 D/D (GDIMH) own fund

*Contents of study

Kompong Toul weir, spillway, bridge

Stung Toch regulator flood protection dike and improvement of approach road (NR.3)

Difference with JICA's proposal:

(FY 1998 Domestic Survey)

The cost for Kompong Toul regulator became meager than 30% of JICA's proposal (US\$2.4M) as bathtub overflow type without gate was accepted.

Finance:

Jan.1996 Government budget US\$ 2,437,000

Construction:

Jan 1997~Dec.1997

(2) Rehabilitation of Kandal Stung Weir

(FY 1997 Domestic Survey)

After the request for Japan's grant aid was submitted to Japan, the government of Cambodia decided to implement the project by own fund.

(FY 1999 Domestic Survey)

To implement the project by own fund was called off.

(3) Rehabilitation of existing facilities at Kandal Stung (approx. 10,000ha)

Request for Financial Assistance:

(FY 1997 Overseas Survey)

1996 Grant Aid Assistance was requested (US\$13,118,000) for the stage 1 (Kandal Stung irrigation system and Tonle Bati intake)

1999~2000 Implementation of Stage 1 (schedule)

(FY 1998 Domestic Survey)

Fund procurement is under consideration upon Japanese government.

(FY 1999 Domestic Survey)

Although the request is on the list, there is little probability that fund procurement will be approved in this fiscal year.

Remaining Project:

(FY 1997 Overseas Survey)

Tuk Thla regulator, Kandal Stung / Tonle Bati irrigation system, Agricultural Development Center and so forth.

(FY 1998 Domestic Survey)

Japanese government is considering the request.

Subsequent Study:

(FY 1998 Domestic Survey)

Feb.1998 FU Study by ADCA

Finance:

(FY 1998 Domestic Survey)

They strongly desire to implement this project by a Japan's grant aid assistance.

Related Project:

(FY 1999 Domestic Survey)

Prekt Not Dam will go into progress as a JICA's project.

STUDY SUMMARY SHEET

(F/S)

ASE KHM/S 302/95

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Telecommunications Network for Phnom Penh City and its Surrounding Area	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Posts and Telecommunications (MPTC)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NTT International Corporation Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Sep.1994 ~ Jul.1995 10month(s) ~	
8. SITE OR AREA	Phnom Penh City and its surrounding area	
9. MAJOR PROPOSED PROJECT(S)		
<p>To materialize Telecommunication System in Phnom Penh City and its surrounding areas till 2007, the site was divided into 9 exchange stations. Installation project of Telecom facilities in 3 exchange areas which have high demand and concentration of important subscribers, provision project of Telecom service by radio station to the important subscribers who live outside of the 3 exchange areas were established as urgent projects. Installation Project of Telecom Facilities in the remnant 6 exchange areas, Installation Project of 3 exchange stations of urgent project were established as preferred projects. In addition to Telecom System Installation, the construction of Maintenance center to manage and maintain it appropriately, and Training center to nurture skilled persons was proposed.</p> <p>*PROJECT COST (US\$ 1,000) Total 1)32,050 2)16,713 3)11,245 4)8,978 5)20,287 Local Cost 6,336 Foreign Cost 25,714</p>		

プノンペン市及びその周辺地域における電気通信網整備計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Urgent Project

Subsequent Study: Apr.~Jul.1995 Basic design study

Finance:

Aug.23.1995 E/N 1,703 mil.Yen (Local Cost:137.5 mil.Yen) (Project for Improvement of the Telecommunication Network in Phnom Penh - Phase I), Jun.14.1996 E/N 1,273 mil.Yen (Local Cost 104.4 mil.Yen) (Project for Improvement of the Telecommunication Network in Phnom Penh - Phase II) *construction of transmission line, exchange machine, etc.

Construction:

<Phase I> Building: Jun.19.1996 Construction contract signed, Feb. 6.1996~Mar.31.1997 Completed, Equipment: Jan.27.1996 contract signed, Jun.12.1996~Mar.31.1997 Completed, Contractor Construction - Oobayashi Gumi, Equipment - Nichimen, Effects: (FY 2001 Domestic Survey) The urgent project provided the telephone service in the central areas in Phnom Penh City with the capacity of 16,800 telephone lines. The project also replaced existing old facilities and constructed new systems with new technologies. After implementation of this project, telephone capacity increased and quality was drastically improved. As a result, fixed telephone density per 100 people in Cambodia was increased from 0.14 in 1996 to 0.26 in the end of 2000.

(FY 2001 Overseas Survey) More than 80% of telephone lines supplied by this project are effectively used in 2001 and MPTC is carrying out a plan to expand the capacity gradually with their own fund. Transmission network development and internet capacity expansion in Phnom Penh City and its neighboring industrial estate is considered to be necessary for the future expansion of internet use.

<Phase II> Building: Oct.23.1996 Construction contract signed, Nov.18.1996~Mar.31.1997 Completed, Equipment: Oct.28.1996 contract signed, Feb. 1997~Mar.31.1998 (completed), Contractor Construction - Oobayashi Gumi, Equipment - Nissho Iwai

(1)Telecommunications Network in the Central Province

(FY 1997 & 1998 Domestic Survey)

Subsequent study: Preliminary Study including B/D (MPTC) Jul.1996~Aug.1996

Consulting company / JTEC(Japan Telecommunications Engineering & Consulting Service), Components of study: Telecom. Network Development Plan (Basic policies, Demand forecast, Traffic forecast, Network Improvement and expansion plan, Operation & Maintenance plan, Implementation plan, Cost estimation). Difference with JICA's proposal: This project covers not only in the surrounding area of Phnom Penh City but also in the Central Provinces, and totally 9,000 telephone lines will be supplied.

Finance: Request for financial assistance has been submitted from CDC to Embassy of Japan on 29 July 1998. (amount US\$ 11.7M)

(FY 2001 Domestic Survey) Requests for financial assistance have been submitted continuously from 1996 to 2001. During the period, the content of the request had been changed as the new issue, IT infrastructure development, was emerging. The government expects to develop social infrastructure in the Central Province by implementing the project.

(2)Enhancement of MPTC Training Institute

(FY 1997 & 1998 Domestic Survey)(FY 1997 Overseas Survey)

Subsequent study: Subsequent study is not undertaken yet. Finance: Request for financial assistance for the enhancement of MPTC Training Institute was submitted on 29 July 1998. (amount US\$ 7.9M for 5 years) Implementation: 1999~2004 (schedule)

MPTC has a plan to develop the nationwide basic telephone services including long distance calls in Cambodia by means of JV scheme / BOT scheme in cooperation with the capable and qualified foreign enterprise. At this moment the lack of well-trained personnel, both in quality and quantity, represents one of the most serious issues facing the MPTC in its efforts to implement forwards the telecommunications development plan. The expanded and modernized Telecommunications Networks / facilities will require highly trained manpower in terms of planning operation, maintenance and management. It is still premature to put ideas into practice. Therefore, MPTC made request for the Project type Technical Cooperation on the Enhancement of MPTC Training Institute.

(FY 2001 Domestic Survey) MPTC had requested project-type technical cooperation as enhancement of MPTC Training Center from 1998 to 2000, it has not been adopted yet. In 2001, MPTC requested other type of schemes such as C/P training as human resource development for sustainable training center.

(FY 2001 Overseas Survey) JICA F/S study in 1995 recommended the establishment of new training center. Based on the study, MPTC requested the technical assistance to JICA for project type technical cooperation program "Enhancement of MPTC Training Institute" in 1998,1999, and 2000. In 2001, MPTC requested to JICA for Country Focused Group Training as human resource rehabilitation and development program.

(3)Other Proposed Project

(FY 1997 Overseas Survey) "Digital Transmission Trunkline"

FO cable route from Poipet (Thai border) via Phnom Penh to Phum Bavet 2 (Vietnam border)

Finance: KfW Construction: (FY 1997 Overseas Survey) Dec.1997 Contract was signed, Mar.1998 - May 1999 Construction was completed.

Remaining Project:

- Installation project in the remnant 6 exchange areas ; North, C.C.Reh, Takhmau, P.Phnu, Russey Keo, Chbar Ampoav
- Stimulate / Activate socio-economic development, thus consolidating urban-suburban relations and mutual development with the Capital City
- Enable emergency calls from every District, thus promoting social welfare for the people.

(FY 2001 Domestic Survey) Projects for other 6 areas have not been implemented. Telecommunication Network Development Plan in Central Region of Cambodia was planned to cover the 6 areas.

(FY 2001 Domestic Survey) Studies on telecommunication policies and restructuring are carried out by international organization such as ITU, WB, and AD. Based on ITU's support, telecommunication regulations draft was made in 2001 and action for legislation was taken.

(FY 2001 Overseas Survey) a) "Telecommunication Network Development Plan in Central Region of Cambodia (Grant Aid)" requested to JICA, covers the areas not only the central provincial areas of Sihanouk Ville and Kampong Cham, but also 6 remained exchange areas in this F/S study. b) Regional technical assistance program rendered by ADB: ADB conducts a small scale Regional Technical Assistance to revise and upgrade the East Loop feasibility study as the establishment of backbone telecommunication network projects in this region. c) Technical Assistance by WB: Consultant service for "Strengthening of the Cambodian Telecommunication Regulatory Framework" was rendered by World Bank in 2001. d) Technical Assistance by ITU: Consulting service for Restructuring of the Ministry of Posts and Telecommunications of Cambodia was rendered by ITU in 2001.

e) F/S study by German Government: F/S of Rural Telecommunications II (F/S study and Sector Policy) was conducted in 2001 by German Government (KfW).

Others: MPTC has a plan of nation-wide telecommunication development including long distance telephone system improvement by BOT and JV, however, lack of human resource is an obstacle for implementing the plan.

(FY 2001 Domestic Survey) Studies on telecommunication policies and restructuring are carried out by international organizations such as ITU, WB and AD. Based on ITU's support, telecommunication regulations draft was made in 2001 and action for legislation was taken.

Related Projects:

(FY 2001 Domestic Survey) German government organization, KfW implemented Optical Cable Project from the border of Thailand to the border of Vietnam via Phnom Penh City. Influenced by this project, MPTC constructed telecommunication facilities in 6 provincial capitals along the optical cable in 2000. Also, F/S was conducted for the phase II (rural telecommunication project) of this project in Oct.2000. KfW seems to consider to assist construction of transmission cables in the north side of Tonle Sap Lake.

STUDY SUMMARY SHEET

(F/S)

ASE KHM/S 305/96

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Construction of Mekong Bridge	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works and Transport
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. PADECO Co., Ltd.	
7. STUDY PERIOD	Mar.1995 ~ May.1996 14month(s) ~	
8. SITE OR AREA	Kompong Cham City	
9. MAJOR PROPOSED PROJECT(S)		
<p>1.Main Bridge Prestressed Concrete Box Girder Bridge Length 1,000 m</p> <p>2.Approach Bridge Prestressed Concrete Box Girder Bridge Length 360 m</p> <p>3.Approach Road 2,238 m</p> <p>Imp. period: 42 months</p>		

メコン河本流架橋計画調査

PRESENT STATUS	<p>Completed or In Progress</p> <p>Completed</p> <p>Partially Completed</p> <p>Implementing</p> <p>Processing</p>	<p>Promoting</p> <p>Delayed or Suspended</p> <p>Discontinued or Cancelled</p>
<p>Description :</p> <p>Subsequent Study: (FY 1998 Domestic Survey) (FY 1998 Domestic Survey) July.1996-6 months B/D Feb.20.1997 E/N 125mil.yen (Construction of Mekong Bridge D/D) (Nov.1997 The contract regarding constructions supervision inclusive of assistance of tender were signed (Nippon Koei)) Feb.1997~11 months D/D was conducted.</p> <p>Finance: (FY 1998 Domestic Survey) (FY 1998 Overseas Survey) 25 June 1997 E/N 6,382 mil.yen (Construction of Mekong Bridge at Kompong Cham)</p> <p>Construction: (FY 1998 Overseas Survey) Aug.1998~March 2002 Contractor / Taisei-Sumitomo JV (FY 2000 Domestic Survey) 85% of construction completed (FY 2001 Domestic Survey) Completed</p> <p>Operation and Management: (FY 1998 Overseas Survey) MPWT will fully be responsible for management and maintenance of the bridge after the completion.</p> <p>Japanese technical cooperation: (FY 1998 Overseas Survey) - April 1998~April 2000 Dispatch of Japanese expert (bridge design) to MPWT. - Cambodian trainees are dispatched to Japan every year to acquire the bridge construction engineering including the maintenance.</p> <p>Background: (FY 1997 Domestic Survey) In order to study a optimum route crossing over the Mekong River in Cambodia, 3 candidate routs, namely Neat Loeumy, Prek Tamak and Kom Pong Chem route, are investigated. In consideration of projects cost, EIRR, concordance with national regional development strategy, formation of an international network and promotion, of an market-oriented economy, promotion of public welfare, and environmental impact, it was recommended that the Kom Pong Cham route has significant advantages over the other two routes. The economic evaluation determined that the Mekong Bridge at Kon Pong Cham is economically justifiable. Although the bridge proposal appears to have a marginal economic return on investment when looking only at its impact on reduced transport costs, the Project will also serve as a catalyst for economic growth.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE KHM/S 201/97

1. COUNTRY	Cambodia		
2. NAME OF STUDY	Master Planning and Feasibility Study of the Sihanoukville Port in the Kingdom of Cambodia		
3. SECTOR	Transportation / Port		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Pacific Consultants International (PCI)		
7. STUDY PERIOD	Mar.1996 ~ Jul.1997 16month(s) ~		
8. SITE OR AREA	Sihanoukville Port		
9. MAJOR PROPOSED PROJECT(S)			
(M/P) (Imp. Period: 2000~2014)			
General cargo berths (new construction 400m)			
Container cargo berths (new construction 400m, Renovation 50m)			
Container gantry cranes (4 units)			
Bulk cargo berths (new construction 300m)			
(F/S) (Imp. Period: 1998~2004)			
General cargo berths (new construction 400m)			
Container cargo berths (new construction 240m)			
Container gantry cranes (2 units)			

シハヌークヴィル港整備計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Finance:

(FY 1999 Domestic Survey)(FY 1999 Overseas Survey)

14 Jan. 2000 L/A (ODA loan) 4,142mil.yen "Sihanoukville Port Urgent Rehabilitation Project".

(FY 2003 Overseas Survey)

Additional Yen-loan request was made;

In response to the growing trend of cargo, PAS decided to request additional financial assistance to Japan and prepared a study. Based on the result of It, PAS requested Yen-loan to the Government of Japan In November 2002 as "Phase II Project".

Main components of the Phase II project Includes extension of container berth (160m), construction of general berth(265m) and Installment of container handling equipment . In December 2002, JBIC sent a fact finding mission and 4 options regarding expansion project of Sihanoukville Port were prepared. The Government of Japan hac decided to Implement It by yen loan and Informed Cambodian side In December 2003.

Construction:

(FY 2001 Domestic Survey)

Package A: Construction of container terminal : To be started in Mar.2002 and completed in Aug. 2004

Package B: General cargo berth and remaining container terminal facilities.

Package C: Procurement of cargo handling equipment: Only cargo handling equipments for container terminal is required. The equipments shall be settled together with the operation of container terminal.

(FY 2002 Domestic Survey)(FY 2003 Domestic Survey)

Package A: Construction of container terminal : Apr.2002 ~Sep.2004

Japanese Technical Cooperation(Japanese Experts):

(FY 2001 Domestic Survey)

period:Sep.1999-Aug.2001

specialty:Port

(FY 2003 Overseas Survey)

period:Apr. 2002-Apr. 2004

specialty:Port and Harbor

(FY 2003 Domestic Survey)

Acceptance of trainees: 6 trainees (Dec.2003).

Background:

(FY 1998 Domestic Survey)

It was decided to start the detail design for Urgent Improvement Plan. But it is still interrupted by political unstableness in Cambodia.

(FY 2003 Overseas Survey)

Other Technical Assistance

Other Technical Assistance:

SAPI: HIV/AIDS and STI prevention Program on C Port Rehabilitation Project

Background: probability of HIV Infection among construction workers engaged to carry out the Sihanoukville Prot Urban Rehabilitation Projwect was considered to be high. As a means to Idenitify and apply effective HIV/AIDS prevention Initiatives In collaboration witu Port Authority of Sihanou kville(PAS) and Ministry of Health(MOH) JBIC carried out a Special Assistance for Project Implementation Plan of HIV/AIDS prevention to the construction workers for the project(CWR).

STUDY SUMMARY SHEET

(F/S)

ASE KHM/A 307/97

1. COUNTRY	Cambodia		
2. NAME OF STUDY	Agricultural Development Study of the Mekong Flooded Area		
3. SECTOR	Agriculture / (Agriculture in) General		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Sanyu Consultants Inc.		
7. STUDY PERIOD	Mar.1996 ~ Dec.1997 21month(s) ~		
8. SITE OR AREA	1. Colmatage Farming Improvement Project: Kean Svay District (2,640ha), Saang District (720ha, 1,500ha), Kandal province. 2. Agricultural Development Project Harmonized with Fisheries: Srok Ksach Kandal District (6,130ha), Kandal province.		
9. MAJOR PROPOSED PROJECT(S)			
1. Colmatage Farming Improvement Project - Rehabilitation of 20 canals. - Rehabilitation of 10 bridges. - Installation of 5 water control gates.			
2. Agricultural Development Project Harmonized with Fisheries - Reservoirs and multi-purposed roads/dikes. - Water conservation weir. - Rehabilitation of Colmatage canals. - Enclosed dikes to control flood water.			
[Imp. Period]			
1. three (3) years.			
2. seven (7) years.			

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: (FY 1998 Domestic Survey) B/D had been implemented for Colmatage. (FY 1999 Domestic Survey)(FY 1999 Overseas Survey) D/D (19 Feb. 1999 E/N 40 mil.yen).</p> <p>Finance: (FY 1999 Domestic Survey)(FY 1999 Overseas Survey) 15 Jun. 1999 E/N 1,104 mil.yen *Components: Rehabilitation of 4 Colmatage canals (8,080m in total), Rehabilitation of gates, Provision of machinery (for maintenance) and equipment.</p> <p>Construction: (FY 1999 Overseas Survey) On-going. (FY 2000 Domestic Survey) The construction will be completed in Mar. 2001 Situation in progress: The heavy rain and the flood made the construction late, therefore, at the end of July 2000, the completion rate was 66% that was lower than the scheduled completion rate, 85.9%. (FY 2001 Overseas Survey) The construction was completed by August 2001. However, the constructed facilities were partly damaged by the big flood of Mekong River and need to be repaired in this dry season.</p> <p>Effects: (FY 2001 Overseas Survey) The constructed facilities will provide and are providing a good impact not only for agricultural production in the project area but also for flood control, fish migration, transportation, etc.</p>		

STUDY SUMMARY SHEET (Basic Study)

ASE KHM/S 501/98

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Topographic Mapping for Angkor Archaeological Area in Siem Reap Region	
3. SECTOR	Social Infrastructure / Survey & Mapping	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	APSARA (Authority for the Protection of Sight and Management of Region of Angkor)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Engineering Consultants Association Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Jan.1997 ~ Jul.1998 18month(s) ~	
8. SITE OR AREA	Topographic map at a scale of 1:10,000(430km ²)	
9. MAJOR PROPOSED PROJECT(S)		

シエムリアップ州及びアンコール遺跡公園地形図作成調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 1999 Domestic Survey)

In Oct. 1992, following the footsteps of the UNESCO program ZEMP, JICA implemented a project formulation study to formulate a proposal for the conduct of cooperation projects that would contribute to the socio-economic development of the region including Angkor. Then, in Feb. 1993, the Cambodian Government submitted a request to the Government of Japan for the implementation of a study related to the formulation of a "Comprehensive Development Plan for Angkor Area and Siem Reap Province". During the International Conference on the Preservation of the Angkor Archaeological Area held in Tokyo in Oct. 1993, the Japanese Government declared that it would implement the aforesaid study. Based on the above-mentioned conditions, JICA dispatched a preliminary study team in Mar. 1994 which signed the S/W with the Government of Cambodia.

In June 1994, the Government of Cambodia held a round-table conference with the Pol Pot Party. However, negotiations to end the war failed and consequently, social conditions deteriorated rapidly. As a result, the implementation of the study for the "Comprehensive Development Plan for Angkor Area and Siem Reap Province" had to be postponed, and in October 1994, JICA notified the Government of Cambodia of the immediate postponement of the study.

In July 1995, the Government of Japan examined conditions in the country to determine the future of the "Comprehensive Development Plan for Angkor Area and Siem Reap Province". It judged that in view of the presence of land mines in the study area and other security problems, the implementation of the study for the formulation of the said plan would be extremely difficult.

Consequently, JICA offered to take aerial photos of the Siem Reap Region and Angkor Archaeological area, in order to produce a map that would contribute to the formulation of a development plan. The Government of Cambodia accepted this offer, and in January 1996, the Basic Study Department of JICA dispatched a "Cambodian Infrastructure Development Project Formulation Study Team". This study team signed the minutes of meeting with the Minister of State Vann Molyvann, stipulating that JICA would examine the possibility of extending cooperation in the fields of topographic mapping, water and electric power supply to contribute to the recovery of Siem Reap Province including Angkor Wat, the symbol of Cambodia. Subsequently, the Government of Cambodia requested the cooperation of the Government of Japan for the production of a topographic map of the area in the northern and eastern sections of Siem Reap City where the Angkor ruins are mainly located. JICA responded by dispatching a preliminary study team in September 1996, which signed the S/W on September 26. Accordingly, the APSARA (Authority for the Protection of Site and Management of the Region of Angkor) was chosen as the Cambodian agency responsible for the project, and the Geographic Survey Department was chosen as the agency in charge of technical assistance.

As a result, the following outputs have been made: 1) topographic map at a scale of 1:10,000 (430km²); 2) topographic map at a scale of 1:5,000 (100km²); 3) monochrome aerial photography at a scale of 1:20,000; and 4) color aerial photography at a scale of 1:5,000 (100km²).

(FY 2001 Domestic Survey)(FY 2001 Overseas Study)

There were lots of inquiries for the result of Study from the Japanese Government Team for Safeguarding Angkor and other organizations regarding to the rehabilitation works at the Angkor Archaeological Area. This Study provided the result of control point survey and topographic data, which were utilized by the related persons to rehabilitate the ruins.

At present, these topographic maps have been the base for each rehabilitation works and have been playing a useful role.

Furthermore, the Water Supply System for Siem Reap Region Project by the Japanese government was drawn up with such useful topographic maps by this Study.

Concrete example of use:

1. Lots of unknown facts until the Study were made clear by the provided topographic maps around the Angkor Archaeological Area.

(1) The fact that the surrounding area of Angkor Ruins slopes north-south direction gently was found. Therefore, the fact that the method of irrigation for rice growing was found to draw an overall picture of Angkor Ruins.

(2) The track of the irrigation ditch was found at the time of construction of Angkor Ruins by the benefits of the topographic maps.

2. NHK broadcasted with the title of the drawn overall picture of Angkor Ruins by the benefits of these maps. Moreover, this discovery based on the data production has been always introduced in the case of the presentation on this Ruins at the Geographical Survey Institute and etc..

3. These maps under the Japanese cooperation have been highly appreciated by persons concerning Angkor rehabilitation.

4. The persons in charge and other related persons were very busy to deal with the reaction at the time of completion of these maps because there was one inquiry after another by scholars or donors from England and others.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE KHM/S 203/99

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Study on Drainage Improvement and Flood Control in the Municipality of Phnom Penh	
3. SECTOR	Public Utilities / Sewerage	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Public Works and Transport, The Municipality of Phnom Penh
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	CTI Engineering International Co., Ltd. Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Feb.1998 ~ Jul.1999 17month(s) ~	
8. SITE OR AREA	M/P: Area of 195.71km ² of Municipality of Phnom Penh (290.06km ²) F/S: Kop Srov and Tompun dikes, and Tompun Drainage Basin	
9. MAJOR PROPOSED PROJECT(S)		
<p>M/P:</p> <ol style="list-style-type: none"> 1) Riverfront protection in Sap downstream middle section: Stone pitching revetment for 1km 2) Reinforcement of Kop Srov and Tompun dikes: Reinforcement of ring dikes in the north and south of the Municipality 3) Tompun watershed drainage improvement: Drainage improvement for the area of 17.47km² including punning station construction and improvement of drainage channels. 4) Trabek basin drainage improvement: drainage improvement for the area of 10.83km². Implementation started using ADB loan. 5) City Core North drainage improvement: Drainage improvement for the area of 6.57km² including development of drainage channels and sluiceways 6) Pochentong East drainage improvement: Drainage improvement for the area of 15.35km² including pumping station construction and channel improvement. 7) Northeast and northwest areas drainage improvement Drainage improvement for the area of 100.09km² including channel improvement and sluiceway construction. 8) Environmental enhancement: Including construction of environmental channel. <p>F/S:</p> <ol style="list-style-type: none"> 1) Reinforcement of Kop Srov and Tompun: Reinforcement of ring dikes in the north and south of the Municipality 2) Tompun watershed drainage improvement: Drainage improvement for the area of 17.47km² including pumping station construction and improvement of drainage. 		

プノンペン市都市排水・洪水対策計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2000 Domestic Survey)

Request for Japan's Grant Aid was made in Jun. 1999 for the urgent projects selected from sub-component projects of the subjects for the Feasibility Study.

Subsequent studies:

(FY 2001 Domestic Survey)(FY 2001 Overseas Survey)

Mar. 2001 B/D Drainage Improvement and Flood Control in the Municipality of Phnom Penh

(FY 2002 Domestic Survey)

6 Feb. 2002 E/N 66 mil. YEn (The project for Flood Protection and Drainage Improvement in the Municipality of Phnom Penh -Detail Design)

Finance:

6 Aug. 2002 E/N 2,056 mil. YEn (The project for Flood Protection and Drainage Improvement in the Municipality of Phnom Penh)

Construction:

(FY 2002 Domestic Survey)

Nov.2002 ~ Mar.2004 (74.2% of construction completed)

(FY 2003 Domestic Survey)

November 14, 2002 - March 15, 2004 (progress as of October 31, 2003: 74.2%)

Status of request: as the Phnom Penh Flood Prevention/Drainage Improvement Program Phase 2, a grant aid to improve/expand the drainage network and the drainage facilities has been requested with the objective of flood mitigation chiefly in the central part of the city.

Enforcement of Kop Srov Project:

(FY 2003 Overseas Survey)

Finance: ADB loan

Construction: Feb.2001 ~ Jun.2002

(FY 2004 Domestic Survey)

1. Construction

1) Design/Construction start date: Design 14th February 2002. Construction 14th November 2002

2) Design/Construction progress: Design and construction completed

3) Design/Construction completion: Design 31st August 22002. Construction 2nd September 2004

4) Management/Operational body after completion: Department of Public Works and Transport, Municipality of Phnom Penh (DPWT)

2. Subsequent studies: Within the plan proposed in the master plan, requests has been submitted from Cambodian government to improve and maintain the sewage network and facilities aiming to reduce the flood in the city centre as a second phase of the project. Japanese Grant Aid is anticipated.

(FY 2004 Domestic Survey)

1. Construction: Operation and management body will be the Department of Public Works and Transport, Municipality of Phnom Penh after the completion of design/construction.

2. Progress:

1) Project name: "The Project for Flood Protection and Drainage Improvement in the Municipality of Phnom Penh"

- Details: B/D, D/D, improvement of the Svay Pak drainage sluiceway, reinforcement of the Tompun Ring dike, improvement of Downstream Channel of the Meanchey Drainage, improvement of the Tompun Intel Channel, improvement of the downstream of Salang Drainage Sluiceway, construction of New Tompun Pumping station, construction of Tum Nup Drainage sluiceway, and construction of Salang drainage sluiceway

- Project period: B/D Apr. 2004, D/D Feb. 2002

2) Finance: Grant Aid 27th Aug. 2002 2,122 mil. YEN

3) Objectives:

- To provide higher security against floods of the Mechnon river

3. Other progresses

Project period has extended for 6 month from the scheduled period (16 months). Therefore, the period totals to 22 months (from Dec. '02 to Sep. '04). Cambodian Gov. has applied for Phase 2 of the project within the application period. Application has already been sent to Tokyo, Japan.

(FY 2005 Domestic Survey)

Subsequent study: Phnom Penh Flood Prevention/Drainage Improvement Programme (Phase 2)

Type: B/D

Implementation period: Announced on 2 November 2005

Implementing body: JICA

Objectives: To protect urban flood and to improve drainage in Eastern Phnom Penh

STUDY SUMMARY SHEET (M/P+F/S)

ASE KHM/S 201/00

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Study on Water Supply System for Siem Reap Region in Cambodia	
3. SECTOR	Public Utilities / Water Supply	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	MIME (Ministry of Industry, Mines and Energy)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Nihon Suido Consultants Co., Ltd.	
7. STUDY PERIOD	Dec.1996 ~ Jul.2000 43month(s) ~	
8. SITE OR AREA	M/P: Siem Reap Town, Lake Tonle Sap, West Barai Reservoir, Siem Reap River, Area along National Road No.6. F/S: Area Along National Road No.6 (Well Field).	
9. MAJOR PROPOSED PROJECT(S)		
<p>M/P: 4 alternative water sources are considered. Alt.-1. Groundwater, Alt.-2. West Baray Reservoir, Alt.-3. Siem Reap River, Alt.-4. Lake Tonle Sap Groundwater is selected as a suitable water source. Stage I Construction of 10 wells Stage II Construction of 5 wells Interval: 400m, Abstraction: 800m³/day each well</p> <p>F/S: Stage I project is considered as a priority project. (Project Costs for Stage I: Local 1,317,000 US\$, Foreign 14,982,000 US\$) Construction of 10 wells along National Road No.6. Distribution Center including Receiving Well, Distribution Pond, etc.</p>		

シエムリアップ市上水道整備計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Situation

(FY 2001 Overseas Survey)

At present, most of the people in Siem Reap are using groundwater by employing shallow dug or hand pump well. A large number of these wells area contaminated by poor sanitation and high iron content. Siem Reap Town area has insufficient facilities for disposal of wastewater. In addition, lack of maintenance of wastewater pipes and canals has compounded the problem extensively. Considering poor water management in the area, some countermeasures for wastewater treatment and improvement of the water environment of the Siem Reap River and the lake, are also important.

The first public piped water supply system was established in 1930's by French aid. The so-called "Old French System" was consisted of treatment plant taking its raw water from the Siem Reap River and small-scale distribution system. The second system was constructed in 1960's by USA aid abandoning the Old French System. This "USA System" also took its raw water from the Siem Reap River. Distribution system was expanded to cover the central part of the Siem Reap Town. This system had been operated until March 1995. Water treatment was terminated and the Waterworks stopped its public water supply services because of deterioration of raw water quality of the Siem Reap River and deterioration of the facilities.

MIME commenced construction of a new water supply system using groundwater in 1995 financed by French aid. Two deep wells were dug in the existing treatment plant. However, groundwater from these two deep wells contains high iron and it was not suitable for direct drinking. To remove the high iron contents, aeration facility and pressure filters were additionally installed. This "New French System" was completed in September 1998, and finally Waterworks started its water supply services from the end of July 1999. The plant capacity becomes low to 500m³/day against design capacity of 1,440m³/day because of the batch operation. Although AFD repaired some pipelines, the condition of distribution network is still not good according to the information from Waterworks.

It is apparent that rehabilitation of the existing distribution network is indispensable.

(FY 2001 Domestic Survey)

This project will be implemented as a Grant Aid Project.

(FY 2002 Domestic Survey)

The government makes request for early implementation of the project through grant aid. As for two sites for construction pilot wells, the counterpart has already purchased private land. Moreover, the management and protection of pilot wells, constructed as the result of the Study, has been in operation.

At the international meeting on preservation of Angkor, organized by UNESCO, the government showed no remains will be damaged by decline in ground level, caused by groundwater pumping. Concerned parties, however, shows concern for pumping groundwater without elaborating plans, and great desire for early implementation of this water project.

In addition, this study proposed that the project would compensate for water demand from 2005. Nevertheless, since 2000 rapid expansion of tourism sector has grown the number of tourists and inflow of labor force from throughout the country. Therefore, it is necessary to revise the result of F/S, and reexamine the scale of the projects.

(FY 2003 Domestic Survey)

B/D is being undertaken

(FY 2004 Domestic Survey)

At present, B/D is conducted with NJS as a consultant.

(FY 2004 Overseas Survey)

1. Subsequent Study: B/D study on water supply system improvement in Siem Reap city, Cambodia was conducted. In addition, E/N of the D/D has been signed on January 2004.

2. Funding request:

1) Grant Aid: 1,537 million YEN (18th May, 2004), MIME

2) Date of request: January 2000

3) Implementation status: Early stage

3. Other progress: Water supply system construction project: construction of 7 wells and water treatment plant

(FY 2005 Domestic Survey)

Proposed Project: Study on Water Supply System for Siem Reap Region in Cambodia

Funding:

Funding party: Grant Aid E/N concluded May 18th 2004

Amount: 1,537 mil JPY

(FY 2005 Domestic Survey)

Subsequent Study: SAPROF on SEZ Institutional Development

Implementation Period: July 2005 - November 2005

Implementation body: JBIC

Objective: The study on the soft aspects of legislature, organizational preparation, opening up markets for establishing SEZ (Special Economic Zone), in Shihanouk building.

Funding:

Funding party: Grant Aid L/A concluded March 2006 (planned)

Amount: 300 mil JPY

Requested period: July 2005

Status: L/A is mostly assured. The loan is only for consultant services in D/D, B/D

STUDY SUMMARY SHEET (M/P)

ASE KHM/S 101/01

1. COUNTRY	Cambodia		
2. NAME OF STUDY	The Transport Master Plan on the Phnom Penh Metropolitan Area		
3. SECTOR	Transportation / Urban Transportation		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Public Works and Transport, Municipality of Phnom Penh	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Katahira & Engineers International		
7. STUDY PERIOD	Mar.2000 ~ Oct.2001 19month(s) ~		
8. SITE OR AREA	Phnom Penh Metropolitan Area (Municipality of Phnom Penh and adjoining area surrounded by the proposed Outer Ring Road)		
9. MAJOR PROPOSED PROJECT(S)			
<p>1) Road Development :301.0M.US\$ Urbanized Area / Pavement Improvement : 288.5 km, Suburban Area / Road Improvement : 231.1 km, and Bridge Construction : 21 units</p> <p>2) Public Transport :57.4M.US\$ Bus Fleet : 1,306 units, and Bus Facilities</p> <p>3) Traffic Management :15.3M.US\$ Urbanized Area / Traffic Signal : 117 units, and Geometric Improvement of Intersection</p> <p>4) Traffic Legislation :2.1M.US\$ Institution Development, Human Resource Capacity, System, and Law</p>			

プノンペン市都市交通計画調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2002 Domestic Survey)

Present situation of the projects covered by Short Term Plan (Target Year: 2005) and Feasibility Studies is as Follows;

1) Bus Operation (Immediate Action Plan: 75 units for 4 routes, Short Term Plan: 175 units w / 9 routes)

The Royal Government of Cambodia requested Grand Aid to Japan for this project, but it was rejected because that financial evaluation indicates the non-financial viability as a project, although the profit and loss flow shows that operation as a entity is self-reliant and managerial if the bus fleet and facilities provided by the government. Presently, middle and long distance bus services are operated by private sectors, and there is no public body to manage these public transportations. Therefore, it may be difficult to operate short distance bus services alone by public sector as well as transfer those fleet and facilities to private sector even if the Government received those fleet and facilities by grand aid scheme. However, there is still possibility to implement this project along several profitable routes by Loan, if the Government obtains another financial source, such as commercial advertisements, and/or congestion taxation from private and commercial vehicle users.

2) Traffic Control System (Improvement of Existing Signal: 20I.S., Installation of New Signals: 13I.S., Geometric Improvement of Intersection: 3I.S.)

The Royal Government of Cambodia requested Grand Aid to Japan for this project with following "Urban Street Improvement " project, but it will not be accepted, because following project will be rejected and this project alone is too small in scale. However, there is a possibility to implement this project one by one with MPP's own budget and assistance by traffic management expert, even it takes much longer period.

3) Urban Street Improvement (Reconstruction of Pavement: 22.4 km, Overlay of Existing Pavement : 9.4 km)

The Royal Government of Cambodia requested Grand Aid to Japan for this project with preceding "Traffic Control System" project, but it will be rejected, because MPP has implemented this project already by their own fund obtained from the profit of selling public property to US Embassy for their proposed new facilities. Principal arterial and minor arterial streets proposed to improve by short term plan, such as Inner Ring Road, have been widened and paved or overlaid already, and remaining are only collector and local streets, therefore they will be improved by MPP, even if they would not receive Grand Aid. However, proposed projects covered by mid term plan, such as improvement of major arterials and bridge along the fringe of urbanized area or in the suburban area, will be needed to handle forecasted future traffic demand and thus sustain favorable development of said area. Therefore, the Royal Government of Cambodia will request Grand Aid to Japan for these mid term projects together with preceding "Traffic Control System" again, because MPP will not have further fund to cover those projects, even if they will work with Ministry of Public Works and Transport.

(FY 2003 Domestic Survey)

Has not developed to a concrete project.

(FY 2003 Overseas Survey)

After the studies were completed, the proposed projects have not been implemented by funds from Japan. However, projects have been implemented by the budget of Phnum Penh City Public Services and Transport Bureau (MPP) in the road sector such as repair works of pavement, mounting over rails on the pavement, placement of traffic sign.

MPP has made a request for funds to Japan in relation to efforts in traffic improvement, traffic education, and enhancement of traffic regulations and is expected to have a mission from JICA who will formulate the Phnum Penh City Urban Traffic Improvement Project in 2004.

(FY 2004 Domestic Survey)

"The Study on Improvement of Phnom Penh Metropolitan Area Transportation" has been conducted in March, 2004 and study on traffic safety and improvement of the transportation in metropolitan area are planned to be conducted this year.

(FY 2004 Overseas Survey)

1 Benefits:

1) Beneficiaries: Phnom Penh city

2) Benefit:

- In Phnom Penh city, out of 295,000 traffics (2000 estimate), 247,000 are motor-bikes and 48,000 are vehicles.

- Contribution to special distribution in metropolitan activity

- Improvement of transportation safety, improvements in basic infrastructure, sound metropolitan development, requested form of development, and etc.

2. Subsequent studies: Technical Cooperation named "Traffic Improvement in Phnom Penh City" has been submitted to Japanese government and is on consideration.

(FY 2005 Domestic Survey)

Subsequent project: Urban road maintenance and traffic light establishment

Benefits:

Beneficiaries: Phnom Penh city

Benefits: Difficulties lies in quantifying the effects, though urban road maintenance has contributed for an improvement in urban environment and had given positive impacts (increase in store and stores for foreigners) to the economy. On the other hand, establishment of the traffic lights has increased traffics, which comprehensive traffic management system may required for increasing congestions.

STUDY SUMMARY SHEET

(M/P)

ASE KHM/A 102/01

1. COUNTRY	Cambodia	
2. NAME OF STUDY	The Study on Improvement of Marketing System and Post-harvest Quality Control	
3. SECTOR	Agriculture / Agricultural Processing	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Commerce (MOC) , Ministry of Agriculture, Forestry and Fisheries (MAFF)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd. Sanyu Consultants Inc.	
7. STUDY PERIOD	Mar.2000 ~ Aug.2001 17month(s) ~	
8. SITE OR AREA	9 districts (Kandal, Prey veng, Kampong Cham, Svay Rieng, Takeo, Kampong Speu, Kampong Chhnang, Battambang, Siem Reap) and Phnom Penh City.	
9. MAJOR PROPOSED PROJECT(S)		
1.Project on Improvement of Post-harvest Processing 2.Open Paddy Market Project 3.Master Plan Study on Establishment of Agricultural Cooperatives 4.Project on Establishment of Rice Quality and Inspection Standard 5.Project on Improvement of Rice and Paddy Trade System 6.Project on Increase of National Rice Reserve		

米流通システム及び収穫後処理改善計画調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2002 Domestic Survey)

'Open Paddy Market Project', one of the proposed project, has been accepted as the project for FY2002 and the preliminary study has been implemented by JICA during the period between December 2002 and January 2003.

(FY 2004 Domestic Survey)

1 Subsequent Studies:

- 1) Project Period: January 2004 - September 2006 (S/W concluded on 24th February 2003)
- 2) Technical Cooperation: Dispatch of experts - 6 personnel

2 Benefit:

- 1) Beneficiaries: Rice farmer and trader in Prey Veng region
- 2) Benefits: function as paddy rice market in Prey Veng region

3. Progress:

- 1) Among the 6 major projects proposed, public paddy rice market has been implemented. Following this study, projects described below has been implemented in a small scale.
 - Market information improvement project
 - Inspection of measurement equipments project
 - Establishment of standards for the quality of rice and inspection project
- 2) Public paddy rice market will continue another 2 years.
- 3) Small scale reconstruction of government storehouse will start in October 2004 and is planned to be completed in December 2004. After this reconstruction, government storehouse will be used as public paddy rice market.

(FY 2005 Domestic Survey)

Subsequent Study: Public paddy rice market establishment plan, third year (empirical study)

Implementing period: September 2005 to March 2006

Implementing body: MAFF, MOC

Objectives: To give an impact in improving paddy rice market aiming to circulate 10% of surplus paddy rice in order to improve fairness of the market and quality of the rice through the empirical study on the market in Prey Veng province. To establish a scheme for a fair price wholesale market while pursuing sustainability and profitability.

Progress: Currently, in the midst of a pilot project, profitability is pursued though the profitability is set to zero for an indicator as it is a public service. NPO is promoted for an institutional form.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE KHM/A 201/01

1. COUNTRY	Cambodia	
2. NAME OF STUDY	The Study on the Rehabilitation and Reconstruction of Agricultural Production System in the Slakou Basin	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Water Resources and Meteorology
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Docon Co., Ltd. Pasco International Inc.	
7. STUDY PERIOD	Jan.2001 ~ Mar.2002 14month(s) ~	
8. SITE OR AREA	Kompon Speu district, Takeo	
9. MAJOR PROPOSED PROJECT(S)		
<p>M/P:</p> <p>1.Upper Slakou River Irrigation Reconstruction Plan (USP): The irrigation area covers 3,500ha in total. 2.Small Reservoir Rehabilitation Plan (SRP): 15 small reservoirs, irrigation area - 280ha. 3.Small Pong development Plan (PDP): 250 villages, 72 ponds per village</p> <p>Projects include the followings: agriculture production program; rural road improvement program (RIP); agriculture support programs; farmers groups (FGs) at the village levels; extention service of agriculture and animal husbandry; credit service; agro-processing and marketing; farmers water user community (FWUC); capacity building of MOWRAM; environmental conservation program.</p> <p>F/S:</p> <p>1.USP:The irrigation area is 3,500 ha in total. 2.SRP:Ang160 and Kim Sei reservoir, Irrigation area is 25 and 27 ha each. 3.PDP:At Trapeang Snao village, 30 ponds per village is proposed. The irrigation area is 5.8 ha.</p>		

スラコウ川流域農業生産基盤復興開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY2002 Domestic Survey) There is no information after this project.</p> <p>(FY2003 Domestic Survey) Although it is list up on the Cambodia Priority Project List as a grant aid project, it needs progress of other agricultural and irrigation projects before being put into practice and is behind the schedule.</p> <p>(FY 2004 Domestic Survey) Within the agricultural sector assistance priority for Cambodia, project on Kandal Stung irrigation system has higher priority, which this project is placed as one of the next projects to be implemented.</p> <p>(FY 2004 Overseas Survey) Instead of implementing a project in Slakou river, similar project has been implemented in Kandal Stung region as a Grant Aid project (project name: Rehabilitation Project of Irrigation Facilities in Kandal Stung).</p> <p>(FY 2005 Domestic Survey) Delayed due to political aspects such as lowered priority in the development plan.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE KHM/S 202/01

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Study on Groundwater Development in Southern Cambodia	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Rural Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Nov.1996 ~ Feb.2002 63month(s) ~	
8. SITE OR AREA	M/P: F/S: Peri-Urban Area, and the five provinces of Svay Rieng, Ta Keo, Kandal, Prey Veng, Kompong Speu	
9. MAJOR PROPOSED PROJECT(S)		
<p>F/S: Plan to supply water for domestic use to 241 villages (194,964 people) targeted for year 2005; Water supply system shall be Level 1 system, consisting of 1,049 tube wells with hand pumps and incidental equipment; Operation and maintenance to be carried out by the local residents themselves (VLOM: Village Level Operation and Maintenance).</p>		

南部地下水開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2002 Domestic Survey)

The grant aid project targeting the Peri-Urban Area is currently being implemented.

(FY 2004 Domestic Survey)

No information.

(FY 2004 Overseas Survey)

1 Progress of proposed projects:

- 1) Design/Construction start date: 21st January, 2003
- 2) Design/Construction progress: approximately 80 %
- 3) Design/Construction completion: 28th February 2005 planned
- 4) Management/Operational body after completion: Department of Rural Supply, Ministry of Rural Development

2 Progress of implementation:

- 1) Project Name: "Water Resource Project in the Outskirt of Phnom Penh City"
- 2) Finance: Grant Aid (13th June, 2003), 1,226 million YEN
- 3) Status: The project has been implemented in 2 areas within Dangkao and Ruesssi Kaev region. Planned to be completed in February 2005.

STUDY SUMMARY SHEET (Basic Study)

ASE KHM/S 503/01

1. COUNTRY	Cambodia	
2. NAME OF STUDY	A Study on the Establishment of GIS Map Data for Cambodia	
3. SECTOR	Social Infrastructure / Survey & Mapping	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works and Transport (MPWP)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pasco International Inc.	
7. STUDY PERIOD	Mar.2001 ~ Mar.2002 12month(s) ~	
8. SITE OR AREA		
9. MAJOR PROPOSED PROJECT(S)		
<p>Project title: Establishment Cambodia Geographic Information Management and Dissemination Center (GDMC)</p> <p>This project is to establish the function as Geographical Information Management and Dissemination Center through the support for GIS unit in MPWT public works institution. Main components for cooperation are for the GIS technology management included data management, development, establishment of GIS database and GIS utilization technology in MPWT and other ministries.</p> <p>The components in detail are as follows;</p> <ol style="list-style-type: none"> 1. System establishment of geographical information utilization within the ministries 2. GIS management and distribution functions 3. GIS utilization for national rehabilitation planning 4. Consulting toward self-sustainability 		

地理情報整備調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2003 Domestic Survey)

The interest for the output of the Survey have been shown by several ministries, NGO and NPO since the workshop conducted during the Survey. For example, Ministry of land established in 2001 started a cadastre survey project under World Bank finance in 2002, and in request of above project, JICA donated the digital aerial photographs and GIS data created in this Survey. JICA also supplied the final and intermediate data including satellite image to CMAC, a mine removal organization, JAHDS, a Japanese NPO, English HALO TRUST and so on.

As a 'follow up' project, besides the plan of 'Establishment of Cambodia Geographic Information Management and Dissemination Center', 'Follow Up Project for this Survey' is now carrying out from September 2003 to March 2004. The components of this project is field verification of Phase I data, updating by newly taken aerial photographs and training course for users of GIS data. The participants of this course, which was already started, are from MPWT and new medical field of application of GIS as Human Recourse Development Office of Co-Medicals Project. Department of Forest as a GIS user is scheduled to dispatch their engineers to every training course for enhancing the development of human resources within their Department.

(FY 2004 Domestic Survey)

No progress.

(FY 2004 Overseas Survey)

1 Follow-up Study: Update and dissemination of study results and GIS training to concerned agencies.

1) Study Period: August 2003 - March 2004

2) Technical Cooperation:

- Dispatch of experts: 26 Japanese experts and business costs of concerned agencies.

- Other Cooperation: 3 workshops in September 2001 (in MPWT), March 2002 (in MPWT), and March 2003 (in Sunway Hotel) was held joined by major institutions in Cambodia, such as Road Development, MPWT; National Geographic Institute, Ministry of Land Management, Urbanisation and Construction; Ministry of Rural Development; Forest Department, Ministry of Agriculture, Forestry and Fisheries; CMAC; Cambodian Mekong Rive Committee; Institute of Technology of Cambodia; Mekong River Commission; Ministry of Mines and Energy; Airport Construction, MPWT; Labour Department, MPWT; Maeda Construction Company; JAHDS (NGO); and JICA Cambodian Office.

- Corresponding to the research report, 3 discussions were held with MPWT

- Technical transfer to MPWT, which has implemented Phase 1 and 2 of the project

- Development of website.

2 Other progress:

1) April 2001 - March 2003: "Study on Developing GIS Dataset of Cambodia" (Phase 2 is to supplement Phase 1, which IC/R was made clear to MPWT, holding a discussion with MPWT, and preparing a operation manual and documents for workshop III to visualise study results and to actuate the system to be used in participated agencies.).

2) August 2003 - March 2004: A follow-up study with the objectives to disseminate and update GIS database and geographical maps, and to conduct GIS training.

(FY 2005 Domestic Survey)

No information to be specifically mentioned.

STUDY SUMMARY SHEET (M/P+F/S)

ASE KHM/S 203/02

1. COUNTRY	Cambodia	
2. NAME OF STUDY	The Study on Groundwater Development in Central Cambodia	
3. SECTOR	Social Welfare / Disaster Relief	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Rural Water Supply of the Ministry of Rural Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Dec.2000 ~ Apr.2002 16month(s) ~	
8. SITE OR AREA	M/P: Kampong Cham and Kampong Chhnang Provinces F/S: Kampong Cham and Kampong Chhnang Provinces	
9. MAJOR PROPOSED PROJECT(S)		
<p>F/S:</p> <p>Based on the results of the study, water supply systems composed of hand pumps and a well were constructed in 131 villages in urgent need from five districts (Memot, Pohea Kraek, Dambae, Tboung Khmum, Ou Reang Ov) in the Province of Kampong Cham, where ground water potential is high. Furthermore, O&M training activities were held and O&M equipment was procured as a soft component so that the residents of the villages themselves could carry out operation and maintenance.</p> <p>Phase 1: 28 villages, water supply system composed of hand pumps and well (121 sites) Phase 2: 55 villages, water supply system composed of hand pumps and well (236 sites) Phase 3: 48 villages, water supply system composed of hand pumps and well (169 sites)</p>		

中部地下水開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2003 Domestic Survey)

In November 2003, a preliminary study was conducted by the JICA Study Team under Japan's grant aid program.

(FY 2004 Domestic Survey)

B/D on southern/central rural drinking water supply plan in Kampong Cham district is conducted from September 2004 to March 2005. Final report will be published in the end of February 2005.

(FY 2004 Overseas Survey)

1. Subsequent Studies: F/S, construction has been implemented in Kampong Cham district.
2. Funding; Grant Aid, prospected to be approved in 2005.

(FY 2005 Domestic Survey)

Subsequent study: B/D on southern/central rural drinking water supply plan

Implementing body: JICA

Objective: Improvement of supply ratio of safe water

Subsequent project: Rural drinking water supply plan in Kampong Cham district

Funding:

Funding party: Yen Loan E/N signed on 10 June 2005

Amount: 434 million JPY

Content: Construction of 380 water supply wells in 115 villages, and supply of examination equipments for survey

STUDY SUMMARY SHEET

(F/S)

ASE KHM/S 304/02

1. COUNTRY	Cambodia		
2. NAME OF STUDY	The Feasibility Study on the Improvement of National Road No.1 (Phnom Penh - Neak Loueng Section) in the Kingdom of Cambodia		
3. SECTOR	Transportation / Road		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI) Katahira & Engineers Inc.		
7. STUDY PERIOD	Apr.2002 ~ Mar.2003 11month(s) ~		
8. SITE OR AREA			
9. MAJOR PROPOSED PROJECT(S)			
<p>1.To secure funding for road rehabilitation Bilateral assistance or multilateral assistance from UN agencies will be requested to implement rehabilitation projects.</p> <p>2. To secure road way with 30m width (including resettlement of houses and public facilities located inside of the road way)</p> <p>3.To introduce development measures on roadside area</p> <p>4.To maintenance 2 temporary light bridges which are to be utilized till the construction starts</p> <p>5.To control overloaded cars</p> <p>6. To secure funding for road maintenance and management</p> <p>7.To rehabilitate waterway along with the KORUMATARJU floodgate located in targeted area</p> <p>8.To formulate protection measures of Mekong-river to prevent erosion</p> <p>9. To implement survey on Mekong-river bridge at the crossing point of NEAKKURUN ferry</p> <p>10.To make comprehensive examinations over improvement plans and policies of Chbar Aampov intersections, which has been bottleneck of the Route1.</p>			

国道1号線プノンペン～ネアックルン区間改修計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 2003 Domestic Survey) No information</p> <p>(FY 2004 Domestic Survey) No information.</p> <p>(FY 2004 Overseas Survey) Delays have been seen due to problems occurred in resettlement. Two missions were dispatched for the resettlement. Negotiation and process for the commission contract have been completed at this point.</p> <p>(FY 2005 Domestic Survey) Actualisation of the project was delayed due to resettlement and land acquisition, though the B/D was launched in FY 2004 and tender for the construction was commenced in November 2005. Although the F/S of the second Mekong bridge is being conducted by PCI, implementation of the main bridge has not been clarified.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE KHM/S 201/03

1. COUNTRY	Cambodia	
2. NAME OF STUDY	The Study on Regional Development for the Phnom Penh - Sihanoukville Growth Corridor	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Commerce
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. International Development Center of Japan (IDCJ) KRI International Corporation	
7. STUDY PERIOD	Feb.2002 ~ Jun.2003 16month(s) ~	
8. SITE OR AREA	M/P: Phnom Penh-Sihanoukville Corridor (Phnom Penh, Sihanoukville, Kampong Spueu, Kamot, Takaev, Kandal and Kaoh Kong) F/S: Sihanoukville Social Promotion Zone (a place behind Sihanoukville Port)	
9. MAJOR PROPOSED PROJECT(S)		
M/P:		
1. Priority Project for the Economic Development of Growth Corridor		
2. Priority Projects for the Social Development of Growth Corridor		
3. Priority Projects for the Infrastructure Development Growth Corridor		
F/S		
F/S on Sihanoukville Port Free Zone		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2004 Domestic Survey)

A bill for a Special Economic Zone is discussed in Council of for the Development of Cambodia.

(FY 2004 Overseas Survey)

Most of priority projects haven't been implemented yet and will wait for the establishment of related roads and decrees. However, the Feasibility Study of Sihanoukville Special Promotion Zone (SPZ) had been completed and a draft law on SPZ (priority project E-2) was formulated. Cambodian Government is expected to realize these proposals and in this regards roundtable meeting were held five times in order to discuss how to realize and implement proposed SPZ.

(FY 2005 Domestic Survey)

Subsequent study: Special Economic Zone (SEZ) Institutional Development SAPROF

Implementing period: July 2005-November 2005

Implementing body: JBIC

Objective: To develop soft components, such as establishment of legal framework, development of institution, and identification of new market in order to establish SEZ in Sihanouk Ville

Funding:

Funding party: Yen Loan L/A expected to be signed on March 2006

Amount: 300 million JPY

Requested date: July 2005

Situation: Conclusion of L/A is prospected. The loan only includes consulting service fees for B/D and D/D.

STUDY SUMMARY SHEET (M/P+F/S)

ASE KHM/S 201/04

1. COUNTRY	Cambodia	
2. NAME OF STUDY	Study on Solid Waste Management Phnom Penh Municipalitie in the Kingom of Cambodia	
3. SECTOR	Administration / Environmental Problems	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Public Works and Transportatoin (DPWT)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Feb.2003 ~ Mar.2005 25month(s) ~	
8. SITE OR AREA	Municipality of Phnom Penh	
9. MAJOR PROPOSED PROJECT(S)		
M/P:		
1. Collection services to uncollected and insufficiently collected areas		
2. Establishment of adequate final disposal system		
3. Land acquisition for final disposal site		
F/S:		
1. Construction of new disposal site		
2. Expansion of waste collection service		
3. Closure of existing disposal site		

プノンペン市廃棄物管理計画調査 (地球環境部)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2005 Domestic Survey)

Subsequent study: B/D on Phnom Penh Waste Management

Funding

Funding party: Yen Loan

Contents: Construction of new waste disposal site, procurement of waste collection and operational equipments.

STUDY SUMMARY SHEET (Other Studies)

ASE IDN/S 601/74

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Solo River Basin Development (Follow-Up)	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	Other Studies	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)		
7. STUDY PERIOD	Nov.1974 ~ Mar.1975 4month(s) ~	
8. SITE OR AREA	Central part of Java, Solo River basin (16,000sq.km, population 10 million)	
9. MAJOR PROPOSED PROJECT(S)		
<p>After the completion of the Master Plan Study in July 1974, this follow-up study gave technical guidance on topographic mapping and underground water boring.</p>		

ソロ河流域開発計画アフターケア

PRESENT STATUS	In Progress or In Use Delayed Discontinued
-----------------------	--

Description :

(FY1995 Domestic Survey)

No additional information.

Data are not available as the person in charge had been shifted to the other place.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 101/75

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Java Regional Study, East Java	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works and Power
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ)	
7. STUDY PERIOD	Jul.1975 ~ Dec.1975 5month(s) ~	
8. SITE OR AREA	East Java Province (47,922 sq.km)	
9. MAJOR PROPOSED PROJECT(S)		
<p>Based on the selected development strategy, the study proposed 7 priority programs and 2 supporting measures as follows.</p> <p>Priority Programs:</p> <ul style="list-style-type: none"> (1) Industrialization Program (institutional requirements) (2) Water Resources Development Program (flood control and irrigation development in Solo and Brantas river basins) (3) Madura Agricultural Development Program (cattle fattening, freshwater aquaculture, suitable upland crops) (4) Southern Coast Development Program (port development, mining) (5) Rural Development Program (strengthening of agricultural coops & INPRES programs) (6) Community Facility System Development Program (study of available service facilities and development planning) <p>Supporting Measures:</p> <ul style="list-style-type: none"> (7) Professional Education Program (8) Strengthening of BAPPEDA 		

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>Finance and Construction: Some projects of the Water Resources Development Program (as follows) are implemented or in process financed by OECF loan. 1-Wonogiri Multi-purpose Dam and Irrigation Development 2-River channel improvement of upstream Solo River and Madiun River 3-Flood control of midstream Brantas River</p> <p>Detail: Of the six priority programs, the southern coast development program and the rural development program were selected for another M/P study, "Southern Coast Development Plan, East Java," was undertaken during FY1978 - 1979.</p> <p>(FY 1993 Overseas Survey) The JICA Study was completed about 18 years ago. The Indonesian counterparts at the time of study are no longer working at the BAPPENAS nor Provincial BAPPEDA and no information is available on how the Study's proposals were utilized subsequently. The growth pattern of provincial economy since the latter half of the 1970s roughly concurs with the "pulling-from-the-top" strategy in that the Surabaya/Gresik axis has been landing the agglomeration of industrial and other economic activities in the province. The rapid growth of Surabaya has been spreading along the trunk roads to the surrounding cities. According to the 15-year Provincial Spatial Design Structure Plan (RSTRP) of 1990, the first priority for rural development was assigned to the southern coastal area and the second priority to Madura Island. In other hands, the situation of underdevelopment still remains unchanged since the time of the JICA Study 18 years ago. The 1st priority for urban development is now shifting toward the secondary cities away from the Surabaya metropolitan area.</p>	

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 301/75

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Wonogiri Multipurpose Dam Project	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd. Japan Engineering Consultants Co., Ltd.	
7. STUDY PERIOD	Nov.1974 ~ Oct.1975 11month(s) ~	
8. SITE OR AREA	Upstream area of Solo River Basin (Kab. Wonogiri), in Central Java Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>1. Dam and reservoir Dam: Catchment area: 1,350 sq. km, Rockfill type, Crest elevation: 141.60m SHVP, max. height of dam: 37.5 m, Crest length: 1,440m, Embankment volume: 1.8 cu. m Reservoir: Gross storage capacity: 730 million cu. m, Sediment storage capacity: 120 million cu. m, Effective storage capacity: 440 million cu. m, Flood control capacity: 220 million cu. m</p> <p>2. Irrigation Irrigation area: 23,600 ha; Colo diversion weir: Concrete weir, Height of weir: 10 m, Length of weir: 108m; Irrigation canal: Length of main canal: 89.5 km, Length of secondary canal: 144.9 km; Crossing: 17 siphons, 16 aqueducts, 95 culverts, 183 bridges, 49 turnouts, 6 checkgates and 3 regulating reservoirs</p> <p>3. Power station Turbine: 2 units of 5,100kW vertical shaft Kaplan type, Generator: 2 units of 6,375 kVA alternate current generators</p> <p>4. Flood control (River improvement) Improved section: Nguter - Surakarta, Length of the section: 32.2 km along the main river and 17.5 km along the tributaries, Design discharge (after dam regulation): 1,600 cu. m/sec at beginning section (Nguter) and 2,000 cu. m/sec at end section (Surakarta)</p>		

ウオノギリ多目的ダム建設計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Jan.1976 L/A 430 mil.Yen (Wonogiri Multi-Purpose Dam Construction Project E/S)

Mar.1977 L/A 513 mil.Yen (Wonogiri Irrigation Project E/S)

Jun.1977 D/D on Dam and Power plant completed

Finance:

Aug.1977 L/A 9,807 mil.Yen (Wonogiri Multi-purpose Dam Construction Project)*1

Feb.1979 L/A 9,800 mil.Yen (Wonogiri Irrigation Project)*2

Mar.1979 L/A 3,400 mil.Yen (Wonogiri Water-Power Plant Project)*3

(reduced to 1,503 mil.Yen in Nov.1983)

*Contents of OECF loan

*1.Construction of Multi-purpose dam at Upper Solo River

1)Reservoir:total capacity 730 mil.m3, effective storage 440 mil.m3.

2)Dam:a)Main Dam (Rockfill type):hight 42m, length 800m

b)Sub Dam:hight 16m, length 1,000m

*2.1)Irrigation area 23,200ha

2)Cholo diversion weir

3)Irrigation canal (main canal, 95km, secondary canal 80km)

*3.Water-power Plant Project

1)Water wheel, Power plant:7,750kVA x2, power output 12,400kw

2)20kV Cable:40km

3)Communication device

Construction:

Feb.1981 Completed

Factors for promotion:

(1) large impact: the first project on Solo River was expected to solve the problem of flood in Surakarta.

(2) high priority: contribution to food self-sufficiency.

(3) strong administrative support: compatible to the strategy of the 5-year development plan.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 301/76

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Wonogiri Irrigation and Upper Solo River Improvement Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd. Japan Engineering Consultants Co., Ltd.	
7. STUDY PERIOD	Jan.1976 ~ Sep.1976 8month(s) ~	
8. SITE OR AREA	Area with 5km wide and 60km long along the Solo river (population is 25 million centering on Surakarta city of Java island)	
9. MAJOR PROPOSED PROJECT(S)		
<p>Note: One study consists of this study and Wonogiri Irrigation and Upper Solo River Improvement Project study (Social Infrastructure/River & Erosion control). The above project costs are for: 1) total 2) irrigation 3) river improvement. In addition to these, 4) dam and reservoir (total: 115,200, local: 88,250 and foreign: 26,970) and 5) hydroelectric power station (total: 16,530, local: 2,250 and foreign: 14,010) were calculated.</p> <p>1. Irrigation 1) Colo intake weir: Concrete weir, Height of weir: 10m, Length of weir: 108m 2) Irrigation canal: a. Irrigation area: 23,200ha b. Length of main canal: 93.8km c. Length of secondary canal: 81.2km d. Length of tertiary canal: 928km in total 3) crossings: 48 turnouts, 13 gates, 27 siphons, 16 head races and 259 bridges</p> <p>2. River improvement 1) Improvement area: Nguter railway bridge-Jurug road bridge, Surakarta city 2) Length of river improvement: 33km along Solo River and 30.5km along eight tributaries 3) Designed discharge after dam construction: 1,050 cu.m/s at Nguter railway bridge and 2,000 cu.m/s at Jurug road bridge 4) two retarding basins (capacity: 27 million cu.m and 18 million cu.m) 5) Length of bank protection: 7km 6) 395 spur dikes (13km) 7) 32 sluice-ways 8) Length of drains for water inside dikes</p> <p>3. Wonogiri Dam 1) Catchment area: 1,350 sq.km 2) Rockfill type dam 3) Fill: 18 million cu.m 4) Intake capacity for irrigation at Colo weir: 400 million cu.m 5) Intake capacity for river maintenance: 30 million cu.m</p> <p>4. Water power station 1) Turbines: two units of 5,100kW Kaplan-type turbines 2) Generator: two units of 6,375 kVA generators 3) Maximum output: 10,200 kW 4) Yearly average output: 28,200 MWh</p>		

ウオノギリダムかんがい及び河川改修計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p><Wonogiri Irrigation Project> Subsequent Studies: Mar.1977 L/A (E/S, 513 million yen) 1977 - 1979 D/D undertaken (Nippon Koei Co.)</p> <p>Finance: Feb.1979 L/A (9.8 billion yen) Contents of OECF Loan: - Irrigation development (23,200 ha) - Intake weir at Colo (height 8.68m, length 111.75m) - Irrigation canals (main 95km, branch 80km)</p> <p>Construction: 1980 - 1986 Construction implemented (Nippon Koei Co.,)</p> <p>(FY 1993 Overseas Survey) In 1992 a working unit has been established by provincial government which was intended for undertaking operation & maintenance of right main canal of Wonogiri Irrigation area. Left main canal of Wonogiri irrigation is now under construction, and nearly completed. Upon completion of left main canal, the operation & maintenance will be handed over to provincial government.</p> <p>Detail: (FY1994 Domestic Survey) Operation of the dam and irrigation facilities have been commenced immediately after the completion and are well managed at present. A modification of a cropping pattern due to change of the government policy enabled saving of irrigation water. Therefore,GOI is extending the irrigation area by itself.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 302/76

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Wonogiri Irrigation and Upper Solo River Improvement Project	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Solo River Basin Development Project
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd. Japan Engineering Consultants Co., Ltd.	
7. STUDY PERIOD	Jan.1976 ~ Sep.1976 8month(s) ~	
8. SITE OR AREA	Surakarta Area (downstream reach at Wonogiri Dam, Middle Java)	
9. MAJOR PROPOSED PROJECT(S)		
<p>Note: One study consists of this study and Wonogiri Irrigation and Upper Solo River Improvement Project study (Agriculture/General). The above project costs are for: 1) total 2) irrigation 3) river improvemet. In addition to these, 4) dam and reservoir (total: 115,200, local: 88,250 and foreign: 26,970) and 5) hydroelectric power station (total: 16,530, local: 2,520 and foreign: 14,010) were calculated.</p> <p>1. Irrigation 1) Colo intake weir: Concrete weir, Height of weir: 10 m, Length of weir: 108 m 2) Irrigation canal: a. Irrigation area: 23,200 ha, b. Length of main canal: 93.8 km, c. Length of secondary canal: 81.2 km, d. Length' of tertiary canal: 928 km in total 3) Crossings: 48 turnouts, 13 gates, 27 siphons, 16 head races and 259 bridges</p> <p>2. River improvement 1) Improvement area: Nguter railway bridge-Jurug road bridge, Surakarta City 2) Length of river improvements: 33km along Solo River and 30.5 km along eight tributaries 3) Designed discharge after dam construction: 1,050 cu.m/s at Nguter railway bridge and 2,000 cu.m/s at Jurug road bridge 4) two retarding basins (capacity: 27 million cu.m and 18 illion cu.m) 5) Length of bank protection: 7 km 6) 395 spur dikes (13 km) 7) 32 sluice-ways 8) Length of drains for water inside dikes</p> <p>3. Wonogiri Dam 1) Catchment area: 1,350 sq.km 2) Rockfill type dam 3) Fill:18 million cu.m 4) Intake capacity for irrigation at Colo weir: 400 million cu.m 5) Intake capacity for river maintenance: 30 million cu.m</p> <p>4. Water power station 1) Turbines: two units of 5,100 kW Kaplan-type turbines 2) Generator: two units of 6,375 kVA generators 3) Maximum output: 10,200 kW 4) Yearly average output: 28,200 MWh</p>		

ウオノギリ多目的ダム計画関連灌漑及び河川改修計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>1.Large economic impact 2.High priority 3.Good financial position 4.Stable political background</p> <p><Upper Solo River and Madiun River Improvement Project> Subsequent Studies: Sep.1981 L/A 805 mil.Yen (Upper Solo River and Madiun River Improvement Project E/S)</p> <p>Finance: Dec.27.1985 L/A 4,746 mil.Yen (Upper Solo River and Madiun River Improvement Project) (expansion of river, excavation, short-cut, embankment)</p> <p>Construction: Mar.1988 Started Oct.1994 Completed</p> <p>Note: The OECF loan above was for Packages 1 and 2 of the Phase I construction. Because of the large Rupiah devaluation, the implementation left a large loan balance, which was then used to construct Packages 3, 4 and 5.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 303/76

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Central and East Java Road Betterment Project	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Bina Marga (Directorate General of Highways, Ministry of Public Works)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Mitsui Consultants Co., Ltd.	
7. STUDY PERIOD	Nov.1975 ~ Aug.1976 9month(s) ~	
8. SITE OR AREA	Cilacap - Malang Corridor	
9. MAJOR PROPOSED PROJECT(S)		
Improvement of road condition in four routes connecting Central and East Java provinces [Project Routes]		
ROUTE 1: Buntu - Pringsurat 145.2 km		
ROUTE 2: Salaman - Purworejo 27.2 km		
ROUTE 3: Surakarta - Wonogiri 32.2 km		
ROUTE 4: Ponorogo - Biltar 117.5 km		
TOTAL 322.1 km		

中東部ジャワ道路改良計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Apr.1977 L/A 226 mil.Yen (Central and East Java Road Improvement Project E/S) Sep.1979 D/D completed</p> <p>Finance: Jun.1980 L/A 3,600 mil.Yen (Central and East Java Road Improvement Project)</p> <p>Construction: Nov.1987 Construction completed</p> <p>Realized Project: target area - Central and East Java component of project - 170km of road construction 2 tracks, 3 sections (*1) total cost - Rp.20 billion and 335.3 million (including escalation)</p> <p>(*1)Road improvement of 170km Buntu-Wonosobo Section (Central Java) Wonosobo-Secang Section (Central Java) Ponogoro-Blitar (East Java)</p> <p>*This study will not be followed up from FY 1997. (the proposed projects have been completed)</p> <p>Promoting factors: (1) Benefit: Economic development was greatly promoted along the routes of Cilacap-Malang and Cilacap-Semarang. (2) The completion of this roads has had a great repercussions in the close relation to the other project roads of the same district; Semarang-Magelang, Magelang-Purworejo, etc. (3) Top priority : These roads are playing a very important role in the development of Central and East Java in as much as they connect the Southern and Northern Coasts of Java.</p>		

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 102/77

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Java Regional Study: Central Java	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Urban Planning and Housing, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ)	
7. STUDY PERIOD	Dec.1976 ~ Nov.1977 11month(s) ~	
8. SITE OR AREA	Central Java Province (34,206 sq.km)	
9. MAJOR PROPOSED PROJECT(S)		
<p>The study selected as high priority development areas two large blocks which are further subdivided into six small blocks as shown below, and indicated core development sectors for each small block.</p> <p>I-A Semarang(provincial capital) Industry : port dev., industrial estates, water supply, road, etc. Urban Dev.: urban planning, housing site dev., Kampung dev.</p> <p>I-B Dieng Plateau, Wonosobo Agro-tourism: roads, agri. land dev, hotels/resourts, power supply, etc.</p> <p>I-C Magelang, Temanggung, Kopeng, Bandungan Tourism/Resourt: hotels/resorts, Restoration of historic assets, etc. Agriculture/Agro-processing: extension services, marketing, etc.</p> <p>I-D Demak, Kudus, Jepara Agriculture/Agro-processing: reservoirs, drainage, marketing, etc. Industry: extension services, better access to Semarang, etc.</p> <p>II-A Cilacap Industry: power and water supply, industrial sites, access, etc. Marketing: better access to loans</p> <p>II-B Purwokerto, Banyumas, Baturaden Agriculture/Resort/Education & Culture</p>		

中部ジャワ州総合開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Utilization of the Development Frame

(1) The development frame proposed by the JICA Study, notably the spatial frame of development potentials and the selected priority areas for development, was used as the basis for the 3rd 5-year Development Plan (1979/80 - 83/84)

(2) The development frame was modified on the basis of the performance evaluation study conducted in 1982 and used as the basis for development planning for the 4th 5-year Development Plan (1984/84 - 88/89)

(3) The spatial frame of development potentials as proposed by the JICA Study was used, with some modifications, as the conceptual basis for formulating the 15-year Provincial Spatial Design Structure Plan (RSTRP) in 1991. The province is subdivided into three areas by the level of productivity: namely, (i) high productivity areas (roughly coincide with Semarang and the Development Belt), (ii) lower productivity areas (Cilacap/Banyumas) and (iii) lowest assessment, three alternative development strategies are proposed for the selected priority areas.

(1) Industry and Industry-supporting Development

Finance:

Development of Semarang Port

Mar.1979 L/A 480 mil yen (E/S)

Mar.1981 L/A 2,805 mil yen (Phase I)

Mar.13.1987 L/A 545 mil yen (Phase II, E/S)

Dec.8.1987 L/A 2,420 mil yen (urgent reinforcement construction)

Sep.25.1991 L/A 7,530 mil yen (Phase II-1)

Sep.1992 L/A 3,550 mil yen (Phase II-2)

Urban planning and development in Semarang

UNDP/WB 1st IUIDP (urban facilities, water supply)

2nd IUIDP (urban planning and development in Semarang)

Construction:

- Industrial park and/or estates established in Semarang

- Kretek tobacco industry and printing industry development in Kudus

- Agro-processing development in Magelang and Dieng Plateau (e.g. mushroom production and canning)

- Development of Semarang Port financed by the OECF Loans (Phase-1 construction completed, Phase-2 construction under implementation)

- Urban planning and development in Semarang: implemented by the 2nd IUIDP from 1994

- Petrochemical complex and an industrial estate developed in Cilacap

(2) Tourism Development

Subsequent Studies:

Semarang-Yogyakarta Complex

1993 the central Java and Yogyakarta Bridging Study completed by UNDP/UNESCO

Finance:

National Archeological Parks at Borobudur/ Prambanan

Apr.1980 L/A 440 mil yen (E/S)

Mar.1981 L/A 2,805 mil yen (restoration/ construction)

Construction:

Construction completed in national Archeological Parks

Agro-Tourism being developed in Semarang and Magerang.

Hotel, resort equipment improved in Semarang and Magerang.

(3) Agricultural Development

Construction:

- Irrigation development in Demak-Kudus Area: Jeratunseluna Project has been under implementation since the 4th 5-year Development Plan.

-High-Altitude Agriculture under development in Dieng Plateau

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 304/77

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development Plan of the Banjarmasin Port	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	Oct.1976 ~ Aug.1977 10month(s) ~	
8. SITE OR AREA	Kalimantan, South Kalimantan Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>1.Estimated annual throughput of Banjarmasin Port is 3.74 million tons and corresponding 130ha terminal area will be prepared.</p> <p>2.To handle the above cargo, 5.6km-long whay is planned. The followings are new facilities.</p> <ul style="list-style-type: none"> - Wharf L : 740m D : -10m - Wharf L : 1,170m D : -6m - Wharf L : 1,770m D : -4m - Wharf L : 1,000m D : -2m - Warehouse 72,000sq.m 		

バンジャルマシシン港開発計画

<p>PRESENT STATUS</p>	<p>Completed or In Progress</p> <p>Completed</p> <p>Partially Completed</p> <p>Implementing</p> <p>Processing</p>	<p>Promoting</p> <p>Delayed or Suspended</p> <p>Discontinued or Cancelled</p>
<p>Description :</p> <p>High priority</p> <p>Subsequent Studies: Oct.1984 F/S reviewed Jun.1985 Detailed design completed</p> <p>Finance: ADB loan</p> <p>Construction: Nov.1991 completed</p> <p>Project Outline: Wharf: 320m long and 9m deep Wharf: 500m long and 5m deep Total project cost US\$55 million</p>		

STUDY SUMMARY SHEET (Other Studies)

ASE IDN/S 602/77

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Brantas River Basin Development Plan (Follow-Up)	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	Other Studies	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resource Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)		
7. STUDY PERIOD	Mar.1978 ~ Mar.1978 0month ~	
8. SITE OR AREA	Wuringi dam of Brantas River	
9. MAJOR PROPOSED PROJECT(S)	<div style="border: 1px solid black; width: 100%; height: 15px; margin-bottom: 5px;"></div> <p>The study examined the problem of seepage of the base ground of the Wuringi dam, and advised on the suitable construction methods.</p>	

ブランタス河(ウリングダム) アフターケア

PRESENT STATUS	In Progress or In Use Delayed Discontinued
-----------------------	--

Description :

(FY1995 Domestic Survey)

No information, as the consultants in charge are moved to some other unknown places.

STUDY SUMMARY SHEET (Other Studies)

ASE IDN/S 603/77

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Brantas Middle Reaches River Improvement Project (Follow-Up)	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	Other Studies	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)		
7. STUDY PERIOD	Aug.1977 ~ Sep.1977 1month ~	
8. SITE OR AREA	Midstream basin of Brantas River in East Java Province (about 110 km in length)	
9. MAJOR PROPOSED PROJECT(S)	<div style="border: 1px solid black; height: 15px; width: 100%; margin-bottom: 5px;"></div> <p>In order to facilitate the engineering service which was scheduled to be implemented with OECF financing, this follow-up study visited the middle reaches of Brantas River and clarified the basic approach in consultation with the Indonesian Government.</p>	

ブラントス河中流部河川改修計画アフターケア

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>Subsequent Studies: 1977.10.18 L/A 504 mil yen (Brantas Middle River Improvement E/S) *Contents of OECF loan D/D and arrangement of the tender documents for Brantas Middle River (from Lenkonbal dam to the junction of Nyulowo River, 111km)</p> <p>Finance: 1979.3.15 L/A 5,118 mil yen (Brantas Middle Rover Improvement) *Contents of OECF loan Improvement of Brantas Midle River, 111km (embankment, bank protection, dredging, excavation) 1985.2.15 L/A 6,000 mil yen (Brantas Middle River Improvement II) *Contents of OECF loan 1)Improvement of Brantas Middle River, 92km(embankment, bank protection, dredging) 2)equipment for the construction 3)flood forecasting/ warning system</p> <p>(FY 1996 Domestic Survey) (FY 1997 Domestic Survey)(FY 1998 Domestic Survey) It is impossible to collect the information as more than 20 years have passed since the completion of this Study.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 103/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	North and West Sumatra Tourism	
3. SECTOR	Tourism / (Tourism in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Tourism, Post and Telecommunication, Directorate General of Tourism
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Pacific Consultants International (PCI)	
7. STUDY PERIOD	May.1977 ~ Apr.1978 11month(s) ~	
8. SITE OR AREA	The Whole of North and West Sumatra Provinces	
9. MAJOR PROPOSED PROJECT(S)	<p>The fifteen-year master plan for tourism development (1980-1995) covered Karo Plateau area, the Lake Toba area and the Minang Highlands area. The main projects consist of</p> <ol style="list-style-type: none"> (1) Conservation of nature, (2) Conservation of scenery, (3) Conservation of cultural heritage, (4) Development of infrastructure and network, (5) Development of tourism facilities, (6) Development of tourist towns (Brastagi, Parepat and Bukittingi), etc. 	

スマトラ西部及び北部トバ湖周辺基盤整備計画

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>As more than 10 years passed since the formulation of the master plan, the review of the study was conducted in "The Study on the Integrated Regional Development Plan for the Northern Part of Sumatra"(JICA).</p> <p>Based on the results of the above study, the Directorate General of Tourism intends to promote tourism development in this region.</p> <p>(FY 1994 Domestic Survey)(FY1995 Domestic Survey) No additional information.</p> <p>(FY 1995 Overseas Survey) No additional information.</p>	

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 201B/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Ular River Improvement Project	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works.Indonesia
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NIKKEN Consultants, Inc. Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Jul.1976 ~ Jul.1978 24month(s) ~	
8. SITE OR AREA	Ular River basin in North Sumatra Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>The Overall Plan was composed of the river-channel improvement for the Ular River based on the design discharge of 800m³/s over a stretch of 35km from river mouth and the agricultural development plan over an area of 18,500ha situated in the lower Ular river basin. IN succession, Feasibility Study was made on the plan and the following works were proposed.</p> <p>(1)Flood Control</p> <p>a.Channel improvement work for the Ular River over a stretch of about 35km from river mouth up to Serbajadi Bridge.</p> <p>b.Channel Improvement work for Pulau Gambar Canal over a stretch of about 3.5km from the confluence with the Ular river up to the Sennah Divergence.</p> <p>The channel improvement works include channel excavation, dike embankment, construction of drainage sluices, etc.</p> <p>(2)Irrigation and Drainage Improvement</p> <p>a.Main irrigation canals: construction of new canals (2.6km), two intakes and 10stilling basins, improvement of canals (20.4km) and one intake.</p> <p>b.Secondary irrigation canals: construction of new canals(158.5km) and improvement of canals(51.5km).</p> <p>c.Drainage canals: improvement of main drainage canals(125km) and secondary drainage canals(136km).</p>		

ウラル河治水及び灌漑・排水改良計画 (M/Pはウラル河総合河川改修計画)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies

Mar.1979 L/A 420 mil yen (E/S)

Feb.1980-Apr.1981 D/D (by OECF loan)

1981 E/S completed

Finance:

May.1981 L/A 8,140 mil yen

Dec.1989 L/A 21,518 mil yen

Construction:

(FY 1994 Domestic Survey)

Jun.1982-Nov.1990 Construction and supervision of construction

1)Construction of river channel improvement works(34km) facilities(18,500ha)

3)Supervision of the above construction works

Dec.1989-Jun.1995 Additional detailed design and construction

1)To sustain the function of the existing irrigation/drainage facilities and flood control facilities by executing up-grading works

2)Additional detailed design and supervision of construction works

3)Preparation of detailed O&M manual

Nov.1995 All construction works completed (FY 1996 Domestic Survey)

Additional Construction:

(FY 1996 Domestic Survey)

-Jun.-Dec.1990 Additional Study

With respect to the improved channels, the study on the damage caused by flood, which took place after the improvement works, the formulation of proposals about the rehabilitation of damaged channels and the improvement of irrigation canals with accumulated sand, the designing of countermeasure works, the preparation of tender documents and the formulation of recommendation on the M&O were conducted. All works including construction works were completed in Nov.1995. They were implemented with the balance of the OECF loan for the main construction work (113 mil.Yen).

-Feb.1993-Jul.1993 Additional Study

With respect to the improved channels, D/D and construction works were implemented for the bank damaged by flood, which took place after the improvement work. As a difference from JICA proposals, taking the rapid urbanization of this area into account, one more bridge across the Ular River was constructed. All works including construction works were completed in Nov.1995. They were implemented with the balance of the OECF loan for the main construction work (100 mil.Yen).

Maintenance & Operation:

A M&O manual for the channel facilities and irrigation and drainage facilities was draw up in the process of C/S. It is considered that they will undertake M&O works, referring to the manual.

Effect:

The land, which had been left unused before the project, is now cultivated as rice field.

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

It took a while before an OECF loan was approved to implement E/S after the completion of F/S. Therefore, a part of side roads was constructed with the local fund. The reason why an OECF loan was not provided immediately after F/S was because Intra urban Tollway System Project was given higher priority.

Subsequent Studies:

Dec.1985 L/A 4,357 mil.Yen (Jakarta Tollway Project)

- *Project Content:1)Construction of South-West Ark and
2)E/S on the construction of Outer Ring road

Mar.1987 Proposal for E/S submitted

(PCI/Nippon Koei and three local consulting firms)

Mar.1988-Feb.1990 D/D

The following segments were added besides F/S recommending segments.

- *Chengkareng Access -Jakarta-Tangerang Tollway 8.2km
- *Jakarta Coastal Road -JI.Jakarta-Bekasi 6.2km

(FY 1995 Domestic Survey)

PCI has been undertaking D/D and C/S in the following segments.

Punjalingan J/C (outer-circle-Airport) Oct.1995, D/D completed.

Sec-S:8.8km (Cicrotat-Jagorabi) Jan.-Aug.1994, D/D

Sep.1994-Jan.1996, C/S

Sec-E1 (Jurrabi-Cikampek) Jan.-Nov.1995, D/D

Sec-N,E2/E3 (N-S Link-Cikampek) Sep.1994-Jul.1995, D/D

Aug.1995- , C/S

Finance:

BOT scheme

Construction:

The project was divided into seven segments.

Construction Traders:PT Jaya and PC Citra Lamtoro Gung Persada and an other company.

Section S was completed and collecting toll is underway. Other sections are delayed or suspended after the completion of D/D due to the shortage of funds of the investors. Although the government is seeking new partners to resume the project, outlook for the resumption is vague.

Effect:

The improvement of side roads has been implemented as well as the Tollway, which results in the development of the area along the roads.

Promoting factor:

- (1)Important element in Metropolitan Jakarta Tollway network, expected to induce development and downtown dispersion
- (2)Included in the general M/P as a portion of Metropolitan Jakarta Tollway network
- (3)Increased urgency to construct side roads before the tollways thereby E/S became necessary
- (4)Counterpart agency is highly experienced
- (5)Private sector back up in Japan

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 306/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Expansion Project of the Bitung Port	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Pacific Consultants International (PCI)	
7. STUDY PERIOD	Jul.1977 ~ Mar.1978 8month(s) ~	
8. SITE OR AREA	North Sulawesi Province, North part of Sulawesi island	
9. MAJOR PROPOSED PROJECT(S)		
<p>Bitung Port is situated north of Sulawesi island, key point of local sea traffic. To handle 2.4 million tons in 1985, the following facilities are planned.</p> <ul style="list-style-type: none"> - Wharf L : 690m D : -5.5m - Wharf L : 130m D : -3.0m - Warehouse 15,650sq.m - Road 44,100sq.m 		

ピトン港拡張計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Sep.1993~Mar.1994 F/S review (JICA)
 (Integrated Modernization Plan for Sea Transportation in Eastern Indonesia)

Dec.1995 E/S 194 mil.Yen
 (Bitung Fishing Port Development Project E/S)

Finance:

Dec.1996 L/A 5,250 mil.Yen
 (Kupang Port/Bitung Port Development Project)

*Contents

Reclamation, dredging, construction of yard berth and installation of equipment

Background:

The projects were once suspended after the terminataion of this study.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 307/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development Plan of the Port of Semarang	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Japan Port Consultants Co., Ltd. Pacific Consultants International (PCI)	
7. STUDY PERIOD	Sep.1977 ~ Aug.1978 11month(s) ~	
8. SITE OR AREA	Central Java	
9. MAJOR PROPOSED PROJECT(S)		
Plan	High Projection	Low Projection
1. Wharf		
Deep sea general cargo wharf		
Cargo volume	870,000 t	780,000 t
Length of wharf	555 m	370 m
Number of wharfs	6	5
Regional harbor		
Cargo volume	860,000 t	740,000 t
Length of wharf	1,550 m	1,330 m
2.Length of breakwater	4,550 m	4,550 m

スマラン港開発計画(フェーズI)

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Mar.1979 L/A 480 mil.Yen (Development Plan of the Port of Semarang E/S)</p> <p>Finance: Mar.1981 L/A 17.3 bil.Yen (Development Plan of the Port of Semarang)</p> <p>*Contents of OECF loan (1) 1)Construction of maritime facilities (expansion of west seawall approx. 2,000m and others) 2)Dredging (approx. 3 mil.m2) 3)Construction of on-shore facilities (storage facility approx.35,000m2 and others) 4)Navigation support facility (2)Provision of port equipments (12 fork lifts and others)</p> <p>Construction: Jun.1986 Phase I construction completed</p>		

スマラン港開発計画(フェーズI)

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 308/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Hospital Facilities Improvement Project	
3. SECTOR	Social Infrastructure / Architecture & Housing	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Health
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)		
7. STUDY PERIOD	Apr.1978 ~ Oct.1978 6month(s) ~	
8. SITE OR AREA	Three provinces of North Sulawesi, South Sulawesi, and North Sumatra	
9. MAJOR PROPOSED PROJECT(S)		
<p>The study undertook the following tasks.</p> <ol style="list-style-type: none"> 1) Analysis of the present situation of medical services and proposals for improvement 2) Examination of the present medical equipment and supplies and proposals for improvement 3) Evaluation of hospital-related facilities and proposals for improvement 4) Analysis of the needs and possibilities of infrastructural development necessary to support the improvement of hospital services 		

病院整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Finance:

Aug.1979 L/A 3,783 mil.Yen (Medical Equipment Procurement)

*Contents of Project

Provision and installation of basic medical equipment, electric facilities, water supply facilities, water treatment facilities and operation guidance for 5 hospitals in North Sulawesi, 7 hospitals in South Sulawesi, 8 hospitals in North Sumatra.

STUDY SUMMARY SHEET (Basic Study)

ASE IDN/A 501/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Forest Inventory for Management and Logging in Central Java	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	PERUM PERHUTANI
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Forest Technical Association Asia Air Survey Co., Ltd. Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Nov.1976 ~ Mar.1978 16month(s) ~	
8. SITE OR AREA	An area of 350sq.km within the jurisdiction of Pekalongan Forest Office, Central Java Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>This project is a forest inventory works in the pine plantations within the jurisdiction of Pekalongan Forest Office, where is the training site for the technical cooperation for mountain logging practice project in Java.</p> <p>Aerial photography was implemented over the subject area of merkusi pine plantation under the jurisdiction of Pekalongan District Forestry Office, where located at Central Java Province of Indonesia. Using the aerial photos, aerial photo-interpretation on forest types and sample plot survey were conducted. After all the photo stand volume table was prepared.</p>		

中部ジャワ州ブカロンガン林業資源調査

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>Utilization of the Outputs: (FY 1997 Overseas Survey) The results of the study have been utilized for elaboration of forestry management plan.</p> <p>"Forest Inventory and Information System of Forest Resources" (FY 1997 Overseas Survey) The components of this project are almost the same as JICA's proposal.</p> <p>Finance: Government budget, BOT (Perum Perhutani)</p> <p>Situation: The technical cooperation for mountain logging practice project in Java was started in 1983 and complete in 1985.</p> <p>(FY 1994 Domestic Survey) No information.</p> <p>(FY 1994 Overseas Survey) Perum Perhutani conducted "Mountain Logging Practice" from 1982 to 1986. Since then, due to the change of the government policy, the area to provide raw material for pulp has moved from Central Java to Aceh and North Sumatra.</p> <p>(FY 1995 Domestic Survey) No additional information.</p>	

STUDY SUMMARY SHEET (Other Studies)

ASE IDN/S 604/78

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Wonogiri Irrigation and River Improvement Project (Follow-Up)	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	Other Studies	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Nov.1978 ~ Dec.1978 1month ~	
8. SITE OR AREA	Upper part of Solo River, from the Wonogiri Dam down to the City of Solo	
9. MAJOR PROPOSED PROJECT(S)		
<p>In order to handle the relocation and other related problems vis-a-vis the river channel improvement component of the Wonogiri multi-purpose dam project, this study reviewed the feasibility study and evaluated the phasing of the construction plan and recommended the optimum schedule of implementation.</p>		

ソロ河ウオノギリ多目的ダム関連河川改修計画アフターケア

PRESENT STATUS	In Progress or In Use Delayed Discontinued
-----------------------	--

Description :

Refer to "Wonogiri Irrigation and Upper Solo River Improvement Project (1976)" and "Madium River Urgent Improvement Project (1980)".

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 104/79

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Shipbuilding Industry Development	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communications, Ministry of Communications, and Directorate General of Basic Metal and Machinery Industry, Ministry of Industry
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Overseas Ship-building Cooperation Centre (OSCC)	
7. STUDY PERIOD	Sep.1977 ~ Nov.1977 2month(s) May.1978 ~ Dec.1978 7month(s)	
8. SITE OR AREA	18 major shipbuilding yards in Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>The study suggested to modernize four shipbuilding yards in order to meet the future demands for ship building and repair. The proposed targets are as follows.</p> <p>1) Ship building: 1983 90% of the annual demand (approx. 50,000GT) 1990 100% of the annual demand (approx. 94,000GT)</p> <p>2) Repair work: 1983 70% of the annual demand (approx. 1.4 million GT) 1990 100% of the annual demand (approx. 2.8 million GT)</p> <p>In addition, the study proposed the establishment of a supplies center which would import materials for ship building and repair, and a training center for manpower development.</p>		

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>Subsequent Studies: Among the 18 major shipbuilding yards examined by the study, a feasibility study was conducted on the Makassar Shipyard ("Reinforcement and Expansion Plan of P.T.IKI Makassar Shipyard at Ujung Pandang (1980)").</p> <p>(FY1995 Domestic Survey) For expansion of the Makassar (Ujung Pandang) shipyard, detailed survey, designing works, cost estimation and arrangement of tender documents had been carried out by Yen Credit during the period of 1987 to 1989. However, there is no corresponding as yet.</p> <p>*Refer to "Reinforcement and Expansion Plan of P.T.IKI Makassar Shipyard at Ujung Pandang (1980)"</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 107/79

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Central South Sulawesi Water Resources Development Project	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Planning and Programming
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd. System Science Consultants Inc.	
7. STUDY PERIOD	Dec.1976 ~ Jun.1978 18month(s) Aug.1978 ~ Mar.1980 19month(s)	
8. SITE OR AREA	The area centered by Lake Tempe,south Sulawesi	
9. MAJOR PROPOSED PROJECT(S)	<p>The project area is centered by Lake Tempe where the Walanae, the Bila, the Boya, and the Cenranae rivers flow in and out of the lake. The catchment is 8,000sq.km in area,and main projects hereinafter has been proposed for maximum use of these water resources.</p> <ul style="list-style-type: none"> - Irrigation: Area 81,000ha(9 irrigation plots) - Flood control: Extension by river improvement 117km - Fresh water fishery: prohibition of fishing for a whole year of lake Tempe, construction of hatcheries and fisheries. - Multi-purpose dam: Walimpong dam (Rockfill dam, height-82m, crest length-900m) - Hydro-electric power: Walimpong hydro-electric power station (output:8,000kw, 70GW/year) - Sabo: Sabo dam 12 plots, compacting plots-about 140. <p>The total cost above only pertains to the irrigation development.</p>	

南スラウェシ州中部水資源総合開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

This Master Plan suggested 7 development plans, of which 4 projects were implemented as follows.

(1) Langkemme irrigation project
Refer to 'Langkemme irrigation project (F/S)' (303/81)

(2) Bila irrigation project
Refer to 'Bila irrigation project (F/S)' (307/82)

(3) Sanrego irrigation project
Refer to Sanrego irrigation project (F/S)' (308/82)

(4) Giliraing irrigation project
Subsequent study:
Jun.1995 F/S (JICA)
28 Jun.1998 L/A 617 mil.yen "Gilirang Irrigation Project (E/S)"

Impact on Surrounding Area:
(FY 1996 Domestic Survey)
Nothing has been heard that the implemented projects have adversely influenced the environment of the surrounding area.

(5) Chenglanae Flood Control Project
Subsequent study:
(FY 1997 Domestic Survey)
Construction is going on using the balance of loan for Bila Irrigation Project.

Situation:
(FY 1997 Domestic Survey)
There is no perspective for realization of remaining proposed projects.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 302/79

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Riam Kanan Irrigation Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Asia Air Survey Co., Ltd.	
7. STUDY PERIOD	Jul.1978 ~ Mar.1979 8month(s) ~	
8. SITE OR AREA	Riam Kanan Area of South Kalimantan Province (Investigated Area 60,000ha)	
9. MAJOR PROPOSED PROJECT(S)		
<p>1. Total Irrigation Area : 32,610 ha (AI Zone 1,870 ha, BI Zone: 7,400 ha, CI Zone: 3,740 ha, DI Zone:11,520 ha, EI: 8,080 ha)</p> <p>2. Diversion weir : 1 place, height 9m, length 228m, max. intake discharge 34 cu.m/sec</p> <p>3. Main canal : 48.4 km</p> <p>4. Main drain : 53 km</p> <p>5. Main road : 122 km</p> <p>6. New paddy field: 5,150 ha</p>		

リアムカナンかんがい計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Sub-area B

Subsequent Study :

Mar.31.1980 L/A 450 mil.Yen (Riam Kanan Irrigation Project E/S)

1981~1983 D/D (Consultant:Nippon Koei Co.,Ltd)

Finance:

Jun.13.1984 L/A 8,636 mil.Yen

(Riam Kanan Irrigation Project Stage-I)*

*Contents of loan

1)Diversion weir

2)Main canals (primary 20km, secondary 50km)

3)Drainage canals (40km)

4)Tertiary canals (5,965ha)

Construction:

Dec.1992 Stage-I 5,965ha completed

Situation:

(FY 1994 Domestic Survey)

Department of Irrigation (Directorate General of Water Resources Development) aims to get OECF Loan for Stage-II works, of which irrigation area is about 10,000ha. However, land and agricultural development in about 6,000ha where irrigation and drainage facilities were completed with Stage-I works, are not progressed, especially introduction of new improved variety and double cropping paddy are not progressed. Since June 1992, a technical assistance by JICA are conducted for training on water management and modern farming practices under the Directorate of Food Crop, Ministry of Agriculture, in order to expand these technologies.

(FY 1994 Overseas Survey)

Although the construction of the first stage for 5,965ha in the Sub-area B was finished in Dec.1992, land development in the area is fairly delayed. According to the Ministry of Agriculture, approximately 2,500ha still needs development or rehabilitation.

(2)Sub-area C

Pilot Farm

Subsequent Study:

Aug.20.1981~Sep.18

Finance:

1982 E/N 760 mil.Yen

(Riam Kanan Irrigation Facility Construction) 600ha

Construction:

Mar.1982 Pilot Farm development

Mar.1983 Delivery to Indonesia

Mini Project-type Technical Cooperation:

Jun.1.1992~May.31.1995 Riam Kanan Pilot Farm Plan

(3)Sub-area A and D

(FY 1998 Overseas Survey)

The construction of irrigations drainage canals, and tertiary canals are planned in Stage-II works, but no action has been taken for realizing the project.

(3)Sub-area E

(FY 1998 Overseas Survey)

The construction is planned in Stage-III works, but no action has been taken for realizing the project.

Situation:

(FY 1994 Overseas Survey)

Since the extension of double cropping of an improved variety was unsuccessful, the Indonesian government requested technical support to Japan, and a long-term expert was dispatched in 1990.

Moreover, a "mini-project type technical cooperation" started in 1992. Some parts of the pilot farm were selected as "intensive instruction areas" for intensive training to transfer farming techniques to Indonesian counterparts. This project will be finished in May 1995. About a half of farmers started double cropping in the pilot farm.

(FY 1996 Domestic Survey)

Oct.1996~Mar.1997 OECF SAPS implemented.

*Contents of SAPS

Land classification and farmers potential survey were undertaken and recommendations on farmers encouraging plan and supporting plan were proposed.

(FY 1997 Domestic Survey)

The projects / construction recommended by SAPS are under implementation with own fund.

(FY 1998 Domestic Survey)

The government of Indonesia has the intention of implement the irrigation development by OECF fund. However, no action has been taken for realizing the project.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 309/79

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Expansion Project of the Port of Balikpapan	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	Jan.1979 ~ Nov.1979 10month(s) ~	
8. SITE OR AREA	Kalimantan, East Kalimantan Province	
9. MAJOR PROPOSED PROJECT(S)		
As the short-term development plan, following facilities are planned.		
<ul style="list-style-type: none"> - Wharf for foreign trade 330m - Wharf for small vessels 75m - Jetty 50m - Reclamation 905,000sq.m - Warehouse 6,000sq.m 		

バリクバパン港港湾整備計画

<p>PRESENT STATUS</p>	<p>Completed or In Progress</p> <p>Completed</p> <p>Partially Completed</p> <p>Implementing</p> <p>Processing</p>	<p>Promoting</p> <p>Delayed or Suspended</p> <p>Discontinued or Cancelled</p>
<p>Description :</p> <p>Subsequent Studies: Sep.1984 JICA F/S reviewed Jun.1985 D/D completed</p> <p>Finance: ADB financing Total project cost: US\$20.9 million</p> <p>Construction: 1991~93 implemented Investment cost : Rp.3,246,604,000 (FY 1993 Overseas Survey)</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 310/79

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Borobudur Prambanan: National Archeological Parks	
3. SECTOR	Tourism / (Tourism in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Tourism Directorate Transport Ministry
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) JCP Co., Ltd.	
7. STUDY PERIOD	Jul.1978 ~ Jul.1979 12month(s) ~	
8. SITE OR AREA	Central Java,Borobudur Prambanan	
9. MAJOR PROPOSED PROJECT(S)	<div style="border: 1px solid black; padding: 5px; min-height: 400px;"> <p>Review of existing reports and formulation of 1979-1989 detailed plan for the national archeological park centered around ruins of Borobudur Prambanan in Central Java.</p> </div>	

ボロブドール・ブランバナン国立史跡公園整備計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Apr.1980 L/A 440 mil.yen (Borobudur Prambanan National Archeological Parks Project E/S)</p> <p>Finance: May.1982 L/A 2,805 mil.yen (Borobudur Prambanan National Archeological Parks Project)* 1986 Local loan (345 mil.yen) 1987 Local loan (688 mil.yen)</p> <p>*Contents of Project Park preparation (Borobudur Park 82.9ha, Prambanan Park 76.6ha), tree planting, construction of road, museum, water supply and drainage, etc.</p> <p>Construction: Summer of 1988 completed</p> <p>Situation: (FY 1994 Domestic Survey) The follow-up of the project has been done by the survey of OECF and SAPS from Oct.1990 to March 1991.</p>		

STUDY SUMMARY SHEET (Other Studies)

ASE IDN/S 605/79

1. COUNTRY	Indonesia									
2. NAME OF STUDY	Jakarta-Merak Highway Project: Jakarta/Tangerang Freeway Financial Study (Follow-Up)									
3. SECTOR	Transportation / Road									
4. TYPE OF STUDY	Other Studies									
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Highways, Ministry of Public Works								
	PRESENT COUNTERPART AGENCY									
6. CONSULTANT(S)	Pacific Consultants International (PCI)									
7. STUDY PERIOD	Mar.1979 ~ Jun.1979 3month(s) ~									
8. SITE OR AREA	Road between Jakarta and Tangerang									
9. MAJOR PROPOSED PROJECT(S)										
<p>The Government of Indonesia promulgated the toll road Act in February 1978, and planned to apply the law to the operation of the Jakarta-Tangeran section (27km) of the Jakarta - Merak Highway (120km). The follow-up study reevaluated the project by financial analysis and suggested specific policy guidelines.</p> <p>The project road is at-grade type and 4-lane, 2-way with 100 km/hr design speed.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">Around Jakarta</td> <td style="text-align: right;">4.6 km</td> </tr> <tr> <td>Between Jakarta and Tangerang</td> <td style="text-align: right;">14.2 km</td> </tr> <tr> <td>Around Tangerang</td> <td style="text-align: right;">7.8 km</td> </tr> <tr> <td>Total length</td> <td style="text-align: right;">26.6 km</td> </tr> </table>			Around Jakarta	4.6 km	Between Jakarta and Tangerang	14.2 km	Around Tangerang	7.8 km	Total length	26.6 km
Around Jakarta	4.6 km									
Between Jakarta and Tangerang	14.2 km									
Around Tangerang	7.8 km									
Total length	26.6 km									

ジャカルタ - メラク間道路アフターケア

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(1)Jakarta-Merak

Subsequent Studies:

Mar.1987 L/A 2,057 mil.yen (Jakarta-Merak Toll Road 2 E/S)

West Tangerang-Merak, which is a part of Jakarta-Merak Toll Road (102km).

Finance:

BOT Scheme (Investor:PT Marga Mandala Sakti)

Construction:

(FY 1996 Domestic Survey)

Tangerang-Serag Bypass (including Tangerang-Tiujum) completed.

Maintenance & Operation:

PT Marga Mandala Sakti is in charge of M&O.

Effect:

The area along the constructed toll road has been rapidly developed. The relation between Sumatra-Jakarta has been promoted.

(2)Related Project (Jakarta-Merak)

Subsequent Studies:

Aug.1975 L/A 212 mil.yen (Jakarta-Merak Toll Road E/S)

Finance:

Nov.30.1977 L/A 12,514 mil.yen (Construction of Jakarta-Merak Highway)

*Project content:

1)Jakarta-Tangerang 25km (Takenaka Doboku)

2)Tiujum Bypass 3.8km (Hanbo Construction (S.Korea))

3)Serag Bypass 8.4km (Hanbo Construction (S.Korea))

Total: 37.2km

Construction:

Jakarta-Tangerang Completed

Maintenance & Operation:

PT Jasa Marga (Persero) is in charge of M&O.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 101/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Watershed Management Plan in Upper Musi Watershed, South Sumatra	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	The Directorate General of Forestry of The Republic of Indonesia
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Forest Technical Association	
	Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Nov.1977 ~ Mar.1980 28month(s) ~	
8. SITE OR AREA	An Area of 4,000 sq.km in Upper Musi Watershed, South Sumatra Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>The main components of the plan were proposed as follows:</p> <ol style="list-style-type: none"> 1. Conduct land use zonings in order fo secure the forest area; 2. Select production forests and exploit the forest resources in forest area; 3. Improve preventive functions of forest area against floods and erosions; 4. Confirm forest reserves and improve them; 5. Afforest the critical areas immediately in order to prevent erosions; and 6. Improve the agricultural infrastructure. 		

南スマトラ州ムシ河上流流域管理計画

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>Based on the proposed plan, the authorities concerned has implemented a re-afforestation project by self-financing. "South Sumatra Afforestation Project" was implemented from 1979 to 1987 as technical cooperation project by JICA.</p> <p>(FY 1994 Domestic Survey) No additional information.</p> <p>(FY 1994 Overseas Survey) The Indonesian government started five projects out of six suggested in the report of the studies: selection of forest reserve; forestation of the forest districts; checking-dam building; terrace construction, etc. by the Presidential fund of Reforestation and Regreening.</p> <p>(FY 1995 Domestic Survey) No additional information.</p> <p>(FY 1997 Domestic Survey) Proposed projects are being implemented not individually but within a comprehensive project.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 105/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Removal of Sunken Vessels	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communications, Ministry of Communications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Overseas Ship-building Cooperation Centre (OSCC)	
7. STUDY PERIOD	Oct.1979 ~ Feb.1980 4month(s) ~	
8. SITE OR AREA	Major ports in Indonesia, and the port of Surabaya for the case study	
9. MAJOR PROPOSED PROJECT(S)		
<p>In order to assist in the removal of sunken ships in the major harbours during the World War II, the study made a case study of the port of Surabaya and formulated a master plan concerning the appropriate techniques, necessary salvage equipment and boats, and training requirements.</p>		

沈船除去計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>Finance: By own funds (later, the project was postponed due to financial constraints)</p> <p>Construction/Project implemented: The 1st, 2nd five year plan approx.24,000 tons were removed The 3rd five year plan (1979-83) approx. 8,000 tons were removed The 4th five year plan approx. 1,500 tons were removed</p> <p>Detail: (FY 1993 Overseas Survey) Subsequently, the project was postponed due to financial constraints. The Government plans to remove approximately 16,500 tons of sunken vessels within the sixth five years development plan.</p> <p>(FY 1995 Overseas Survey) The performances of this project concerning with the removal of sunken vessels are available and utilized as for the guidance of general port development projects. Especially, they are very useful for development of western canal of Tg. Perak Port at Surabaya. The technology of removal of sunken vessels is desirable to transfer more not only for a particular port but various harbors under the different circumstances.</p> <p>(FY 1996 Overseas Survey) Up to 1996, 1,200t have been removed in Sunda Kelapa and Siak River. Due to the budget constraint, the realization is extremely low.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 106/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Southern Coast Development Plan, East Java	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Urban Planning and Housing, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ)	
7. STUDY PERIOD	Nov.1978 ~ Feb.1980 15month(s) ~	
8. SITE OR AREA	Southern coastal area of East Java (8,310 sq.km, 17% of the land area of East Java)	
9. MAJOR PROPOSED PROJECT(S)		
<p>The study proposed 12 project packages (mostly by area) for the development of the southern coastal area.</p> <ul style="list-style-type: none"> - Western Pacitan Rural Development - Prigi Bay Area Integrated Development - Pacitan Bay Area Development - Western Malang Rural Development - East Pacitan Rural Development - Southern Tulugagung Rural Development - Southern Blitar Rural Development - East Ponorogo Rural Development <p>6 project packages are suggested for early implementation by utilizing either domestic fund or foreign technical assistance. The packages include the construction of dams for irrigation and sabo check dams, rural water supply, rural roads, breeding and raising of draft animals, modernization of fishing boats and gear, etc.</p> <p>The study recommended feasibility studies for the following.</p> <ul style="list-style-type: none"> - Construction of the Prigi commercial port; rehabilitation of the Prigi fishing port, Pacitan - Slahung provincial road improvement; Prigi communal telephone project; Prigi electrification project; - Construction of two dams at Grindulu and Tinator; and West Pacitan critical area rehabilitation (upstream Grindulu River) 		

東部ジャワ州南部沿岸地域開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Finance:

private capital (Prigi Bay Area Integrated Development Package)

Construction:

Prigi fishing port (Prigi Bay Area Integrated Development Package)
bridge constructed

Background:

(FY 1993 Overseas Survey)

(1) Development Strategy

This JICA Study was completed about 13 years ago. The Indonesian counterparts at the time of study are no longer working at the Provincial BAPPEDA and no information is available on how the Study's proposals were utilized subsequently.

According to the 15-year provincial Spatial Design Structure Plan (RSTRP) of 1990, the first priority for rural development is assigned to the southern coastal area. In other words, the situation of underdevelopment remains largely unchanged since the time of the JICA Study. The said RSTRP assigned the first priority for urban development to southern coastal area, and proposes the extension of the trunk road network to reach the first three cities. Medium, Kediri and Malang function as growth centers of three economic zones of the southern coastal area, and the improved access to the Surabaya metropolitan area is expected to boost the development of the southern coast.

(2) Project Package

The JICA Study proposed nine project packages for the southern coast. Proposed projects are small in scale, and it was difficult to ascertain whether and how they have been implemented.

-Grindulu Dam (West Pacitan Rural Development Package):

The project is not implemented, but included in the project list of the province.

-Prigi fishing port (Prigi Bay Area Integrated Development Package):

The part of the fishing port was rehabilitated by the private sector.

*Water Resources Development

The southern coastal area contains the upper stream basin of Brantas River, and a number of major flood control and irrigation development projects have been implemented or are under implementation.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 108/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Land Erosion and Volcanic Debris Control in the Area of Mt. Merapi	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resource Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Sabo Technical Center	
7. STUDY PERIOD	Jul.1976 ~ Aug.1979 37month(s) ~	
8. SITE OR AREA	Southern slope of Mt. Merapi(total area 1,300 sq.km, project area 850 sq.km) in Central Java	
9. MAJOR PROPOSED PROJECT(S)		
<p>1) Relocation plan (50,400 persons)</p> <p>2) Afforestation plan (6,010 ha)</p> <p>3) Sabo facilities (58 sabo dams; 79 bed consolidation; 116,070m embankment and revetment; 16,490m training levee; 12,810m water control; and 4 bridges)</p> <p>4) Warning and evacuation (1 telemeter monitoring center; 4 telemeter monitoring stations; 10 to 15 information centers)</p> <p>5) Related facilities (26.7km main irrigation canals; 26.7km main roads; 12 road bridges; 11 micro hydro-power plants)</p> <p>6) River improvement (control of meandering, channel improvement)</p>		

メラピ火山砂防基本計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>1. Sabo Facilities Plan (1)The Volcanic Sabo Technology Center:center was established by JICA Subsequent Study:Mar.6.1986~Mar.29 Finance: Dec.12.1986 E/N 9.63 mil.yen (Improvement of the Volcanic Sabo Tecnical Center) 1)Technician training 2)Sabo Technology Development. Project-type Technical Cooperation (4 Japanese experts have been despatched). Aug.26.1982~Aug.25.1989 R/D Aug.26.1989~Mar.31.1990 follow-up</p> <p>(2)Urgent Sabo Plan After the volcanic eruption in June 1984, JICA sent the Japanese expert team to review the project and propose urgent measures, for which an OECF loan was subsequently approved. Subsequent Study:1986 D/D Finance: Dec.27.1985 L/A 4,672 mil.yen (Merapi Urgent Disaster Prevention Project)*1 1995. L/A 4,405 mil.yen (Merapi and Sumeru Disaster Prevention Project) *Contents of loan:*1 check dam (6), bed consolidation (2), training levee (12ha) Construction: Oct.1989 Started/Jan.1992 Completed *In Feb.1992, Mt.Merapi erupted with about 3.6 million m3 of volcanic ejection flowed down through a newly formed direction i.e, Senowo River and Lamat River, Western part of Mt.Merapi. The initial anticipation was mostly on south western part of Mt.Merapi. Further study is needed regarding the needs of environment protection and disaster prevention. This study is proposed to be funded by government budget in FY 1994/1995.</p> <p>(3)Constructed facilities:1)28 nos of check dam (sabo dam) 2)41 nos of consolidation dam 3)32,940 meters of training dike (levee) 4)1,747 meters of embankment and revetment 5)1 no of bridge *The construction was not concluded as planned because the government fund was in shortage and M/P was too huge to complete within 5~10 years. (FY 1993 Overseas Survey)</p> <p>2. River Improvement Mt.Merapi erupted on 22nd November, 1994. The Government of Indonesia took emergency measures at the Boyong River. It is expected to commence the implementation of the project by OECF Loan in the near future. (FY 1995 Domestic Survey)</p> <p>*This study will not be followed up from FY 1997. (further information is not available)</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 109/80

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Medan Area Transportation		
3. SECTOR	Transportation / Urban Transportation		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI) Japan Transportaion Consultants, Inc.		
7. STUDY PERIOD	Sep.1979 ~ Oct.1980 13month(s) ~		
8. SITE OR AREA	Medan suburban area		
9. MAJOR PROPOSED PROJECT(S)			
<p>The major projects of the short term development plan for 5 years are :</p> <ul style="list-style-type: none"> - Rehabilitation and Construction of Roads: Total length,12,630m Improvement of crossing, 2 sites. - Establishment of City Bus Route (loop line) :Improvement of bus terminal, 2 sites. - Traffic Control Facilities : One way traffic, 26 sites. Signal system, 15 sites - Facilities improvement with reopening of passenger transport between Brawan - Medan. - Establishment of Eastside Entrance and Rehabilitation of pedestrian bridge of Medan Station. 			

メダン地域都市交通計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Subsequent Study:

1982-1983 F/S on Bus Terminal(Directorate General of Land Transport)

Finance:

(FY 1994 Domestic Survey)

Some part of the project is under construction by own funds and by the ADB loan on urban development (this loan does not cover trunk roads).

A part of the project is under construction using loans of WB, ADB, etc.

Construction / Project implemented:

The warehouse complex for railway not in use have been removed and according to the recommendation provided by this study, the area has been changed into the business area. The arterial road intersection improvements have been carried out with loans and domestic budget. Bus terminals have been relocated or improved.

(FY 1997 Overseas Survey)

Traffic signal installation at major intersection -- implemented in 1984

Detail:

(FY 1995 Overseas Survey)

The recommendation provided by this study was utilized for the improvement of the trunk road.

The arterial road still needs additional improvement including flyovers construction. The change from the cargo railway link to the passenger railway link has been under consideration.

(FY 1997 Overseas Survey)

The outputs of the study used to be a guideline to formulate a city planning in Repelita IV(1982/83-1987/88) and other transport development projects.

IUIDP-Medan by IBRP is rather short term development plan for urban infrastructure development. Review/update of the Urban Structure Plan in Medan City is needed to direct a long term development.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 311/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Small and Medium Sized Town Water Supply Projects in Sulawesi	
3. SECTOR	Public Utilities / Water Supply	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Dept.of Housing,Building,Planning & Urban Development,Ministry of Public Works, Indonesia
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	
7. STUDY PERIOD	Mar.1980 ~ Sep.1980 6month(s) ~	
8. SITE OR AREA	South,Central and South-East of Sulawesi Province/ Sulawesi Island	
9. MAJOR PROPOSED PROJECT(S)		
<p>Water supply facilities and transmission/distribution pipelines for the following cities(the numbers for transmission/distribution are diameter x length):</p> <p>1.Donggala City capacity of system:20 l/sec, transmission:150mm x 200m, distribution: 200mm x 1,400m, 150mm x 2,400m, 100mm x 550m, 75mm x 1,250m</p> <p>2.Yentena City capacity of system:20 l/sec, transmission:150mm x 2,150m, distribution:150mm x 3,400m, 100mm x 3,200m, 75mm x 4,750m, 50mm x 600m</p> <p>3.Luwuk City capacity of system:40 l/sec, transmission:300mm x 100m, distribution: 300mm x 300m, 200mm x 3,200m, 150mm x 1,800m, 100mm x 1,200m, 75mm x 750m</p> <p>4.Baubau City capacity of system:60 l/sec, transmission:250mm x 3,000m, 150mm x 4,400m, distribution: 300mm x 1,600m, 250mm x 1,300m, 200mm x 1,350m, 150mm x 4,150m, 75mm x 6,350m</p> <p>5.Enrekang City capacity of system:20 l/sec, transmission:100mm x 500m, 100mm x 400m, 200mm x 5,000m, distribution:100mm x 2,500m, 200mm x 700m, 150mm x 2,250m, 100mm x 1,250m, 75mm x 1,100m</p> <p>Note: Respective costs for the cities(in US\$1,000) are Donggala:968, Tentena:785, Luwuk:701, Baubau:1,684 and Enrekang:996.</p>		

地方小都市上水道整備計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(1)Effectiveness : effective in development of local industries and improvement of sanitation condition (2)Priority : developed along with Indonesian Government plan</p> <p>Finance: Jun.1981 L/A (Small and Medium Sized Town Water Supply Projects in Sulawesi 559 mil.Yen)* Apr.1983 tender</p> <p>*Components of the project Construction of water supply facilities: 20 l/sec in Donggala,Tentena and Enrekang cities 40 l/sec in Luwuk city,60 l/sec in Baubau city. Length of transmission pipe:16km Length of distribution pipe :48km Number of faucet:8000 Number of faucet for public usage:160</p> <p>Construction: 1986 completed</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 312/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Reinforcement and Expansion Plan of P. T. IKI Makassar Shipyard at Ujung Pandang	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Basic Metal and Machinery Industry
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Shipbuilding Research Centre of Japan	
7. STUDY PERIOD	Jun.1980 ~ Mar.1981 9month(s) ~	
8. SITE OR AREA	Makassar Shipyard in Ujung Pandang, Sulawesi	
9. MAJOR PROPOSED PROJECT(S)		
<ul style="list-style-type: none"> - 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) 		

マカッサル造船所整備計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Finance: March 1985 L/A E/S (535 mil yen) May 1989 D/D completed</p> <p>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 was withdrawn.</p> <p>(FY1994 Domestic Survey) No information.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 313/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Madiun River Urgent Improvement Project	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	MPW Directorate General Water Resources
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd.	
7. STUDY PERIOD	Mar.1980 ~ Dec.1980 9month(s) ~	
8. SITE OR AREA	Madiun City (Middle Java)	
9. MAJOR PROPOSED PROJECT(S)		
The principle work quantities required to the plan with the highest EIRR are presented below:		
Embankment of dykes	1,308,000 cu.m	
Excavation of shortcut	525,000 cu.m	
Wet masonry	44,000 sq.m	
Construction of bridge	3 sets	
Modification of bridge	2 sets	
Construction of gate structure	4 sets	
Treatment of spoil bank	210,000 sq.m	
Land to be purchased	88 ha	
Land to be hired	93 ha	
House to be removed	454 pcs.	

マディウン河緊急治水計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :
Subsequent Studies:
Jan.1985 D/D completed

Finance:
Mar.1981 L/A
(Solo Madium River Rehabilitation Project, 805 mil yen)
Feb.15.1985 L/A
(Madiun River Emergency Flood Control 1st stage, 604 billion yen)*
Local Cost: Rp.26.2 billion

*Components of OECF loan
1.improvement of river road
2.bank protection works
3.improvement of bridges
< Construction contract >

	conclusion	period	cost
Package 1	Dec.1988	Feb.1990	Rp. 5,781 million
Package 2	Dec.1989	Jun.1991	Rp.12,079 million
Package 3	Dec.1988	Feb.1991	Rp. 4,118 million
		total	Rp.21,978 million

Construction:
Feb.1988 construction commenced
Construction completed (FY 1997 Domestic Survey)
After the completion of D/D, additional revetment became necessary owing to the erosion. Because of the Rupiah devaluation, the loan balance was used to implement the additional revetment at downstream.

Detail:
(FY 1993 Overseas Survey)
Implementation of Operation and Maintenance has not been conducted yet. However, river bed movement has being monitored during construction.

STUDY SUMMARY SHEET (Basic Study)

ASE IDN/S 501/80

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Local Roads Support Works in Seven Provinces	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Highways, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Engineering Consultants Association Pacific Consultants International (PCI)	
7. STUDY PERIOD	Feb.1980 ~ Jul.1980 5month(s) ~	
8. SITE OR AREA	17 kabupatens in 7 provinces of Riau, Lampung, South Sumatra, North Sulawesi, South Sulawesi, Southeast Sulawesi and East Nusatenggara	
9. MAJOR PROPOSED PROJECT(S)		
<p>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.</p> <p>Planning and estimation were carried out for follows;</p> <ul style="list-style-type: none"> - Establishment of motorpool contributing to construction machinery. - Human resource development 		

地方道整備計画

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>Finance: (FY 1995 Domestic Survey)(FY 1997 Domestic Survey) Jul.29.1980 L/A 4,900 mil.Yen (Rural Road Improvement/road construction equipment) Mar.1984 The amount of the OECF loan reduced to 2,332 mil yen. *Components of OECF loan -Construction of base course, road surface with crashed stone or gravel -Improvement of shoulder -Construction or repair of cross drainage Dec.8.1987 L/A 12.8 bil.Yen (Rural Road Improvement II) Dec.14.1990 L/A 16.7 bil.Yen (Rural and Urban Road Improvement) *Components of OECF loan -Improvement of roads of 606 segments with a total distance of 6,977km. -Maintenance of roads of 1,111 segments with a total distance of 8,683km. -Procurement of construction equipment, vehicles, materials and equipment for communication and testing machines. Dec.4.1996 L/A 16.256 bil.Yen (Rural Road Improvement III) *Components of OECF loan Daily and periodical maintenance of provincial road, improvement work and purchase of machinery for construction</p>	

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 202B/81

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Low Cost Housing Project in Cengkareng	
3. SECTOR	Social Infrastructure / Architecture & Housing	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nihon Sekkei, Inc.	
7. STUDY PERIOD	Oct.1979 ~ Feb.1981 16month(s) ~	
8. SITE OR AREA	Cengkareng area of Jakarta	
9. MAJOR PROPOSED PROJECT(S)	<p><M/P> The study proposed the construction of medium-rise apartments and two-story flats for lower-income families and maisonnet-type detached houses and terrace houses for higher-income families. The project will build 7,500 housing units for 45,000 persons in the area of 110 ha. The study suggested the integrated development of 370 ha for the long term.</p> <p><F/S></p> <ul style="list-style-type: none"> - medium-rise apartments (five-story) 880 units - two-story apartment flats 4,400 units - terrace houses (one-story) 1,500 units - detached houses 770 units - related infrastructure development 	

ローコスト住宅開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Urban development is one of the urgent problems therefore high evaluation was given to low cost housing project by related persons in Indonesia.</p> <p>Reasons for Stoppage: (FY 1993 Overseas Survey) Suspended after the completion of F/S. There has been no action since the end of the study. To consider the drainage, NUDC changed the block plan from original one. NUDC missed a timing of the land acquisition and it caused squatting at the site.</p> <p>Situation: NUDC is preparing new plan.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 203B/81

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development Project of the Port of Sorong	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	May.1980 ~ May.1981 12month(s) ~	
8. SITE OR AREA	Irian,Irianjaya Prvince	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P> 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;</p> <p>West port area - Construction of new one berth - Expansion of the existing concrete pier - Remodelling of wooden jetty</p> <p>East port area - Construction of new 6 parallel wharves</p> <p>Major projects in the medium-term development plan are;</p> <p>- Construction of one large wharf adjoining the existing concrete pier - Building of one warehouse - Purchasing of one tugboat and two forklifts</p> <p><F/S>Item(Middle-term Development Plan) Size</p> <p>Wharf L: 180m D: -10m Warehouse 40m, 100m Open storage yard 2900 sq.m</p>		

ソロン港整備計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: After the completion of F/S, the project was suspended.</p> <p>1985 F/S was reviewed with Dutch assistance.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 204/81

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Improvement of Telephone Network in the City of Jakarta	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL,PERUMTEL
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Jun.1979 ~ Feb.1981 20month(s) ~	
8. SITE OR AREA	City of Jakarta	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1)Building -Construction of new buildings (7 stations) -Expansion of existing buildings (5 stations)</p> <p>(2)Switching system -Installation of 179,000 line units</p> <p>(3)Junction Network (for the year 1987) -PCM (457) System; multiplexers 914, office repeaters 1616, line repeater housings 220, line repeater units 4769 -Cable System; 20 cables, 22,200 pairs, 115km, 3000 loaded pairs</p> <p>(4)Subscriber Cable Primary cable 84.5km Secondary cable 227.2km Cross-connecting cabinet 61</p> <p>(5) Civil Works; manhole, Duct</p>		

ジャカルタ首都圏電話網整備拡充計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p><F/S> (1)Transmission System Finance: Sep.1981 L/A 3,960 mil yen(Expansion of the PCM system in Jakarta) Feb.1985 L/A 5,600 mil yen(Expansion of the PCM system in Jakarta 2) *Contents of OECF Loan The installations of optical fibre and PCM facilities, optical fibre cable and other additional equipment.</p> <p>Construction: Phase I May 1991 Completed Phase II Mar.1997~Feb.1992 (Notes) The Project on Telephone Network Facility in the City of Jakarta(Phase 1) has been completed based on "the study on the Development Plan of Telephone Network in the City of Jakarta(implemented in FY 1973-1975)".</p> <p>(2)Switching System and Part of OSP (FY 1994 Overseas Survey) Completed with the loan of German KFW provided after 1981.</p> <p>Impact: (FY 1997 Domestic Survey) Along with expansion of digital exchange station, introduction of optical transmission system with large capacity by this project has contributed to improve telecommunications network in Jakarta City.</p> <p><M/P> IBRD Project M/P proposed projects are included in WB Telecom III, IV projects. Mar.1990 WB L/A 698mUSD (Telecom III) (including 350mUSD by WB loan) 1994 Construction completed Jul.1992 WB L/A 571mUSD (Telecom IV) (including 375mUSD by WB loan) 1998 Construction was completed</p> <p>(FY 1997 Domestic Survey) All the proposed projects were implemented.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 303/81

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Langkemme Irrigation Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Jul.1980 ~ Mar.1981 8month(s) ~	
8. SITE OR AREA	Langkemme Area of South Slawesi Province (Investigated Area 8,000ha,Population 89,000 as of 1979)	
9. MAJOR PROPOSED PROJECT(S)		
Irrigation Area : 6,400 ha		
I. The unification and improvement of the existing weirs(22 places), a connecting canal(34km).		
II. Langkemme intake (length of 37.5m, height of 4m), Langkemme main canal(30km), the connecting canal(2.5km), tunnel (720m)		
III. The division weier(3places), raceway.		

ランケメかんがい開発計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description : Central South Sulawesi Water Resources Development Project (M/P)(107/79)</p> <p>Subsequent Studies: Apr.1982 L/A 320 mil yen (Langkeme Irrigation Project E/S) Oct.1983~Mar.1985 D/D (Nippon Koei Co., Ltd. P.T.Buana Archicon)</p> <p>Finance: Dec.1985 L/A 6,951 mil yen (Langkeme Irrigation Project) (domestic currency 1,401 mil yen) *Contents of the OECF loan 1)Installation and improvement of intake weir, irrigation canal, drainage canal 2)Consulting service</p> <p>Construction: Mar.1988 started (Nippon Koei Co., Ltd. P.T. Necon Ciptajasa) Jan.1995 completed (FY 1995 Domestic Survey)</p> <p>Construction Traders: Package I & III:P.T. Pembangunan Perumahan Package II & IV:P.T. Brantas Abipraya Package V:P.T. Brantas Abipraya and four others Package VI:P.T. Pembangunan Perumahan</p> <p>Maintenance & Operation: The completed facilities were turned over to South Sulawesi Government in 1996. The Water User's Association have been organized in all target areas and have been operating and maintaining the terminal facilities. (FY 1996 Domestic Survey)</p> <p>(FY 1994 Overseas Survey) The irrigation area has been increased from 6,400ha to 7,300ha since water can be saved through lining of main canal and there is a keen request for the expansion of irrigation area from farmers in neighboring areas. Water distribution was partially started in 1993.</p> <p>Effect: The target area contributes to the South Sulawesi economy as the provider of rice.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 314/81

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Coastal Radio Communications Maritime Communication System	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd.	
7. STUDY PERIOD	Feb.1981 ~ Mar.1981 1month ~	
8. SITE OR AREA	26 stations in whole country	
9. MAJOR PROPOSED PROJECT(S)		
<p>Short Term Development Program:</p> <ul style="list-style-type: none"> - Improvement of Banjarmasin and the other class-A coast stations. - Provision of the NBD(Narrow Band Direct Printing) and DSC(Digital Selective Calling)equipments. - Improvement of Class-B coast stations (8 stations) - Improvement of SAR(Search and Rescue) facilities (9 stations) <p>Long Term Development Program:</p> <ul style="list-style-type: none"> -Improvement or establishment of coast station facilities. 1) REPELITA V (107 stations) 2) REPELITA VI(114 stations) - Improvement of SAR and DF facilities 1) REPELITA V (15 stations) 2) REPELITA VI(15 stations) 		

沿岸無線通信網整備拡充計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
Description :		
<p>Promoting Factors: -Effectiveness. Radio communication will positively affect the port construction plan. -The counterpart agency has a strong influence over the decision.</p> <p>Finance: Sep.4.1981 L/A 2,300 mil yen (Coastal Radio Project) *Contents of OECF loan 1)Maintenance and development for 11 stations (provision of Transmitter, receiver, various antennas, control and other additional equipment). 2)Maintenance and development for the Jakarta Central Station and others, totally 10 Coastal Stations including the maintenance of training equipments for staff. 3) 1.Equip the GMDSS facilities to the first and second grade coastal stations and the vessels which belong to the Direction of Navigation. 2.Development of the second third and fourth grade coastal stations.</p> <p>Provision of equipment for Jakarta, Surabaya, Belawan,Ujung Pandang, Ambon, Domai, Betung, Jayapura, Semarang, Solon and Melauke</p> <p>Feb.1985 L/A 3,600 mil.Yen (Coastal Radio Project II) Sep.1991 L/A 4,057 mil.Yen (Coastal Radio Project III)</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 316/81

1. COUNTRY	Indonesia																
2. NAME OF STUDY	Telecommunication Network in Developing Areas Surrounding Medan and Ujung Pandang																
3. SECTOR	Communications & Broadcasting / Telecommunication																
4. TYPE OF STUDY	F/S																
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL PERUMTEL															
	PRESENT COUNTERPART AGENCY																
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.																
7. STUDY PERIOD	Jun.1980 ~ Feb.1981 8month(s) ~																
8. SITE OR AREA	Sumatra North and Sulawesi South																
9. MAJOR PROPOSED PROJECT(S)																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Contents</td> <td style="width: 15%;">Scale</td> <td></td> </tr> <tr> <td>Telephone Switching and</td> <td>Sumatra North</td> <td>48 station</td> </tr> <tr> <td>Subscriber Cable</td> <td>Sulawesi South</td> <td>48 station</td> </tr> <tr> <td>Transmission System</td> <td>Sumatra North</td> <td>53 section</td> </tr> <tr> <td></td> <td>Sulawesi South</td> <td>25 section</td> </tr> </table>			Contents	Scale		Telephone Switching and	Sumatra North	48 station	Subscriber Cable	Sulawesi South	48 station	Transmission System	Sumatra North	53 section		Sulawesi South	25 section
Contents	Scale																
Telephone Switching and	Sumatra North	48 station															
Subscriber Cable	Sulawesi South	48 station															
Transmission System	Sumatra North	53 section															
	Sulawesi South	25 section															

地方都市周辺電気通信網整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Apr.-Sep.1991 D/D (ADB)

D/D was implemented to formulate Telecommunication Network Project in Sumatra in which South Sulawesi was not targetted. It proposes the establishment of in-city telecommunication network with the capacity of 196,000 lines and 288,200 lines covering a whole area of Sumatra and the transmission network system outside the city.

Finance:

(FY 1994 Overseas Survey)

Among proposed projects, the part of N.Sumatra seems to be referred in ADB Telecom I, and the part of S.Slawasi also seems to be referred in ADB Telecom II and WB Telecom III, IV so as to confirm the feasibility of them.

Mar.1992 ADB L/A 318m USD (Telecom I)

Aug.1993 ADB L/A 610m USD (Telecom II)

Mar.1990 WB L/A 698m USD (Telecom III)

(including 350m USD by WD loan)

Jul.1992 WB L/A (Telecom IV (Total more than 571m USD, including 375m USD by WB loan))

Construction:

1992~1997 Telecom I Construction to be completed

1993~1998 Telecom II Construction to be completed

1990~1994 Telecom III Construction completed

1992~1998 Telecom IV Construction completed

* A part of transmission line was constructed by loan from French Government and German Government. (FY 1997 Domestic Survey)

Operation & Maintenance:

(FY 1997 Domestic Survey)

Medan Area: PT.Telekom / PT.Pramindo Ikat, Nusautara (KSO)

Ujung pandang Area: PT.Telekom / PT.Bukaka Singtel (KSO)

Impacts:

(FY 1997 Domestic Survey)

Only a few analog transmission switching stations existed before in both areas. As a result of this project which introduced digital transmission line and automatic switching station, efficiency in telecommunications has improved drastically. Improvement of efficiency and expansion of service area contribute to economic development in both areas.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 317/81

1. COUNTRY	Indonesia																							
2. NAME OF STUDY	Jakarta Harbour Road Project																							
3. SECTOR	Transportation / Road																							
4. TYPE OF STUDY	F/S																							
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Planning, Directorate General of Highway, Ministry of Public Works																						
	PRESENT COUNTERPART AGENCY																							
6. CONSULTANT(S)	Pacific Consultants International (PCI)																							
7. STUDY PERIOD	Aug.1980 ~ Nov.1981 15month(s) ~																							
8. SITE OR AREA	Jakarta																							
9. MAJOR PROPOSED PROJECT(S)																								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">[Items]</th> <th>[Description]</th> </tr> </thead> <tbody> <tr> <td>Total length</td> <td>21.0km</td> </tr> <tr> <td>- Harbour Road (Pluit-Cilincing)</td> <td>17.4km</td> </tr> <tr> <td>- Arterial Street (Tg. Priok Access)</td> <td>3.6km</td> </tr> <tr> <td>Bridges</td> <td>15 (Total length: 4.0km)</td> </tr> <tr> <td>Embankment</td> <td>13.4km</td> </tr> <tr> <td>Viaducts</td> <td>3.3km</td> </tr> <tr> <td>Interchange</td> <td>7 places</td> </tr> <tr> <td>Flyover bridges</td> <td>2</td> </tr> <tr> <td>Drainage facilities</td> <td></td> </tr> <tr> <td colspan="2">Construction of frontage roads, Relocation of existing roads, waterways</td> </tr> </tbody> </table> <p>Note: Two phases have been considered in the schedule. For Phase I, three alternatives were considered. Phase II is the overlay and the pavement expansion.</p>			[Items]	[Description]	Total length	21.0km	- Harbour Road (Pluit-Cilincing)	17.4km	- Arterial Street (Tg. Priok Access)	3.6km	Bridges	15 (Total length: 4.0km)	Embankment	13.4km	Viaducts	3.3km	Interchange	7 places	Flyover bridges	2	Drainage facilities		Construction of frontage roads, Relocation of existing roads, waterways	
[Items]	[Description]																							
Total length	21.0km																							
- Harbour Road (Pluit-Cilincing)	17.4km																							
- Arterial Street (Tg. Priok Access)	3.6km																							
Bridges	15 (Total length: 4.0km)																							
Embankment	13.4km																							
Viaducts	3.3km																							
Interchange	7 places																							
Flyover bridges	2																							
Drainage facilities																								
Construction of frontage roads, Relocation of existing roads, waterways																								

ジャカルタ湾岸道路計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(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</p> <p>Subsequent Studies: Sep.1993 L/A 1,210 mil yen (E/S) Sep.1986 F/S reviewed Fall 1987 D/D completed</p> <p>Difference with JICA Proposal: 1)The section, east side of Tg.Priok, has been incorporated into the Ring Road Project as North Section of Outer Ring Road. This section was decided to be operated by different company. (The construction of this section has not been commenced) The section, west side of Tg.Priok, has been incorporated into Jakarta Intra Urban Tollway System as Harbour Road. This section has been constructed and maintained by a private company. (The company has concluded the contract with Jasa Marga about the distribution of the collected toll fare.) 2)In the Harbour Road section, the route, which was initially planned to run along the Ancol area in the JICA proposal, has been decided to be constructed at the north of the canal. 3)It is decided that the whole route from Tg.Priok Junction to Jembatan Tiga Junction Will be constructed as high level road.</p> <p>Finance: Some Part of the harbor road is included in the OECF loan (16.77 billion yen) signed in December 1990 for the regional and urban roads improvement. However, the major part of the project has been implemented by the BOT method. 1)local road system improvement (extension of 1,190km) rehabilitation (extension of 3,760km) provision of maintenance equipment 2)Jakarta road system improvement (flyover, drainage facility, intersection, side-walk, access road, etc.)</p> <p>Construction: 1993 Commenced (FY 1993 Overseas Survey) Apr.1996 Construction of Harbour Road implemented with BOT scheme completed Jun.1996 Opened for traffic (Jembatan Tiga - Tg.Priok) (FY 1996 Overseas Survey) (FY 1996 Domestic Survey) PT Citra Marga Nusaphala Persada (CMNP) undertook the construction and has been in charge of operation as well. Besides, CMNP constructed Jakarta Interchange-Tg.Priok and is in charge of its operation, too. In other words, CMNP is responsible for the operation of N-S Link and Harbour Road of Jakarta Intra Urban Tollway System while Jasa Marga is in charge of S-W Ark.</p> <p>Other: (FY 1996 Domestic Survey) D/D of North Section has been already completed. The Construction will be commenced, following the construction of East Section of Ring Road (E2 and E3). The construction of E2 and E3 has been already started. The contract with banks has been already concluded and the finance is secured. (FY 1996 Overseas Survey) Tg.Priok-Cilincing, which was proposed in F/S to be an eastern part of the Harbour Road, is now under construction as a part of Outer Ring Road. It is scheduled to be completed in the next a few years.</p> <p>Note: D/D was divided into two phases; Phase I and II. Phase I was mainly for the review of F/S while Phase II focused designing works. The following Alternative A and B are proposed in the Phase I report. Alternative A:(Revised scheme of JICA/Bina Marga Study) Including 8.7km of high level road. Alternative B:(Canal route scheme) Including 10.9km of high level road.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 318/81

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Padang Airport Development	
3. SECTOR	Transportation / Air Transportation & Airport	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Air Communication (DGAC)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Jun.1981 ~ Jan.1982 7month(s) ~	
8. SITE OR AREA	Sumatra	
9. MAJOR PROPOSED PROJECT(S)		
	Phase I(1984-1987)	Phase II(1994-1996)
Runway	2,500m x 45m	
Taxiway	2,500m x 23m	
Apron capacity	7 berth	8 berth
Passenger terminal	App.15,000sq.m	App.31,500sq.m
Cargo terminal	App.2,900sq.m	App.6,200sq.m
Administration building	1,800sq.m	2,800sq.m
Control tower	App.60 sq.m	
Car parking	430 lots	900lots
Airport safety system		
Fuel storage		

パダン空港整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Introduction of large aircraft will strengthen communications with the capital city. It will be a core project for the regional development by inducing the location of export-oriented industries which utilize abundant labor force around Padang area.

Padang airport is among the major 15 domestic airports in Indonesia, but its facilities are very poor, and need earliest implementation of the project.

Subsequent Studies:

Feb.1985 L/A 780 mil.yen (Construction of Padang Airport E/S)

Feb.1987~May.1989 E/S

Finance:

Mar.1990 Loan request to OECF for the construction

Mar.1991 Loan request to OECF for the construction

Dec.1996 L/A 16,004 mil.yen (New Padang Airport Construction)

*Components

Civil work

Machinery and utility for air navigation

Consulting service

Construction:

(FY 1996 Domestic Survey)

Dec.1996 PQ Commenced

(FY 1997 Domestic Survey, Overseas Survey)

Sep.1998 to be commenced (34 months)

As of Feb.1998, tender is in process.

Detail:

(FY 1995 Overseas Survey)

Due to other higher priority projects, the implementation of this project has been delayed. However, the urgent implementation is desired.

(FY 1996 Domestic Survey)

In Mar.1996 the Governments of Indonesia, Malaysia and Singapore agreed their Cooperation on the development of West Sumatra. Therefore, this Airport project turns out to be implemented at the same time as the regional development plan. It will enhance the effect of this airport improvement project.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 102/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Post-Harvest Losses	
3. SECTOR	Agriculture / Agricultural Processing	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Agriculture, Just Committee of Cooperatives and Bulog
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd.	
7. STUDY PERIOD	Aug.1981 ~ Nov.1982 15month(s) ~	
8. SITE OR AREA	Aceh, West Java, South Sulawesi, South Kalimantan	
9. MAJOR PROPOSED PROJECT(S)		
<ol style="list-style-type: none"> 1. Establishment of an organization in charge of improvement in post-harvest processing. 2. Reinforcement of marketing and storage capacity of surplus rice in south Sulawesi. 3. Reduction of discolored grains in Aceh province especially Pidi county and North Aceh County. 4. Drying of paddy harvested in rainy season and cleaning of immature grains in 6 counties in the northern plain of West Java province. 		

米穀收穫後処理法改善計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Improvement in post-harvest rice processing is to promote government project of increasing food production and is given high priority among various government projects.

(1) Provision of agricultural machine and equipment

Subsequent Studies:

Dec.1985~Mar.1987 D/D undertaken by Kaigai Kamotsu Kensa Co., LTD.

Finance:

Apr.1982 OECF appraisal mission

Mar.8.1984 L/A 5.8 bil yen (Agricultural machine expansion project)

Project Implemented:

With the OECF loan, 83 threshers, 92 flat dryers, 344 rice mill units (1 ton/h) and 137 rice mill units (2 tons/h) were installed at 626 agricultural cooperatives in 7 provinces (West Java, Central Java, East Java, Bali, West Nusa Tenggara, South Sulawesi, and Jogjakarta).

Maintenance & Operation:

The machinery has been used for years longer than its life span. The abilities of leaders determine how well machine functions.

Effect:

(FY 1997 Overseas Survey)

Provided machineries are being used by village cooperatives and private rice milling association, contributing to reduce the losses.

(2) Improvement of Post-harvest Technology in South Sulawesi

Refer to "Improvement of Rice Post Harvest and Marketing Farmer Groups (1989)".

(3) Post-harvest Training Center

Subsequent Study:

May.21.1988~Jun.12.1988

Finance:

Oct.1988 E/N 845 mil.Yen (Project for the Establishment of the Training Facility for Integrated Improvement of Post Harvest and Quality of Rice)

Construction:

Bekashi Post-harvest Training Center was built in 1990. The center, which fully started working in the year of 1993, has a 4-ton scale rice-mill facility and three training programs for instructors, operators and managers.

Detail:

The problem of stained grains in Aceh Province has been successfully dealt with by the introduction of threshers in great number.

(FY 1994 Overseas Survey)

Although the counterpart of the study was the Ministry of Agriculture, the delivery of farming instruments and management of the training center are under administration of the Ministry of Cooperative.

(FY 1996 Domestic Survey)

The Training Center Suffers from the budget constraints.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 110/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Long Term Development Plan of Maritime Communication System	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea communications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd. The Japan Association for Preventing Marine Accidents	
7. STUDY PERIOD	Jun.1981 ~ Mar.1982 9month(s) ~	
8. SITE OR AREA	Whole country 26 stations	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1) Development of Maritime Radio Communication station; Use of MF,HF transmitter,NBDP and DSC.</p> <p>(2) Development of SAR System; SAR Operation centers are established having its Regional office within each District Headquarters of Sea Communications.</p> <p>(3) Establishment of Maintenance Center</p> <p>(4) Utilization of INMERSAT System</p> <p>(5) Training;Training the necessary number of Maintenance staff.</p>		

海上無線通信網整備拡充計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Finance:

1.Jun.1986 L/A 4,377 mil.yen (Maritime Search and Rescue Communication System)

2.Feb.1985 L/A 3,600 mil.yen (Coastal Radio Communication II)

3.Sep.1991 L/A 4,057 mil.yen (Coastal Radio Communication III)

*Contents of OECF loan

1.The provision and installation of the telecommunications equipment for the SAR communications station and control station.

The consulting services for the provision and installation of the above equipment and training. The Loan targets are the foreign currency and some parts of the domestic currency for the civil engineering work.

2.Provision of equipment for two Jakarta central stations and ten coastal stations.

3.Provision of GMDSS equipment for 1st and 2nd grade coastal stations and the boats of the Directorate of Sea Communication.

Provision of equipment for 2nd, 3rd and 4th grade Coastal Stations.

Construction:

1.Jan.1983~Jul.1986 (Tomen) Completed

2.Jun.1986~Jan.1990 (Tomen) Completed

3.Dec.1992~Sep.1997 (Package A:Tomen, Package B:PT.Bimantara Artika Citra) Completed

SAR Telecom Project:Jan.1989~Mar.1992 (Tomen) Completed

Effect:

(FY 1996 Overseas Survey)

Through the implementation of this project, most of the first-class, second-class and third-class coast stations and some DGSC's ship stations have been rehabilitated and modernized to meet the international requirements as the Global Maritime Distress and Safety System (GMDSS) station.

(FY 1998 Domestic Survey)

Decrease in marine accidents, efficiency in marine transportation, promotion of fisheries, and increase in marine transportation have been observed through all the projects.

Detail:

-The balance of OECF loan for Project (3) was used to purchase spare parts of machinery installed in the completed project.

-OECF undertook the evaluation study on the completed projects from

Jan. to Sep.1997 (approximately 70 mil.Yen)

(FY 1997 Domestic Survey)

Main works of Phase III were completed in Feb.1997. The balance was used for renovation of obsolete machinery which had not been included in L/A because of financial constraint, and purchase of spare parts for equipment provided in Phase I, II. (additional work utilizing the balance was completed in Sep.1997)

Impact assessment of Phase I~III and ASR project was carried out, as this project is in a final stage.

As a result of 4 OECF projects above mentioned, maritime telecommunication in Indonesia has improved greatly. But to cover whole sea area of Indonesia, it is expected to modernize fourth-class stations, rehabilitate related facilities and develop human resources. Therefore, Phase IV has been requested to OECF.

(FY 1998 Domestic Survey)

Projects of Telecom Phases I, II, III, SAR Com Project have been implemented as planned with OECF loan. DGSC submits the request to BAPPENAS that JICA will adopt the project as a technical cooperation project in order to formulate a long-term plan on the navigation facilities including communication facilities. DGSC is also requesting OECF loan of FY 1998 to further develop the facilities.

Amount of request: US\$41,870,000 (OECF loan US\$ 40,060,000)

Contents:

- Expansion of GMDSS coverage, targeting 33 stations.

- Rehabilitation of the first and second classes.

- Strengthening of the training center to nurture the GMDSS operators.

- Establishment of the maintenance center for strengthening and rationalizing maintenance system.

(FY 1998 Overseas Survey)

Due to the budgetary matter and the updated priority, the following proposed projects have not been implemented: 1)NBDP/DSC system at 1st class station (Palembang station); 2)Maintenance Center at Jakarta; 3)1st and 2nd class site separation at Sabang, Teluk Bayur and Cilacap; and 4)Utilization of public line for fix communication (HF system being used instead of public line).

Except utilization of public telephone line for fix communication, basically all the remaining projects are planned to be implemented by Phase IV project, however separation of transmitting station at Sabang and Cilacap are subject to further study.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 204B/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Urban/Suburban Railway Transportation in Jabotabek Area	
3. SECTOR	Transportation / Railway	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS)	
7. STUDY PERIOD	May.1980 ~ Mar.1982 22month(s) ~	
8. SITE OR AREA	<M/P> JABOTABEK area and Serpong <F/S> JABOTABEK Area and Serpong. Between Jakarta and Manggarai on the Central Line of the Indonesian State Railways	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P> - Long-term master plan with a target year 2000 - This is a big project consisting of 26 sub-projects. (1) Double tracking for about 160 km of conventional line (2) Track elevation (3) Signal automation (4) Rolling stock base construction. (5) Construction of the Chengkareng Airport line.</p> <p><F/S> (1) Urban/Suburban Railway Transportation in Jobotabek Area In order to ensure full performance of the function of the existing railway facilities, the following projects were recommended to be implemented as a first priority aiming at infrastructure development of immediate need and minimum requirement and strengthening of transport capacity. Track newal/Improvement of level crossing/Improvement of Manggarai Workshop and Jakarta Depot/Double track between Manggarai-Depok/ New construction of Depok depot/Electrification of Bekasi Line/ Additional supplies of rolling stock (2) Central Line Track Elevation Three alternatives were set forth for construction planning of this project. In accordance with the indexes of (1) method of construction, (2) construction period, (3) measures for handling passengers during construction period, (4) difficulty in land acquisition and (5) investment cost, the evaluation has been made on the above three alternatives. According to the result, all of three have proved to be feasible in the economic aspect.</p>		

ジャカルタ大都市圏鉄道輸送計画(中央線高架化)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies & Finance:

(Main Work)

After the completion of the F/S, the D/D on some projects were undertaken with various kinds of funds such as OECF, French Protocol Loan, Rp Budget, etc. in accordance with the necessity. The construction itself has been carried out stage by stage. Funds for construction have been also arranged by OECF, French protocol and Rp. budget. Among items needed for improvement, some are already completed, some are under implementation and some are under preparation.

*Components of OECF Loan

PHASE 1: May 1982 L/A (5,524 mil. Yen for 1) Track equipment 2) Crossing facility 3) Three sets of train (12 cars) 4) Engineering Service)

PHASE 2: Sep. 1983 L/A (6,631 mil Yen for 1) Rehabilitation of rolling stock base (3 places) and train factory (1 place) 2) One set of train (4 cars) 3) Engineering Service (track elevation, PMS)

PHASE 3: Jun. 1984 L/A (5,203 mil Yen for 1) One set of train (4 cars) 2) 7 sets of diesel car)

PHASE 4: Dec. 1985 L/A (9,331 mil Yen for 1) Construction of double tracking, reformation of crossing facility 2) Flyover construction of Manggarai station (D/D, PMS (2))

*Refer to "Grade Separated Crossing in Manggarai Station, Improvements on Merak Line and Track Addition and Other Improvements on Tangerang Line" (IDN/S 324/84)

PHASE 5: Jan. 1987 L/A (27,661 mil Yen for 1) Track elevation of central line (Area B) 2) Electrification 3) 2 sets of train (8 cars) 4) Consulting Service)

*Refer to "Railway Improvement in Kampung Bandan Station Area" (IDN/S 327/85)

PHASE 6: Dec. 1987 L/A (13,565 mil Yen for 1) Track elevation (Area A) 2) Consulting Service)

PHASE 7: Dec. 1989 L/A (13,565 mil Yen for 1) bridge (Area C) 2) Tracking and electrification works on the whole section of elevated track 3) Consulting Service for above)

PHASE 8: Sep. 1991 L/A (7,400 mil Yen for 1) Reformation works of tracking and platform at several stations 2) Training facility (transportation simulator) 3) Project Management Service

4) Consulting Service for 1)

*Refer to "Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area" (IDN/S 217B/90)

PHASE 9: Sep. 1992 L/A (15,347 mil Yen for 1) Reformation crossing facility of the East and West Lines 2) 24 cars 3) Consulting Service for 1) and 2) above (Planned Completion Jun. 1997)

Construction:

(F/S)

Afterwards, through the installation of automatic signalling system as well as 2nd stage construction work at station, all the works were completely finished in Jun. 1994. (FY 1995 Overseas Survey)

*The following projects have been either completed or implemented.

1. Improvement of 3 Depots and Workshop

Mar. 1988-Sep. 1990 (1,564 mil. Yen and Rp 4,046 mil.)

2. Track Addition (Manggarai-Depok)

Aug. 1989-Jul. 1992 (2,064 mil. Yen and Rp 26,689 mil.)

3. Electrification of Bekasi Line

Apr. 1990-1994 (5,963 mil. Yen and Rp 24,468 mil.)

4. Central Line Track Elevation

Feb. 1988-Aug. 1995 (19,269 mil. Yen and Rp 115,078 mil.)

5. Kampungbandan Station Improvement

Jan. 1991-Dec. 1992 (634 mil. Yen and Rp 6,598 mil.)

6. Kampungbandan Signalling Improvement

Sep. 1992-Mar. 1995 (1,062 mil. Yen and Rp 1,901 mil.)

7. 3-Line Signalling Improvement

May. 1992-Oct. 1994 (12,795 mil. Yen and Rp 25,944 mil.)

8. Track Layout Improvement

Apr. 1995-Feb. 1998 (2,130 mil. Yen and Rp 32,598 mil.)

9. Supply of Rolling Stock (Electric Railcar)

1987-Jan. 1998 (9,020 mil. Yen and Rp 247 mil.)

10. Train Operation Control System on WL/EL

Apr. 1996-Sep. 1998

(4,333 mil. Yen (Estimated)) and Rp 4,046 mil. (Estimated))

11. Training Simulator

Oct. 1996-Mar. 1998 (347 mil. Yen (Estimated)

*Total (55,089 mil. Yen and Rp 282,783 mil.)

Effects:

(FY 1996 Overseas Survey)

-Increase of number of trains

-Increase of railway passenger volume

-Reduction of train delay time

-Increase of passenger revenue

-Increase of safety of train operation

-Technical transfer of new technology

-Promotion of related industries

-Creation of job opportunities

Details:

(FY 1994 Domestic Survey)

Out of 26 items in the M/P, 11 items have been completed, 2 items have been partially completed with implementing the remainings and 3 items have been implementing. Those finances have been allocated from OECF, French Protocol Loan and Domestic budget.

(FY 1996 Overseas Survey)

The conditions in terms of transport demand, city development, train operation plan, participation of private sector, etc. have changed considerably compared with those when M/P was arranged. It is considered necessary to review M/P in order to implement the unimplemented projects.

(FY 1997 Overseas Survey)

All the remaining sub projects not-yet-implemented among those proposed in the master plan are scheduled to be realized in accordance with the requirement.

ジャカルタ大都市圏鉄道輸送計画(中央線高架化)

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 205B/82

1. COUNTRY	Indonesia																								
2. NAME OF STUDY	Telecommunications Network Development in the Eastern Part																								
3. SECTOR	Communications & Broadcasting / Telecommunication																								
4. TYPE OF STUDY	M/P+F/S																								
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL/PERUMTEL																							
	PRESENT COUNTERPART AGENCY																								
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.																								
7. STUDY PERIOD	Jan.1982 ~ Nov.1982 10month(s) ~																								
8. SITE OR AREA	The Eastern Part of the Republic of Indonesia<M/P> Sulawesi<F/S>																								
9. MAJOR PROPOSED PROJECT(S)																									
<p><M/P> The digital terrestrial radio transmission network, and submarine cable network by optical communication system are to be introduced in the eastern region.</p> <p>Digital terrestrial radio transmission network: 6GHZ 1440 channel method 1,486km 6GHZ 480 channel method 1,946km 2GHZ 240 channel method 719km</p> <p>Submarine Cable: trunk route/2,980km branch route/540km substitute route for transmission/320km terre strial</p> <p><F/S> Construction period for Microwave Network(2,371 L.U.) is divided into three stages: 1984~1989(Repelita IV), 1990~1994(Repelita V) 1995~1999(Repelita VI)</p> <p style="text-align: center;">Number of Telephones</p> <table style="margin-left: 40px;"> <thead> <tr> <th>Year</th> <th>Installation objective</th> <th>installation</th> </tr> </thead> <tbody> <tr> <td>Telephone Service 1989</td> <td>1,181,500 line units</td> <td>1,000,000</td> </tr> <tr> <td>1994</td> <td>1,889,100 line units</td> <td>1,600,000</td> </tr> <tr> <td>1999</td> <td>3,017,300 line units</td> <td>2,560,000</td> </tr> <tr> <td>2000</td> <td>3,295,200 line units</td> <td>2,800,000</td> </tr> </tbody> </table> <table style="margin-left: 40px;"> <thead> <tr> <th>Year</th> <th>Installation objective</th> </tr> </thead> <tbody> <tr> <td>Telegraph Service 1989</td> <td>28,100 line units</td> </tr> <tr> <td>1994</td> <td>41,300 line units</td> </tr> <tr> <td>1999/2000</td> <td>62,900 line units</td> </tr> </tbody> </table>			Year	Installation objective	installation	Telephone Service 1989	1,181,500 line units	1,000,000	1994	1,889,100 line units	1,600,000	1999	3,017,300 line units	2,560,000	2000	3,295,200 line units	2,800,000	Year	Installation objective	Telegraph Service 1989	28,100 line units	1994	41,300 line units	1999/2000	62,900 line units
Year	Installation objective	installation																							
Telephone Service 1989	1,181,500 line units	1,000,000																							
1994	1,889,100 line units	1,600,000																							
1999	3,017,300 line units	2,560,000																							
2000	3,295,200 line units	2,800,000																							
Year	Installation objective																								
Telegraph Service 1989	28,100 line units																								
1994	41,300 line units																								
1999/2000	62,900 line units																								

スラウェシ電気通信網整備計画(東部地域電気通信網整備計画のF/S)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Jun.1984 L/A 442 mil yen (E/S) Jul.1988 E/S completed French Government decided to implement the part of this project</p> <p>Components of OECF Loan: The construction of ground telecommunications network with the micro wave at the Sulawesi Island and the engineering service to provide more sophisticated and high quality telecommunications service in this area.</p> <p>Finance: (FY1994 Overseas Survey) The project was implemented as a part of WB Telecom IV(Ph.I,II) by French loan after OECF E/S. 1991 France L/A signed (Ph. I (138.0mFF)) 1992 France L/A signed (Ph.II (56.7mFF))</p> <p>Construction: Apr.1994~Aug.1996 Ph.I completed by a French Company Feb.1992~Aug.1996 Ph.II completed by a French Company</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 304/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Komerling-1 Irrigation Development Project in the Upper Komerling River Basin	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co, Ltd.	
7. STUDY PERIOD	Sep.1979 ~ Mar.1982 30month(s) ~	
8. SITE OR AREA	South-west part of South Sumatra Province and northern part of Lampung Province 50,600ha (Population 114,000)	
9. MAJOR PROPOSED PROJECT(S)		
<p>1) Irrigation Area : 68,300 ha Muncak Kabau area (10,700ha) Lampung area (13,100ha) Tulangbawang area (44,500ha)</p> <p>2) Ranau Dam : Concrete gravity dam, Designed discharge 50cu.m/sec</p> <p>3) Main/Secondary,Tertiary Canal : 134/1,117 km</p> <p>4) Main/Secondary,Tertiary Drain : 180/1,264 km</p> <p>5) Main Road : 135 km</p>		

コメリン川上流域農業開発計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Sep.1983 L/A 1,180 mil yen (E/S) Mar.1985~Sep.1989 D/D undertaken (Nippon Koei)</p> <p>(FY 1994 Overseas Survey) D/D took four years because the irrigation area is so wide and the scale of the project is so big including construction of headworks, the Ranau regulating facility and tertiary canal. The Indonesian economic crisis, which occurred on the mid-1980s, would have had an influence on the delay of the project.</p> <p>(FY 1996 Domestic Survey) D/D for stage I and II completed.</p> <p>Finance: Dec.1989 L/A (21.518 bil yen) Dec.1.1995 L/A (65.44 bil yen)</p> <p>Construction: <Stage I> Oct.1990 Commenced Oct.1996 Completed <Stage II> 1996 Phase I commenced (J/V of Taiwanese Consultant and Indian Consultant) <Stage III> F/S Scheduled to be implemented at Phase 2 of Stage II.</p> <p>Construction Trader: P.T.pembangunan Perumahan and 23 others.</p> <p>Subprojects of the OECF Loan (21.518 billion yen): -Ural River improvement and irrigation. -Upper Komering irrigation development. -Flood control in East Jakarta. -Brantas River improvement.</p> <p>Maintenance & Operation: The construction of weir and arterial canals was completed in 1996. The management works, which have been undertaken by the Project Office for two years will be gradually turned over to Provinces. The existing organization has been managing the Buritan secondary canals and rice fields since their completion. No problem concerning M&O has been observed.</p> <p>Situation: (FY 1997 Domestic Survey) Fund has not been procured for the Stage III.</p> <p>(FY 1998 Domestic Survey) The project is under consideration for submitting the request for OECF loan next year.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 305/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Rice Pest Forecasting and Control Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Food Crop Agriculture, Ministry of Agriculture
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Chuo Kaihatsu Corporation	
7. STUDY PERIOD	Jan.1982 ~ Mar.1982 2month(s) ~	
8. SITE OR AREA	8 states including Aceh, Southern Sumatra, Lampung, Southern Kalimantan, Southern Sulawesi, Eastern Java, Central Java, and Western Java	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1)In the capital the facilities of Directorate of Food Crop Protection should be rationalized. For carrying out local projects the following items should be established.</p> <p>Food crop protection centers: 7 locations Pest forecasting laboratories: 20 locations Pest monitoring stations: 100 locations Agro-chemical test stations: 3 locations</p> <p>(2)In addition a plan for education and training was formulated to raise capabilities and technique of officials of the corresponding institutions.</p>		

稲病虫害発生予察防除計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Aug.1985~Jan.1986 B/D undertaken (Matsuda/Hirata, Sakamoto design consultant)</p> <p>Finance: 1983~ Aid for Increased Food Production Apr.26.1985 E/N 445 mil.yen (Pest and Disease Forecasting Control Project) Feb.28.1986 E/N 2,061 mil.yen (Pest and Disease Forecasting Control Project-Phase1/3)*1 Aug.20.1986 E/N 1,230 mil.yen (Pest and Disease Forecasting Control Project-Phase2/3)*2 Jul. 2.1987 E/N 1,978 mil.yen (Pest and Disease Forecasting Control Project-Phase3/3)*3 *Contents of the grant aid *1 Pest Forecasting Center 1 Food Crops Protection Centers 3 Field Laboratories 9 *2 Food Crops Protection Center 1 Field Laboratories 6 *3 Food Crops Protection Centers 4 Field Laboratories 11 Pesticide Laboratory 1</p> <p>Technical cooperation project: Apr.1987~Mar.1992 "Plant Protection Project Phase II" implemented</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 306/82

1. COUNTRY	Indonesia										
2. NAME OF STUDY	Rice Seed Production and Distribution Project										
3. SECTOR	Agriculture / (Agriculture in) General										
4. TYPE OF STUDY	F/S										
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Food Crops Agriculture.									
	PRESENT COUNTERPART AGENCY										
6. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd. Taiyo Consultants Co., Ltd.										
7. STUDY PERIOD	Jan.1982 ~ Dec.1982 11month(s) ~										
8. SITE OR AREA	D.I. Aceh, South Sumatra, Lampung										
9. MAJOR PROPOSED PROJECT(S)											
<p>1) Consolidation and Establishment of Seed Farm. Aceh South Sumatra Lampung (ha)</p> <table style="margin-left: 20px; border: none;"> <tr> <td>C.S.F.</td> <td>19.0</td> <td>12.6</td> <td>16.0</td> </tr> <tr> <td>M.S.F.</td> <td>8.3</td> <td>42.3</td> <td>33.3</td> </tr> </table> <p>2) Construction of Seed Processing centers. Area Size(ha) 6.5 5.7 4.6 The required 3,139 2,885 3,137 amt. of E.S.</p> <p>3) Construction of Central Seed Storage. 4) Establishment of seed distribution system. 5) Establishment of S.C.C.S.(Seed Control and Certification Service)</p>				C.S.F.	19.0	12.6	16.0	M.S.F.	8.3	42.3	33.3
C.S.F.	19.0	12.6	16.0								
M.S.F.	8.3	42.3	33.3								

稻種子生産・配布計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>The following are the parts of a long term plan for food self sufficiency.</p> <ol style="list-style-type: none"> 1) Increase of production per unit area. 2) Adaptation of paddy kinds to the change in production system. 3) Distribution of economical and sound seeds. <p>Subsequent Studies:</p> <p>Apr.1984 OECF appraisal mission Aug.- Nov.1987 Because the implementation was delayed partly owing to the budget allocation of the Indonesian Government, a re-study had to be undertaken. As a result of the restudy, eleven seed processing centers in five provinces (Aceh, Lampung, South Sumatra, West Java and South Sulawesi) were selected for financing. July-Aug.1992 SAPS by OECF</p> <p>Difference from JICA's proposal :</p> <p>The objective is to reinforce the profit generated by newly-constructed seed processing centers and their sustainability.</p> <p>Finance:</p> <p>Feb.1985 L/A 3 bil yen *Contents of OECF loan Construction for 11 seed processing centers in three provinces in Sumatra.</p> <p>Construction:</p> <p>Mar.1992 Seed Processing Center Completed (5 centers. Eleven centers were planned originally, however, reduced to five due to the lack of domestic currency).</p> <p>Operation & Management :</p> <p>Directorate General of Food Crops Agriculture</p> <p>Effect :</p> <p>The production of certified seed has been gradually increased. The inspection passing rate of the produced seed has become high.</p> <p>Present Situation :</p> <p>Eight years have passed since their construction. Since the dry machines and the paddy receipt facilities becomes old, the rate of the germinating seed becomes low. Presently, the seed is dried by the sun, not by the machines. Therefore, rehabilitation of the seed processing facilities including the dry facilities is required.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 307/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Bila Irrigation Project	
3. SECTOR	Agriculture / Irrigation, Drainage & Reclamation	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Nippon Giken Inc.	
7. STUDY PERIOD	Jun.1981 ~ Jun.1982 12month(s) ~	
8. SITE OR AREA	Bila of South Sulawesi Province (Investigated Area 20,000ha, Population 83,700 in 1980)	
9. MAJOR PROPOSED PROJECT(S)		
Irrigation Area: 9,800 ha		
1) Bila intake weir: 70m long, 12.7m high.		
2) Kalola dam: Rockfill type, Crest 230m long. Dam 30.5m high		
3) Irrigation Canals: Main canal 46.1km Secondary canal 98.3m.		
4) Drainage canal: 86.5km		
5) Farm roads: 172.5km		
6) Tertiary system: 9,800ha.		

ビラかんがい開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

M/P
'Central South Sulawesi Water Resources Development Project'(107/79)

Subsequent Studies:
Jun.1984 L/A (E/S 550 mil yen)*1
Feb.1987~Dec.1988 D/D (Nippon Koei Co.)

Finance:
Dec.1990 L/A 6,460 mil yen (Bila irrigation project)*2
Oct.1992 L/A 3,788 mil yen (Bila irrigation project II)*3
*Contents of OECF loan
*1:D/D on the construction project of irrigation and drainage facilities targeting 9,800ha of farm land along Bila River in the central region of South Sulawesi 1)Kalola dam (31m high) 2)Bila intake weir (13m high) 3)Irrigation canals (Main canals:46km, Secondary canals:98km) and 4)Drainage canals (87km).
*2 The project aims to improve the irrigation facilities targeting rice field (9,514ha) along Bila River in order to increase rice yield and, subsequently, farmers income. As Phase-I, intake weir, canals and drainage canals are to be constructed.
*3 The project aims to improve the irrigation facilities targeting rice field (9,524ha) along Bila River in order to increase rice yield and, subsequently, farmers income. 1)Construction of a part of main canals 2)construction of secondary canals 3)construction of terminal canal system 4)improvement of drainage canals and 5)procurement of O/M machinery.

Construction:
Feb.1992 Started
Oct.1996 Completed
(Consulting firm:Nippon Koei)
Construction Trader:
P.T.Waskita Karya, P.T.Wijaya Karya and other 17 contractors.

Maintenance & Operation:
(FY 1996 Domestic Survey)
With supervising the additional construction works, the Bila Irrigation Project Construction Office has been managing and maintaining the constructed facilities. The construction Office will be engaged in the management works by 1998. And a new office will be established to take it over. All of 89 units of the Water Users Association composed of farmers have been organized. The training is to be given to them from 1997.

Difference with JICA Proposal:
(FY 1994 Overseas Survey)
Some parts were changed in implementation from the F/S. Irrigation area was changed from 9,800ha to 9,525ha after a detailed water balance investigation. The design of Kalola dam has been changed from the rock-fill type to the zoned earth-fill type, and headwork has been changed from the cascade type to the hydraulic jump type.
(FY 1996 Domestic Survey)
The following additional works have been implemented with the balance of the OECF loan.
1)Consulting Services
F/S and D/D on the flood mitigation measures at the Lake of Tempe and Downstream of Bila.
2)The construction works for the flood mitigation has been implemented.

Effect:
The target area contributes to the South Sulawesi economy as the provider of vice. In addition, a number of rural roads have been rehabilitated and paved, which greatly contributes to the improvement of living standard of local people. Also, the number of people who exercises fish farming (carps) in reservoir is increasing, which results in the income increase of local people.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 308/82

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Sanrego Irrigation Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Nippon Giken Inc.	
7. STUDY PERIOD	Jun.1982 ~ Mar.1983 9month(s) ~	
8. SITE OR AREA	Sanrego Area of South Sulawesi Province (Investigated Area 17,500ha, Population 38,400 as of 1981.)	
9. MAJOR PROPOSED PROJECT(S)		
<ol style="list-style-type: none"> 1. Irrigation Area: 8,000 ha 2. Diversion Weir: Wet Stone Masonry, Crest 40m long, Weir 10m high 3. Small Intake Weir: 3 places 4. Irrigation Canal: Main 11.6 km, Branch 97.5 km 5. Head Reach : 4.9 km 6. Farm Road : 13.2 km 7. Reclamation Works <ul style="list-style-type: none"> - Upland 500ha - Grassland 600ha - Orchard 100ha 		

サンレゴかんがい開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description : M/P "Central South Sulawesi Water Resources Development Project"(107/79)</p> <p>Finance: World Bank</p> <p>Construction: (Main Work) (FY 1994 Overseas Survey) 1985-1989 Gov't of Indonesia undertook weir construction(not completed). 1989-1992 The World Bank constructed weir and a part of canals is under Second Provincial Irrigation Agricultural Development Project. (FY 1997 Domestic Survey) 1993-1996 The World Bank continues to construct canals and undertakes agricultural extension activities under Provincial Irrigation Agricultural Development Project.</p> <p>Details: (FY 1994 Overseas Survey) Planned irrigation area of 8,000ha at the time of F/S was reduced to 6,000ha in implementation. This is because the estimate of the rice cropping intensity was high at F/S, however it was judged unrealistic, later based upon the result of the hydrological analysis.</p> <p>(FY 1997 Domestic Survey) Operation and maintenance are going on continuously.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 319/82

1. COUNTRY	Indonesia																		
2. NAME OF STUDY	Lower Jeneberang River Flood Control Project/Jeneberang River Flood Control Project (Phase II)																		
3. SECTOR	Social Infrastructure / River & Erosion Control																		
4. TYPE OF STUDY	F/S																		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development																	
	PRESENT COUNTERPART AGENCY																		
6. CONSULTANT(S)	CTI Engineering Co., Ltd.																		
7. STUDY PERIOD	Jun.1979 ~ Feb.1980 8month(s) Jan.1981 ~ Mar.1982 14month(s)																		
8. SITE OR AREA	Ujung Pandang City/Sulawesi																		
9. MAJOR PROPOSED PROJECT(S)																			
1) Dam and Reservoir <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 20%;">Crest length</th> <th style="width: 20%;">Crest width</th> <th style="width: 20%;">Crest elevation</th> </tr> </thead> <tbody> <tr> <td>Main</td> <td>670m</td> <td>10m</td> <td>EL105m</td> </tr> <tr> <td>Left wing</td> <td>752m</td> <td>10m</td> <td>EL105m</td> </tr> <tr> <td>Right wing</td> <td>440m</td> <td>10m</td> <td>EL105m</td> </tr> </tbody> </table> 2) River Improvement - Diversion Channel of S. Garassi(800m), Road Raising(3,000m), Drainage Ditch (12,000m) 3) Water Supply - Intake construction; Pipeline Conveyance Facilities 4) Irrigation System Improvement: Bili-Bili & Kampili systems 5) Construction of Hydro Power Station (floor 38m x 22m, 32m high) Generating Equipment(Installed capacity 5,600KW x 2)					Crest length	Crest width	Crest elevation	Main	670m	10m	EL105m	Left wing	752m	10m	EL105m	Right wing	440m	10m	EL105m
	Crest length	Crest width	Crest elevation																
Main	670m	10m	EL105m																
Left wing	752m	10m	EL105m																
Right wing	440m	10m	EL105m																

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

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Phase I

(1)Jeneberang River Urgent Flood Control Project

Subsequent Studies:

May.1985 L/A 198 mil.Yen (E/S)

Feb.1984 D/D completed

Finance:

Feb.1985 L/A 5,381 mil.Yen (Jeneberang River Urgent Flood Control Project Local Currency 781mil.Yen)

Project Component:

River improvement and construction of drainage canals

Construction:

Feb.1988 Commenced

Dec.1993 Completed

Contractor/PT.Bumi Karsa, PT.Hutana Karya, PT.Istaka Karya

Realized project:

River improvement: 9.6km

New drainage channel: 7.83km

Improvement of existing drainage channel: 4.92km & 2.35km

Total cost: US\$48 million

Maintenance & Operation:

The Jeneberang River Basin Development Project office is in charge of M&O. However, financial constraints hinder proper maintenance.

(FY 1996 Domestic Survey)

Effect:

Since the improvement of the river, no serious flood has hit the area. On the other hand, the construction of drainage canals has dramatically improved the condition of the flood prone area.

(FY 1996 Domestic Survey)

(2)Pampang River Development Project

(FY 1996 Domestic Survey)

As a part of the Jeneberang River Urgent Flood Control Project, D/D was conducted by CTI Engineering from 1993 to 1994.

(FY 1997 Domestic Survey)

Finance:

Oct.1992 L/A 3,000 mil.yen

*Contents of project

Package1-rehabilitation of road, replacement of bridge

Package2-reservoir, pump site

Construction:

Jun.1997 Package1 start

1999 Scheduled to be completed

Contractor / Pt. Istaka Karya and another company

(FY 1997 Overseas Survey)

Pt. Istaka Karya stopped construction.

Phase II

Bili-Bili Multipurpose Dam Project

This project aims to construct a multipurpose dam at the upper Jeneberang river for flood control, stable water supply and stable power supply.

Subsequent Studies:

Finance:

Dec.1990 L/A 6,662 mil.Yen (Bili-Bili Multipurpose Dam Project I/Project Content:Construction of (1)tentative tunnel for drainage (2)tentative closed dam and (3)roads)

Oct.1992 L/A 20,798 mil.Yen (Bili-Bili Multipurpose Dam Project II/ Project Content:Construction of dam and auxiliary facilities)

Nov.1994 L/A 3,488 mil.Yen (Bili-Bili Multipurpose Dam Project III/ Project Content:Construction of pipelines from Bili-Bili Dam to the filtration plant (16km).

Dec.4.1996 L/A 6,291 mil.yen (Multi purpose Dam Hydro electric Power Plants Project III)

*Contents

Construction of power plant at Batutugui, Wonorejo and Bili-Bili multi purpose dams.

Construction:

Contractor / J/V of CTI Engineering and local consultant

(FY 1997 Domestic Survey)

1992~1999 (schedule)

Pouring water has started in November 1997. Package 4 has been started.

Contractor/Kumagaya gumi, Retsay, Hazama, Brantas

Bili-Bili Irrigation Project

Dec.1996 L/A 5,472 mil Yen (Bili-Bili Irrigation Project)

Components of the project

Construction and rehabilitation of irrigation canal in Ujunpandang (24,600 ha)to utilize water resources from Bili-Bili multipurpose dam.

Hydraulic Power Project by Bili-Bili Dam

(FY 1998 Domestic Survey)

Finance:

4 Dec.1996 L/A 6,291 million yen

(Multipurpose Dam Hydroelectric Power Plant Project (II))

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 320/82

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Bali International Airport Development		
3. SECTOR	Transportation / Air Transportation & Airport		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Air Communication	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI)		
7. STUDY PERIOD	Dec.1981 ~ Jul.1982 7month(s) ~		
8. SITE OR AREA	Bali Island		
9. MAJOR PROPOSED PROJECT(S)			
	Short-Term(1990)	Mid-Term(2000)	Long-Term(2010)
Runway	Extension:300m	-	-
Runway Strip:	Extension:300m/Widening:100m	-	-
Taxiway:	New Construction 2050m E:950m	-	-
Apron	Expansion:44,000sq.m	Expansion:26,000sq.m	
	Improvement:35,000sq.m		
International Terminal Bld. & Renovation	New Construction 12,500sq.m	Expansion 7,000sq.m	Expansion 10,500sq.m
Domestic Terminal Bld.	Renovation & Expansion 10,000sq.m	New Construction 15,000sq.m	Expansion 13,000sq.m
Cargo Terminal Bld.	New Construction 2,800sq.m	Expansion 1,500sq.m	Expansion 3,500sq.m
Administration Build.	Construction of Control Tower	New Construction 3,500sq.m	-

Note: Numbers in () are the targetted years.

バリ国際空港整備拡充計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Phase I Project

Subsequent Studies:

Oct.1983 L/A 565 mil.Yen (E/S)

Finance:

Jan.1987 L/A 18,999 mil.Yen (Bali International Airport

Construction project (I), Local Currency 4,077 mil.Yen)

*Contents of the Project

- 1) The civil engineering works
- 2) Construction of terminal buildings
- 3) Installation of navigational aids

Construction:

Oct.1989 Commenced

Sep.1992 Completed. The maintenance of a part of facility is continued by 1993.

(2)Phase II Project

Subsequent Studies:

Oct.1993~Jan.1994 M/P review and B/D

1994~1995 D/D

After the formulation of the initial M/P, the tourism promotion policy was changed, which resulted in the rapid expansion of tourists. Thus, the revision of M/P was undertaken.

Finance:

Nov.1994 L/A 11,816 mil.Yen

(Bali International Airport Construction Project(II))

*Contents of the Project

Expansion of apron, extension of parallel taxiway, extension of roads, expansion of parking lot, expansion of international and domestic terminals, construction of cargo building and improvement of other facilities.

Construction:

(FY 1997 Domestic Survey)

Feb.1998~June.2000

Contractor / JV of Takenaka, Taisei, HK, PP and Itochu

(FY 1998 Domestic Survey)

12 % had been completed by Oct.1998.

(3)Phase III Project

Subsequent Study:

(FY 1997 Domestic Survey)

Nov.1996~Feb.1997 M/P and EIA

OECE loan

(FY 1996 Overseas Survey)

The implementation of Phase III is expected to enable the airport to cope with passengers more than 15 mil.

Finance:

(FY 1997 Domestic Survey)

Air side -- OECE, Land side - private fund (schedule)

(FY 1998 Domestic Survey)

There has not been any progress due to the drastic recession of Indonesian economy. Although it was planned to conduct a study regarding privatization, it has not been conducted.

Cost / 140bil.yen

*Contents of the project

Reclamation of Benoa Bay (200ha), extension of a runway (3,000m to 3,600m), expansion of apron, construction of new international terminal building and other related facilities.

Maintenance & Operation of Airport:

P.T.Peyseyo Angkasa Pura-1 is in charge of M&O. It is vigorously promoting various projects such as the expansion work of terminal buildings.

(FY 1997 Domestic Survey)

Operation of the airport by Angkasa Pura-1 is smooth. Profit is increasing every year by over 70% of the previous year, because demand exceeds the capacity and repayment is not started yet.

Effects:

Increase of Passengers (Before construction (1989) 2.1 mil.,

Present (1995) 4.5 mil.)

The infrastructure of surrounding area has been improved. As a result, the construction of new hotels have been facilitated and the employment opportunity for the local people have been increased.

Promoting factors:

(1) Effectiveness

Great contribution is expected to the development of islands east of Bali. In particular, foreign exchange earning from tourism industries.

(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.

(3) Rapid Growth of Passenger, Forecast in Phase-I is 1,450 thousand in 1991, but 3,333 thousand in 1992.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 111/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Electrification Project of Main Railway Lines in Java	
3. SECTOR	Transportation / Railway	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Land Transport and Inland Waterways
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS)	
7. STUDY PERIOD	May.1982 ~ Mar.1983 10month(s) ~	
8. SITE OR AREA	Java island trunk railway lines: Northern route Merak-Jakarta-Banyuwangi, Southern route Cikampek-Surabaya, Connecting route Cirebon-Kroya, etc	
9. MAJOR PROPOSED PROJECT(S)		
<p>The main purpose of this study were as follows;</p> <p>1) Calculating investment benefit and energy saving.</p> <p>- The whole investment is estimated Rp.1,463 billion (Rp 49 billion/year) and IRR is calculated more than 20%. Oil saving amount is expected about 84 million gollon per year. So this project of electrification (more than 2,500 km) is totally evaluated "feasible".</p> <p>2) Selecting a section with highest priority</p> <p>- Jakarta - Cirebon (195km) and Cikaupok - Bundung (90km) are selected.</p> <p>Formulating long-term plan</p> <p>- Above priority section would be completed at 1989. Work period is about 25 years. The pace of electrification is considered 100 km per year.</p> <p>3) Studying a type of electrification suitable for Java island.</p> <p>- Comparing several types, alternating electrification with 25kV commercial frequency is selected at the most suitably.</p> <p>Various investments relating this electrification are considered in this study.</p>		

ジャワ島幹線鉄道電化計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

Subsequent Study:

FY 1984~86 "Electrification Project of Main Railway Lines in Java (F/S)"

Situation:

At present, no discussion is being made on promoting electrification, because the situation of electric power supply is limited throughout the country and, for instance, introduction of private power generators is required in developing industrial parks and buildings.

Considering that the speed increase on trunk lines has been taken up as a future objective, it is necessary, before electrification, to take effective measures for preventing train delay and ensuring safety by improving facilities for operation control, such as signals.

(FY 1995 Overseas Survey)

Presently, the first priority on railway improvement in Java is not to put on the electrification, but on increasing speed through the following improvement items. Reinforcement of tracks/Rehabilitation of bridges/Modernization of signals/Double tracking in partial/Supply of diesel locomotive and passenger coaches.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 112/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Urban Development Planning on Gerbangketosusila Region (Surabaya Metropolitan Area)	
3. SECTOR	Social Infrastructure / Urban Planning & Land Development	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General Cipta Karya
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Nov.1981 ~ Mar.1983 16month(s) ~	
8. SITE OR AREA	Surabaya and its vicinity	
9. MAJOR PROPOSED PROJECT(S)		
<p>A master plan of Surabaya city was formulated for the target year 2000. Short term implementation program includes the following projects.</p> <p>Middle Ring Road 41.5 km New Transit System Tandes Industrial Complex (1,200 ha) Park Town Housing Complex (1,200 ha)</p>		

スラバヤ都市圏都市計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(1) Surabaya Ring Road (Intermediate Ring Road)

The priority of this project grew up because East Java development project made rapid progress.
Sep.1991 L/A 11,992 mil.Yen (Heavy Loaded Road Improvement Project)

Project Component:

- 1) Road improvement in South Sumatra and Java and E/S thereof
 - 2) E/S for Surabaya Ring Road
- (FY 1993 Domestic Survey) F/S and D/D implemented

(2) Surabaya Urban Development Project

This project is based on this M/P and "Solid Waste Management for Surabaya City (1993)"

Finance:

Feb.26.1993 L/A 11,251 mil.yen

(Surabaya Urban Development Project(I)/Local Currency Rp.67.98mil.)

*Contents of OECF loan

- 1) Urban road (5 routes) 2) Drainage 3) Water supply
 - 4) Solid waste management 5) Technical cooperation
- 1995 IBRD L/A US\$ 175 mil. (Local Currency Rp.309,472,404,000)

*Contents of OECF loan

- 1) Urban road 2) Drainage 3) Water Supply 4) Sewage
- 5) Improvement of densely populated area 6) Technical Cooperation

Construction (Road):

Due to the difficulty for land acquisition, the progress of the project is as follows. (As of Nov.1996)

<D/D; Land acquisition; Construction>

1. Eastern Middle Ring Road Stage I East Bound (6,390km)

<Completed; 0%; ->

Eastern Middle Ring Road Stage I West Bound (4,400km)

<Completed; 0%; ->

2. Jl. Kenjeran Stage I (1,850km)

<Completed; 50%; 50% completed>

Jl. Kenjeran Stage II (3,000km)

<Completed; 100%; in progress>

3. Jl. Banyu Urip Stage I (3,100km)

<Completed; 0%; ->

Jl. Banyu Urip Stage II (2,870km)

<Completed; 0%; ->

4. Jl. Margomulyo Second Carriageway (3,250km)

<Completed; 100%; 100% completed>

5. Eastern Middle Ring Road Stage II Southern Section (3,750km)

<Completed; 0%; ->

Eastern Middle Ring Road Stage II Northern Section (7,300km)

<Completed; 30%; 30% completed>

(3) Arterial Road System Development in Surabaya Metropolitan Area

(M/P+F/S) (Jan.1996~Jun.1997)

(FY 1996 Domestic Survey)

Based on this 1983 M/P, M/P aims to formulate a long-term plan for the improvement of arterial road system and F/S will be implemented for high priority routes.

(4) Tandes Industrial Complex

(FY 1993 Domestic Survey)

SIER, Tandes and Gresik were appointed for the industrial complex area. The construction of factories has been in rapid progress. (This is influenced by the progress of toll road project of Surabaya-Gresik, Surabaya-Gampol-Malay and Surabaya-Mojokarto)

Others:

(FY 1993 Overseas Survey)

The Government used the main point of the M/P as "an essential reference" for the urban development at present. However, each project component has not been embodied yet.

(FY 1993 Domestic Survey)

BAPPEDA of East Java adopted this M/P as a structure plan for Surabaya metropolitan area. So each sector of the development projects are based on the M/P.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 113/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	North Banten Water Resources Development	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Planning and Programing, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	
7. STUDY PERIOD	Jul.1982 ~ Jul.1983 12month(s) ~	
8. SITE OR AREA	North Banten Area. West Java Province	
9. MAJOR PROPOSED PROJECT(S)		
<ul style="list-style-type: none"> - 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 		

北バンテン水資源開発基本計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

- 1) The major purpose of this project was the irrigation of rice fields. However, Indonesia attained self-supply of rice, so the project which aimed at increasing productivity of rice was postponed.
2) Any large projects were postponed in Indonesia.

Subsequent Studies:

Karian multi-purpose dam
F/S undertaken by Nihon Koei and Mitsui Kyodo

Detail:

(FY 1994 Domestic Survey) (FY 1995 Domestic Survey)
Refer to "Karian Multipurpose Dam Construction Project"
(ASE IDN/S 326/85)

(FY 1997 Domestic Survey)

The objective of the project was modified from irrigation development to water supply to Jakarta metropolitan area, Selang and Tangerang. In accordance with the modification, F/S on Cijung-Cidurian Integrated Water Resources Development (S 346/94) was carried out.

* The project will not be followed up from FY 1998. (the outputs of study are being utilized)

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 114/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Long Term Development Programs of the International Telecommunications	
3. SECTOR	Communications & Broadcasting / (Comms. & Broad. in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Post and Telecommunication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Kokusai Denshin Denwa Co, Ltd.	
7. STUDY PERIOD	Jun.1982 ~ Jun.1983 12month(s) ~	
8. SITE OR AREA	Jakarta, Medan and Surabaya	
9. MAJOR PROPOSED PROJECT(S)		
<p>The study proposed the following three measures.</p> <ol style="list-style-type: none"> 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 		

国際通信長期開発計画

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>Finance: (FY 1994 Overseas Survey) PT.INDOSAT itself</p> <p>Construction / Project implemented: Concerning the construction of a new international telecommunication center, a Japanese expert was assigned to PT. INDOSAT to give technical advice on international telecommunication in general from Feb. 1987. PT. INDOSAT has been implementing the recommended measures with technical advice from the Japanese expert.</p> <p>1) Introduction of digital international telephone exchanges: installed in Mar. 1988</p> <p>2) Digitalization of international transmission: 1985 TDMA (Time Division Multiple Access) introduce for satellite transmission 1984 Digitalization of microwave transmission between the earth station - the central station; connection of the international telephone exchange and the domestic relay exchanges by optical fiber cables Apr.1990 Introduction of IBS (Intelsat Business Service) Dec.1990 Introduction of IDR (Intermediate Data Rate) for satellite transmission</p> <p>3) New services: Mar.1989 Commencement of IODC (International Operator Direct Call) services Nov.1989 Commencement of ITFC (International Toll Free Call) services Fall 1989 Commencement of services of the electronic mail box and the reservation system 1989 The study was conducted on the construction and the user promotion of a basket exchange network (SKDP)</p> <p>(FY 1994 Overseas Survey)</p> <p>1.New facilities 1984 Construction of Medan gateway station and cable station completed Mar.1988 Construction of Jakarta international telecom center completed, new digital switching machine introduced Jul.1994 Construction of Medan earth station completed Sep.1994 Construction of Surabaya gateway station completed Feb.1995 Construction of Surabaya earth station completed</p> <p>2.New services 1985 Provision of Packet communication service started 1986 Provision of tele-fax(stored fax service)started 1995 Provision of frame relay service started</p>	

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 206B/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development Project of Dumai Port	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	Oct.1982 ~ Oct.1983 12month(s) ~	
8. SITE OR AREA	Sumatra,Riau Province	
9. MAJOR PROPOSED PROJECT(S)	<p><M/P> 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 :</p> <ul style="list-style-type: none"> - 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 <p>Major projects in the short-term development plan are :</p> <ul style="list-style-type: none"> - Jetty berth : 500m - Dolphin berth : 1 berth (-12m) - New wharf : 3 berths (-10m) - Warehouse : 2 - Development of open storage yard <p><F/S> Reclamation: 2.8 million cu.m New wharf(-5, -8.5, -10m): 1910m Dolphin(-10,-12m): 2 berth Road: 255,000sq.m Revetment: 1,840m Pavement: 320,000sq.m Transit Shed:22,800sq.m Building: 6,000sq.m</p> <ul style="list-style-type: none"> - Water supply, electric power, drainage - Navigation aid construction 	

ドマイ港整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Mar.1984 L/A 230 mil.yen (Development Project of Dumai Port E/S)

During the basic design stage, the exports of palm oil did not grow as much as projected, and the plan to develop port facilities in Batam Island was announced.

1987 Detailed design completed by scaling down the size of the berth for palm oil from 35,000 DWT to 5,000 DWT.

1."Dumai Port Development Project (I)"

Finance:

Dec22.1989 L/A 4,375 mil.yen

*Contents of OECF loan

- 1)Construction of new wharf for general cargo (10m, extension 400m).
- 2)Ground reform and road improvement.
- 3)Transit shed and port utilities.
- 4)Purchase of cargo handling machinery.

Construction:

Jan.1992 started

Nov.1994 completed

2."Dumai Port Development Project (II)"

Finance:

28 Jan 1998 L/A 3,819 mil.yen

*Contents of OECF loan

- 1)Extension of the existing general cargo wharf. (from 400m to 600m)
- 2)Construction of two new palm oil berths.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 207B/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Padang Area Flood Control Project	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NIKKEN Consultants, Inc.	
7. STUDY PERIOD	Jan.1983 ~ Dec.1983 11month(s) ~	
8. SITE OR AREA	Padang, West Sumatra Province	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P>(1)Arau River Improvement Plan:1)Improvement of Main Stream(10.6km), Flood relief channel(6.7km). Jirak River(4.6km); 2)Reconstruction of Lubuk Begalung Diversion weir; 3)Reconstruction of 3 bridges, 3 drainage culverts and 2 syphons.</p> <p>(2)Kuranji River:1)Improvement of Main stream(13.5km), Balimbing River(9.7km),LarasRiver(4.2km); 2)Construction of Laras retarding basin. middle & lower Laras. 4)Reconstruction of 2 bridges.</p> <p>(3)Air Dingin River(5.2km):1)Excavation; 2)Improvement of diking system at lower Air Dingin.</p> <p>(4)Drainage:1)Improvement of main drains 43km; 2) 6 pump stations.</p> <p><F/S>(1) Araw River and Tirak River</p> <p>1)excavation, dredging, embankment 2)wet masonry reventment 3)drain sluiceway 4)bridge 5)groundsill work</p> <p>(2) Flood relief channel</p> <p>1)excavation,dredging, embankment 2)wet & dry masonry reventment 3)drain sluiceway, pump station 4)drainage culvent, bridge, syshon, diversion weir 5)drainage improvement</p> <p>(3) Kuranji, Balimbing, Laras River & Laras retarding basin</p> <p>1)excavation, dredging, embankment 2)wet & dry masonry reventment 3)drain sluiceway 4)bridge 5)groundsill work 6)drainage improvement</p> <p>(4) Air Dingin River</p> <p>1)excavation, embankment 2)wet masonry, reventment 3)drain sluiceway 4)groundsill work</p>		

パダン治水計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Study:

Feb.1985 L/A 580 mil.yen (Padang Area Flood Control Project (E/S))
 Oct.1986~Jan.1988 D/D (Consultant:JV of Nikken Consultants, Inc.and
 Triconjaya)

Contents of D/D:

- 1)Review of previous studies
- 2)Additional data collection, topographical surveys and soil-mechanics investigations
- 3)Detailed design for:
 - a)River channel improvement of the lower and middle reaches of the Arau, Kuranji and flood discharge of 25-year return period)
 - b)Improvement of major tributaries such as the Jirak and Balimbing river(for the flood discharge of 10-year return period)
 - c)New drainage pumping station and improvement of the lower reaches of major drainage channels(for the flood discharge of 10-year return period)
- 4)Preparation of implementation program and O&M manual
- 5)Transfer of knowledge to counterpart personnel

Oct.1988~Mar.1989 additional D/D

Basic design of drainage channel improvement in the new urban area of about 1,500ha between the flood relief channel and the Air Dingin river.

Finance:

Dec.1990 L/A 8,063 mil.yen (Padang Area Flood Control Project (I))
 May.1995 L/A 4,859 mil.yen (Padang Area Flood Control Project(II))

Construction:

<Phase I>

Nov.1991~Oct.1996

- 1)River channel improvement of the Arau river, the flood relief channel and the Jirak river(13km)
- 2)Reconstruction of the Lubak Begalung diversion weir
- 3)Construction/reconstruction of such structures as drainage culverts, drop structures, siphons and road bridges
- 4)Urban drainage channel improvement(2km)
- 5)Construction supervision and transfer of knowledge to counterpart personnel

Contractor /

- Package I Daito Kogyo, PT.Bina Baraga Utama (JO)
- Package II Kuk Dong Construction, PT.Panca Perkasa Inti Konstruksi (JO)
- Package III PT.Adhi Karya
- Package IV PT.Pembangunan Perumahan
- Package V PT.Asia Bangun Cipta, PT.Citra Sarana Bahari Persada (JO)
- Package VI PT.Adhi Karya

<Phase II>

Jul.1997 started

Aug.2000 to be completed

- 1)Improvement of the main tributary, Kuranji River 6.7km, Air Dingin River 3.8km, Branch Streams 4.7km, Drainage Canal 7.8km, Total 23.0km
- 2)Renovation and new construction of the related structures
- 3)Installation of the station for Water-level observation
- 4)Designing works and the construction administration for above-mentioned works
- 5)Technical transfer

Contractor /

- Package I PT.Adhi Karya, Kuk Dong Engineering & Constructin Co.,Ltd. , Findomuda Desaincipta (JO)
- Package II PT.Pembangunan Perumahan, PT.Brantas Abipraya, PT.Duta Graha Inda (JO)
- Package III PT.Waskita Karya
- Package IV PT.Waskita Karya

Situation of progress:

(FY 1998 Domestic Survey)

As of the end of November 1998

- Package I: 39%
- Package II: 29%
- Package III: 48%
- Package IV: 28%
- Total: 39%

Maintenance & Operation:

Since the completion of the Phase I, flood has never hit this targetted area even though it has had rainfall which might have been enough to cause flood before. Housing construction has been promoted in this area protected by the newly constructed bank. The consultant submitted a M&O manual for the facilities constructed in Phase I which was completed by the end of Oct.1996. Based on this manual, the facilities have been operated by the pedang Area Flood Control Project Office.

(FY 1997 Domestic Survey)

After the completion of construction, main rivers (Atau, Kuranji, Air Dingin, Flood relief channel) and their accompanying facilities as ponds and gate, will be maintained by Padang Flood Control Office. Drainage canal will be maintained by Municipality of Padang.

Effect:

(FY 1998 Domestic Survey)

It is expected that the area benefited from the phase II construction will be developed as residential and agricultural lands. According to the evaluation of Padang Area Flood Control Project I &

パダン治水計画

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 309/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	K-C-C Irrigation Development Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	
7. STUDY PERIOD	Jul.1982 ~ Jun.1983 11month(s) ~	
8. SITE OR AREA	Kopo, Cikande, Careng Districts, eastern part of North Banten (Investigated area 11,500 ha, Population 43,000)	
9. MAJOR PROPOSED PROJECT(S)		
1.Irrigation Area : 3,500ha 2.Gadeg Dam : Zone type Rockfilldam 3.Head Reach : 9.6km, max. discharge 6.0cu.m/sec 4.Main/Secondary & Tertiary Canal : 13.0km/96.0km 5.Main Road : 14.8km		

K-C-C 地区灌溉開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Situation:

(FY1994 Domestic Survey)

The project has not been implemented after the feasibility study.

(FY1994 Overseas Survey)

This project was later absorbed into Karian multipurpose dam plan, but the dam is not constructed yet. According to the interview, K-C-C district is fertile and most adequate for rice paddies. However since the district is located in the west Java, much farmland has been transformed into industrial sites. F/S of dam construction in the North Banten was undertaken in 1994, however, its main purpose is to provide water supply to Jakarta rather than agricultural use.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 321/83

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Urban Renewal Housing Project in Jakarta	
3. SECTOR	Social Infrastructure / Urban Planning & Land Development	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Housing, Building, Planning & Urban Development, Ministry of Public Works.
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) Nihon Sekkei Inc.	
7. STUDY PERIOD	Jul.1982 ~ Dec.1983 17month(s) ~	
8. SITE OR AREA	Jakarta	
9. MAJOR PROPOSED PROJECT(S)		
<p>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. 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.</p>		

ジャカルタ住宅市街地再開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

The Government requested OECF for an E/S loan in 1983/84 and 1984/85, but did not get the approval.

Impediment Factor:

1. Increased squatters caused the land acquisition to a failure.

2. Low priority

3. Because the site is adjoining Manggarai Station, the plan, incorporating housing area, is not appropriate now. Such situation changed the original plan to a commercial zoned one.

Then, the beneficiary of the plan is so limited that it is difficult for OECF to loan it.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 208B/84

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting	
3. SECTOR	Communications & Broadcasting / (Comms. & Broad. in) General	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate Gneral of Radio, Television and Film (RTF)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NHK Integrated Technology	
7. STUDY PERIOD	Jul.1983 ~ Dec.1984 17month(s) ~	
8. SITE OR AREA	The entire country	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P>1) TV Republic Indonesia (National TV Station) 2) Radio Republic Indonesia(National Radio Station) <F/S>- Radio transmission (medium-wave, short-wave, FM): 54 new stations; rehabilitation of 23 stations; 26 sets of alternate equipment - TV transmission 50 new stations; 10 sets of equipment for replacement - Radio broadcasting facilities: 26 new studios; 99 studios for rehabilitation; OB van and 42-unit studio equipment 114 sets - TV broadcasting facilities: 9 new studios; 8 studios for rehabilitation; OB van and 16-unit studio equipment 67 sets</p>		

ラジオ・テレビ放送総合開発5ヵ年計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1) Enhancement of Radio and Television Network (Phase-I)

Finance:

Dec.27.1985 L/A 6,507 mil.yen

(Enhancement of Radio and Television Network)

(Total cost-US\$31.5 mil. of which local cost US\$4.2 mil.

(US\$1=Y.238.84=Rp.1,126)

Construction:

Dec.1997 started

Sep.1990 completed

(2) Enhancement of Radio and Television Network (Phase-II)

Finance:

Dec.8.1987 L/A 8,603 mil.yen

(Enhancement of Radio and Television Network, Phase-II)

(Total cost-US\$ 55.5 mil. foreign and local costs financed by OECF)

Construction:

Oct.1989 started

Oct.1992 completed

*Related Project

Television News and Program Total Editing and Dubbing System

Finance:

Oct.27.1988 E/N 502 mil.yen (Project for the Television News and Program Total Editing and Dubbing System)

Construction:

Feb.1997 started

Dec.1999 completed

Situation:

From 1988 to 1990, further JICA M/P and F/S were carried out in order to review the existing Long-term Plan and also work out Short-term Plan of the Repelita V. In addition to above Projects, three projects were completed and three projects are on-going by loans from USA, UK and Austria.

* Refer to "Integrated Radio and Television Servicing System Project (IDN/S 216B/89)" for detail.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 209B/84

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Jakarta Water Supply Development Project	
3. SECTOR	Public Utilities / Water Supply	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.	
7. STUDY PERIOD	Jun.1983 ~ Mar.1984 9month(s) Jun.1984 ~ Mar.1985 9month(s)	
8. SITE OR AREA	Jakarta City(emergency portion & Stage 2-Phase1)	
9. MAJOR PROPOSED PROJECT(S)		
<M/P> 1. Emergency Plan 1-1 Rehabilitation & improvement construction project(1985-1990) 1) Replacement/installation of water meters 2) Rehabilitation of distribution pipelines to reduce the unaccounted-for-water 3) Leakage protection survey plan 1-2 Short term improvement plan/project(1985-1989) 1) Chlorine dosing facility improvement 2) Installation of distribution branch pipes 1-3 The Emergency plan/project 1) Construction of new water treatment plant and trunk main pipes to transmit water to existing service area 2. Expansion plan(3,000 l/s each) 2-1 West Tarum canal system 2-2 Cisadane river system 3. Project financed by the World Bank 3-1 Prompt execution of West Tarum canal expansion project 3-2 Prompt execution of transmission pipeline to convey water from new intake site to existing water treatment plant <F/S>Intake/ Eastside West Tarum Canal 3.2cu.m/s; 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		

ジャカルタ市水道整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

<M/P>

General plan targetting the year of 2005 was devided into two stages and each stage was devided into two phases. F/S on 1st stage plan was conducted subsequently. Based on the proposal of this study, finance for the emergency plan (indispensable before the implementation of 1st stage plan) was requested to Japanese Government as follows and the rehabilitation plan was requested to World Bank (D/D was undertaken by French consultant in 1987).

<F/S>

(1)Treatment Plant

1.The 2nd Stage Emergency Project

Subsequent Study:Jul.1987 D/D completed

Finance:Feb.15.1985 L/A 4,500 mil.yen (BUARAN-1)

*Contents/BUARAN Treatment Plant No.1, distribution pipe 16.8km

Construction:

Oct.1987 Construction of BUARAN Treatment Plant No.1 started

Jul.1992 BUARAN Plant No.1 completed

2.The 2nd Stage Plan, Phase I

Subsequent Study:1988~89 D/D completed

Finance:Dec.27.1985 L/A 10,923 mil.yen (BUARAN-2, Phase I)

Construction:

Construction of BUARAN Treatment Plant No.2 (Phase I) started

BUARAN Plant No.2 to be completed

3.Chisadane Treatment Plant

(FY 1997 Domestic Survey)

Location was changed from Lebakbuls city to right bank of Chisadane river and capacity was altered from 3m³/s to 2.8m³/s.

Finance:World Bank

Construction:

1995 completed.

Civil work on distribution pipe from plant to Jakarta city is under implementation.

4.Others

(FY 1995 Domestic Survey)

It is decided that the management of the Waterworks Bureau of the City of Jakarta should be privatized dividing both eastern and western areas which are on the both side of Ciliwung River.

Detail survey works will be carried out in shape of the Master Plan (reinvestigation) by JICA.

(FY 1997 Domestic Survey)

Eastern side/Thames Water

Western side/Riyonese Tezou

Eastern distribution station in Lebakbuls has been completed.

Construction is going on in other site. Western transmission facility and distribution Plant were constructed in 1955.

(2)Distribution Pipes Network

Finance:

Dec.14.1990 L/A 6,446 mil.yen (Distribution Pipes Network)

*Contents/rehabilitation of existing pipes, new construction of distribution branch pipes, new construction of distribution main pipes, improvement of drainage canal

Construction:

(FY 1997 Domestic Survey)(FY 1998 Domestic Survey)

Phase I

May.1992 started

1996 completed in western side

Dec.1997 completed in eastern side

Consulting Firm/ Nissui con, Nippon Koei

Contractor/PT.WAVIN DUTA JAYA, PT.PRALON Indonesia

Phase II

Private companies are carrying out (five year plan)

Operation & Maintenance

(FY 1997 Domestic Survey)

Buaran plant is operated in good condition by staff of Waterworks Bureau.

Effect:

(FY 1997 Domestic Survey)

Serviced population grows from 2.4 millions to 4 millions.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 322/84

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Nusa Tenggara Area Terrestrial Transmission Network Project	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ditjen Postel
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Aug.1983 ~ Feb.1984 6month(s) ~	
8. SITE OR AREA	Nusa Tenggara Area	
9. MAJOR PROPOSED PROJECT(S)		
<p>1.Main microwave system (1) 6GHz: 960ch-60Mbit/s Transmission system (2) 2GHz: 60ch/120ch-4/8Mbit/s</p> <p>2.Spur microwave system (1) 800MHz,120ch analog Transmission system (2) 400MHz,analog construction</p>		

ヌサテンガラ電気通信網整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: (FY 1994 Overseas survey) French contractor uses this JICA study as a reference for their D/D.</p> <p>Finance: (FY 1994 Overseas Survey) The project was implemented by French loan as a part of WB Telecom IV. French project includes Bali-Nusa Tenggara section (this section is not included in JICA study) 1992 France L/A signed (145.0 m FF)</p> <p>Construction: (FY 1996 Domestic Survey) Apr.1994~Aug.1996 Completed</p> <p>Detail: (FY 1996 Domestic Survey) The implementation of related projects, such as the transmission system between Java and Bali, etc., which have the higher priority than this study, was delayed. However, they have been completed with the French loan.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 323/84

1. COUNTRY	Indonesia	
2. NAME OF STUDY	New Railway Line for Cengkareng Airport	
3. SECTOR	Transportation / Railway	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Land Transport and Inland Waterways
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS)	
7. STUDY PERIOD	Jul.1982 ~ Aug.1984 25month(s) ~	
8. SITE OR AREA	Section between the center of Jakarta and Cengkareng Airport	
9. MAJOR PROPOSED PROJECT(S)		
<p>New Railway Line for the airport (Route A:19.8km): It will be constructed between Cenkareng Airport and Jakarta station. (Detailed route;the airport -through the northwest Jakarta City - Kotaintan station-Pass over the being line around Kata Station - connect the central line at Jakarta station.) Construction cost:35,503 million yen. Rolliy stock cost ... 12,242 million yen.</p> <ol style="list-style-type: none"> 1) Engeneering/Truck construction:Base, elevated bridge, truck 2) Electrification:substation, distribution wire, lighting and electric facilities. 3) Signally and telecommunication construction:railroad crossing, lighting instrument, lighting line, truck circuit, telecommunication instrument, telecommunication line. 4) Station facilities: station, signal station 5) Airport station: Engeneering, bridge, platform, building, truck 6) Compensation for removals. 		

ジャカルタ大都市圏鉄道輸送計画(チェンカレン空港鉄道新線計画)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Reasons for Stoppage: (FY1995 Overseas Survey) At present, the toll road, which is going to be fully connected with the airport, is under construction. It is projected that this toll road will be enough as access transport means for the time being. If the toll road would become congested, the necessity of new railway line construction would arise.</p> <p>Situation before Stoppage: This project is included in the JABOTABEK Project which is steadily in progress under the guidance of JARTS. Since the immediate objective of the JABOTABEK Project is the completion of a commuter railway, the implementation of this project including new line construction is behind the schedule. However, since this project is related to future plans of the Jakarta Kota area, it is necessary to harmonize with these plans especially the timing of respective implementation, in future.</p> <p>(FY1994 Domestic Survey) Meanwhile, the Government of Indonesia is expecting that this new line construction project will be invested by private sector due to the fact that it has become possible for private sector to invest the railway development by the New Railway Law revised in 1992. However, actual plan is not disclosed as yet.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 324/84

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Grade Separated Crossing in Manggarai Station, Improvements on Merak Line and Track Addition and Other Improvements on Tangerang Line		
3. SECTOR	Transportation / Railway		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Land Transport and Inland Waterways	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS)		
7. STUDY PERIOD	Jul.1983 ~ Jun.1984 11month(s) ~		
8. SITE OR AREA	JABOTABEK area (Around Manggarai station, regions along the Merak and Tangerang lines)		
9. MAJOR PROPOSED PROJECT(S)			
<p>(1)Grade separation of Manggarai station:</p> <ul style="list-style-type: none"> 1)Station Facilities: station building, passageway, platform, platformshed; 2)Railway Structure: reinforced concrete(RC) viaduct, RC hox culvert, new bridge, embankment and RC retaining wall; 3)Drainage Facilities; 4)Electric, Signalling and Telecommunication facilities. <p>Track addition on (2) the Merak Line and (3) the Tangerang Line</p> <p>1st Stage: Rehabilitation</p> <ul style="list-style-type: none"> - Rehabilitation of the track and road level crossings. - Replacement of the R3 rail to R14A rail(Merak Line) - Replacement of 25kg/m rail to UIC54 rail (Tangerang Line) <p>2nd Stage: Expansion</p> <ul style="list-style-type: none"> - Improvement of electric, signalling and telecommunication. <p>3rd Stage:Track Doubling</p> <ul style="list-style-type: none"> - Track addition and completion of rehabilitation work. - Improvement of access roads to the stations and station front plazas. 			

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、メラク線タンゲラン線改良)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Grade Separated Crossing in Manggarai Station

Subsequent Studies:

1987~1988 D/D

Consulting Firm/PCL,JTC,JEC and other 4 local firms

Study Cost/ 443 mil.Yen (a part of OECF loan for "Jabotabek Area Railway Modernization Project")
879 mil.Rp

Difference with JICA's proposal/Track layout plan and function of platform are different considering construction cost,flexibility of future program.

Finance:

(FY 1997 Overseas Survey)

Request for OECF loan has been submitted in Nov.1997.

Construction:

(FY 1997 Overseas Survey)

1999~2004(schedule)

Situation:

(FY 1996 Overseas Survey)

The group of several private companies is now proposing to develop this area. Depending on the contents of this developmet program, it might be necessary to do complemental study such as review of D/D. Also, as the increase of train frequency, the early implementation of this project is desired.

(2)Track Addition of the Merak Line

Subsequent Study:

1986~1987 D/D

Consulting Firm/Sofretu, PT.Jaya CM

Study Cost/64.82 mil.FF, 3,131 mil.Rp (together with Tangerang line)

Finance:

Domestic fund (line enforcement)

French loan 1982, 1990, 1991 and 1992 FF 249.79 mil.

*Components

Procurement of track material, electrification material and signal and telecommunication material.

Construction:

(FY 1996 Overseas Survey)

Mar.1988~Aug.1995

Consulting Firm/Sofretu, PT.Jaya CM

Contractor/GEC,ALSTHOM and others

Situation:

After the test running was finished, electrification facilities were damaged by lightning. The damaged facilities are planned to be repaired soon enabling to operate train from 1997.

(FY 1996 Overseas Survey)

Considering the growth of transport demand, the double track development of Merak Line should be implemented as proposed in this F/S.

(FY 1997 Overseas Survey)

At first single track is programmed to be improved. Later on, double track is programmed to be constructed. The construction will be started in 1999 with French loan (electrification and automatic signal included)

(3)Track Addition of the Tangerang Line

Subsequent Study:

1986~1987 D/D

Consulting Firm/Sofretu, PT.Jaya CM

Study Cost/64.82 mil.FF, 3,131 mil.Rp (together with Merak line)

Finance:

French loan 1993 FF 250 mil.

*Components

Procurement of track material, electrification material and signal and telecommunication material.

Construction:

Consulting Firm/Sofretu, PT.Jaya CM

Contractor/GEC,ALSTHOM and others

Apr.1995~Jan.1999 Being implemented (FY 1996 Overseas Survey)

Jan.1997 Installation of materials to be completed

(FY 1995 Overseas Survey)

1997 Scheduled to be completed. The program to develop a new single track with electrification as well as automatic signalling system along the existing track. (FY 1994 Domestic Survey)

(FY 1997 Overseas Survey)

Double track improvement with electrification and automatic signalling system which is programmed to be realized in accordance with the requirement.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 325/84

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Volcanic Debris Control and Water Conservation Project in the Southeastern Slope of Mt. Semeru	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. Asia Air Survey Co., Ltd.	
7. STUDY PERIOD	Mar.1982 ~ Dec.1984 33month(s) ~	
8. SITE OR AREA	Lumajan, East Java	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1)The First Priority Project</p> <p>(A)Sediment Control Facility Project Check Dam (3), Diversion channels(length of 1.3km) Sand Pocket(1),Intake and channel(1)</p> <p>(B)Debris Flow Warning System Project - Information Collection System: 1 small radar raingauge station, 8 telemeter rainfall stations, 6 telemeter water level stations, 4 debris flow sensing stations, 2 debris flow visual measuring stations, 1 repeater station. - Information Processing System: information processing center. - Public Information System: 11 speaker station</p> <p>(2)The Second Priority Project: Check Dam(6), Sand Pocket(2)</p> <p>(3) Water conservation plan: Intake facilities, Groundwater Exploitation Facility, 2 Water Conveyance Facilities, Hydro-electric Power Station, Cultivated Paddy Field.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>The reasons for realizing the projects are as follows: (1) Scale of effect: Debris flow disaster occurred in May 1981 in the project site; (2) Priority: Priority was particularly high as a urgent measure against disaster; and (3) Strength of propelling agency: Backed up by River Bureau, Ministry of Public Works.</p> <p>Finance: Oct.1983 L/A 2,808 mil.yen (Mt.Semeru Urgent Rehabilitation Project)* *Contents of OECF Loan 1)River Bed Excavation (0.7km) 2)Construction of river dyke (111km) 3)Construction of Sabo Dam (2 places)</p> <p>Total cost: US\$21.18 million (US\$1=230yen) Local cost: US\$ 8.97 million (US\$1=Rp.650)</p> <p>Construction: Apr.1990 Construction completed Aug.1991 Additional construction completed</p> <p>Situation: (FY 1994 Domestic Survey) In Feb.1994, a large scale eruption of Mt.Semeru volcano gave a large amount of accumulation of earth and sand (about 14 Mil.m3) at the upstream of Rivers Rejari and Kediri. In order to implement counter measures for this, the implementation plan of the OECF Loan Project has been prepared.</p> <p>Related Projects: Finance: Dec.1.1995 L/A 4,405mil.yen (Mt.Merapi & Mt.Semeru Volcanic Disaster Countermeasure Project (II))</p> <p>Construction: (FY 1998 Domestic Survey) Merapi Project M1: 15 Oct. 1997 ~ 53% had been completed by Nov. 1998. M2: 14 Oct. 1996 ~ Nov. 1998 (completed) M3: 15 Oct. 1997 ~ 77% had been completed by Nov. 1998. M7: ~ 10% had been completed by Nov. 1998.</p> <p>Semeru Project S1: 9 Sep. 1997 ~ 71% had been completed by Nov. 1998. S2: 9 Sep. 1997 ~ 96% had been completed by Nov. 1998. S3: 9 Sep. 1997 ~ 71% had been completed by Nov. 1998. Warning System: 30 Dec. 1997 ~ 18% had been completed by Nov. 1998.</p>		

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 115/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Master Plan on the Development of Aids to Navigation System	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Association for Aids to Navigation	
7. STUDY PERIOD	Feb.1984 ~ Mar.1985 13month(s) ~	
8. SITE OR AREA	the entire country	
9. MAJOR PROPOSED PROJECT(S)		
	Long-term	Short-term
Light-wave signals		
Lighthouses(land)	190	69 (35)
Floating lighthouses(sea)	11	2
light signals	335	131 (81)
Floating-type light signals	18	8
Floats	350	249 (222)
Radio-wave signals		
Medium-wave beacon stations	39	17
Radar beacon stations	67	28 (8)
<p>Note:(1)Figures in parentheses indicate the units which were being installed during the study. (2) () in above table show the planned number to be installed before this survey works carried out.</p>		

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Subsequent Studies:

Nov.1992~Mar.1994 "Integrated Modernization Plan for Sea Transport in Eastern Indonesia (1993)" (M/P+F/S) targetting the Eastern Indonesia such as the central Borneo, Sulawesi.

*Refer to "Integrated Modernization Plan for Sea Transport in Eastern Indonesia (1993)" for detail.

May.30~Nov.29.1996 "Transfer of Maintenance Technology of Navigation Aid (Radio-Wave Signals)"

*Contents:Survey and Examination on the facilities and their present condition, technology transfer and making an estimate of restoration expenses.

Finance:

Spain (light-wave signals)

U.K. (light-wave signals (a part of lighthouses, floats)

France (light-wave signals, differential omega station)

U.S. (light-wave signals, radio-wave signals, rader beacon stations)

Japan (light-wave signals, radio-wave signals, medium-wave beacon stations, automation of light-wave signals of lighthouses, warning system for putting out the lights, improvement of warehouses, construction of boats for signal installation)

1983 L/A (IP267) 5,000 mil.Yen

(Medium Wave Beacon Station Construction)

1991 L/A (IP380) 1,350 mil.Yen

(Eastern Indonesia Navigation Signals Improvement I)

1992 L/A (IP394) 1,500 mil.Yen

(Eastern Indonesia Navigation Signals Improvement II)

Construction/Implemented Projects:

(FY 1997 Domestic Survey)

(IP-380) Feb.8.1996~Sep.30.1997 (Tomen)

(IP-394) Feb.1996~Sep.1997 (T.B.KEMENANGAN)

JICA long-term plan/Installed No.before'84/Installed No.as of'96

Light-wave signals

Light houses 201 / 149 / 229

Light signals 353 / 601 / 1,343

Floats 350 / 342 / 590

Radio-wave signals

Medium-wave beacon stations 57 / 0 / 18

Radar beacon stations 67 / 3 / 84

Differential omega stations - / 0 / 0

Operation & Management:

Maintenance cost and power failure will be reduced because solar energy generation was introduced.

Maintenance of towers becomes easier because they are made of concrete and robbery will be prevented.

Measures for power failure will be taken more effectively and quickly due to the introduction of Observation System.

Special training of navigation signals contributes to effective maintenance work.

Effects:

(FY 1997 Domestic Survey)

The area where signals were constructed is a part of sea lane of Indonesia and is in a cross point of ports in development areas.

The signals which have same quality of lights as recommended by IALA will contribute to safe navigation.

The project will contribute to safe navigation of small boats and passenger boats.

Successful construction of concrete tower at remote area is expected to be a model project.

Situation:

(FY 1995 Overseas Sruvey)

At present, 30 lighthouses, 134 light beacons and 109 light signals were installed by means of loans from Spain, France and Japan. It is necessary to inspect and renovate in each five years in future.

(FY 1997 Domestic Survey)

Implementation of similar projects is expected because this project was comprehensive covering all the steps from construction to hand over.

Basic design of light wave and radio wave signals to contribute to safe maritime transportation and economic development is expected.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 116/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Lower Asahan River Basin Development	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	IPU
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Yachiyo Engineering Co., Ltd. NIKKEN Consultants, Inc.	
7. STUDY PERIOD	Oct.1984 ~ Sep.1985 11month(s) ~	
8. SITE OR AREA	North Sumatra	
9. MAJOR PROPOSED PROJECT(S)		
<p>In Land and water resources in the lower Asahan river basin, master plan for flood control sector was firely formulated. Secondly irrigation development plan were formulated under the condition of completion of flood control works.</p> <p>(1)Master plans of flood control sector Bunut project:34km of channel improvement, Rp 12,600 M of Const cost Asaham/Silau project:64km of channel improvement, 18km of new dyke Rp 63,500M const cost. Kualuh project: 46km of channel improvement, Rp 20,500M</p> <p>(2)Urgent flood control project (for 10 year design flood) Asahan / Silau project:57km of channel improvement, Rp 36,500M of const cost.</p> <p>(3)Sila-Bunut rehabilitation irrigation project Net irrigation area:10,300 ha Const cost:RP.157,310M (const. cost was estimated at 1985 price)</p>		

アサハン河下流域開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Subsequent Studies:

Jan.1987 L/A 628 mil yen (Lower Asahan River basin development E/S)

Mar.1988~Feb.1990 E/S undertaken

Finance:

The phase I project* was included in the application list for the FY 1991 OECF Yen Credit, but not approved.

Detail:

(FY 1993 Overseas Survey)

- 1) Physical implementation of the project has not been conducted yet. Japanese Government would like to see of land use and spatial planning first before proceeding to finance the project.
- 2) A review study should be executed to identify, the extent of the water level decreasing.
- 3) BAPPENAS (National Planning Board) suggested to re-evaluate and postpone this project.

(FY 1994 Domestic Survey)

The government of North Sumatra Province started the preparatory work for land acquisition.

(FY 1997 Domestic Survey)

In March 1994 the water level of Toba Lake was reached to the altitude of 905m for the first time in eleven years since May 1983. It is possible that water volume will exceed the power generating capacity.

Therefore, the implementation of the project will be requested by local residents continuously.

Financial situation of the country will be a key to realize the project.

(FY 1998 Domestic Survey)

Ministry of Public Works still have intention to implement the projects proposed by M/P. Ten years has passed since the implementation of D/D, therefore, it is required to review the necessity of the projects and their cost, to conduct the EIA, and to reorganize a scenario by focusing the move of the residents.

*This study is the Phase I of the lower Asahan River basin development. The study on Phase II (irrigation development) was already completed by JICA.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 117/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Rural Telecommunications Network	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL,PERUMTEL
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Jun.1984 ~ Aug.1985 14month(s) ~	
8. SITE OR AREA	Whole country	
9. MAJOR PROPOSED PROJECT(S)		
<p>Facilitation of new telephone exchanges of 947,500 units. Remaining from Phase III 194,500 units Planning for Phase IV 750,000 units</p> <p>Facilitation of new telex exchanges of 19,450 units. Remaining from Phase III 3,400 units Planning for Phase IV 16,050 units</p>		

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

Subsequent Studies:

Based on this M/P, a JICA study on the 6th five-year plan for telecommunication development was undertaken in 1992.

*Refer to "Telecommunications Network Development Plan for Repelita-VI (1992)"

Detail:

(FY 1993 Overseas Survey)

This M/P is referred for Replita V through VI. It was also used as basic data of demand foreseeing.

(FY 1994 Overseas Survey)

This study was used as a reference for planning of the 5th five-year plan and also provided the basic principal for the projects (ADB Telecom I, II, WB Telecom III, IV) which were implemented at the same period.

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

<M/P>

1. Priority was high as the city has been developing as center of industry and commerce in the Sulawesi region.
2. Water supply is a basic human needs for improvement of sanitary and environmental condition.

<F/S>

High priority: Promotion of industrial location through sufficient supply of industrial water.

Subsequent Studies:

Feb.1987- L/A (E/S for Water Supply and Drainage in Ujung Pandang, 701 million yen)

Jun.1987- May 1988 D/D of the first phase completed

(Nihon Suido Consultants, Co.,Ltd.)

Jul.1990- Jun.1992 D/D of Rehabilitation (Phase II) completed

(1)Water Supply Rehabilitation

Finance:

Jul.1988 L/A 1,364 mil.yen (Ujung Pandang Water Supply Rehabilitation)

*Contents of Project

- 1)rehabilitation of Maros transmission canal
- 2)improvement of treatment plant
- 3)rehabilitation of distribution pipes
- 4)rehabilitation of water supply facility

Construction:

Jul.1990 Phase I started

Jun.1993 Phase I completed

(2)Water Supply Development

Finance:

Nov.1993 L/A 7,034 mil.yen (Ujung Pandang Water Supply Development Project)

*Contents of Project

- 1)new construction of treatment plant
- 2)improvement of distribution facility

Construction:

(FY 1998 Domestic Survey)

Dec.1994 started

Dec.1999 scheduled to be completed

Contractor/PT Adhi karya, PT. Traya, Degremont-Sumitomo Corp., etc.

(As of 30 Nov.1997, 58% has been completed)

(FY 1997 Domestic Survey)

Distribution pipe will be constructed by August, 1998. Purification station will function from March, 1999.

(FY 1998 Domestic Survey)

New contract (E-TP Contract) was added in Nov.1998. However, since no progress has been made, the rate of amount paid/contract price is quite low.

Perspective for remaining works:

(FY 1997 Domestic Survey)

Review of M/P and realization of F/S for purification and distribution facilities with capacity of 2,000/d are necessary for future demand.

Operation & Maintenance:

(FY 1997 Domestic Survey)

Department of Water of Ujung Pandang city will be in charge of operation and maintenance.

Effect:

(FY 1997 Domestic Survey)

The project has benefit to increasing number of residents who are in lack of water.

Environmental Impact:

(FY 1997 Domestic Survey)

Water is taken from Biri-biri dam. Waste water from household will increase but no pollution to surrounding water areas has been seen so far. Treatment of waste water must be taken into consideration in the future.

Situation:

(FY 1993 Overseas Survey)

Design capacity was changed from 500 l/s to 1000 l/s. In order to meet the water demand rapidly increased.

Location of treatment plant was changed from Manggasa to Somba Opu due to the soil condition.

Implementaton of raw water transmission pipeline was shifted to the Bili-Bili Multipurpose dam project under the Dir.Gen. of Raw Water Resources to avoid the heavy burden for PDAM Ujung Pandang.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 211B/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Widas Flood Control and Drainage Project	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development, Directorate of Rivers
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. NIKKEN Consultants, Inc.	
7. STUDY PERIOD	Jul.1984 ~ Mar.1986 20month(s) ~	
8. SITE OR AREA	Brantas River Basin in East Java Province<M/P> Nganjuk District, East Java Province<F/S>	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P></p> <p>(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</p> <p><F/S></p> <p>Irrigation Net irrigation area 2,599ha Main canal/2nd and 3rd canal 8km/98km Storage dam /place</p> <p>Flood Control Catchment area 1,538 sq.km Design Flood 25year flood Stretches to be improved 81.8km in total Retarding basin 3 places(23.5MCM) Short-cut 1 place (2.9 km) Cost 1) pertains to irrigation and Cost 2) to flood control</p>		

ウィダス川流域開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Wonorejo Multi-Purpose Dam (Proposed in this M/P) Subsequent Studies: Sep.1991 OECF L/A (241 mil.Yen) (Wonorejo Multipurpose Dam Construction Project E/S) Jul.1992-May.1993 D/D</p> <p>Finance: Nov.4.1993 L/A 14,713 mil.Yen (Wonorejo Multipurpose Dam Construction Project (I)) Dec.1996 L/A 6,200 mil. Yen (Multipurpose Dam Generation of Electric Power Project)*</p> <p>*Components of OECF loan Installation of generation facility and CS for 3 multipurpose dams which are under construction funded by OECF (Wonorejo, Patutugi, Bili-Bili)</p> <p>Construction: (FY 1997 Domestic Survey) Jun.1994~2000 (schedule) Contractor / Kashima</p> <p>Related Project: A part of flood control works (Kedungsoko river and Lower Widas) was completed in 1991 by the ADB loan for Waru-Tori Irrigation Rehabilitation Project.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 326/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Karian Multipurpose Dam Construction Project	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	
7. STUDY PERIOD	Jul.1984 ~ Jul.1985 12month(s) ~	
8. SITE OR AREA	Banten area, West Java Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>Karian dam, 60.5m high, rockfill 219 X 1000000 cu.m in off cap. Cilawan dam 36m high, rockfill 62 X 1000000 cu.m in off cap. Trans-basin tunnel, Karian-Cibeureum 1.5km long, 8cu.m/s in cap Trans-basin tunnel, Cilawan-Cicinta 1.9km long, 2.7cu.m/s in cap K-C-C irrigation facilities 10,300 ha River training 26km</p>		

カリアン多目的ダム建設計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Jun.1993-Mar.1995 F/S undertaken.

'Ciujing - Cidurian Integrated Water Resources Development Study'

D/D of Karian multipurpose dam is one of the proposed projects.

Detail:

The Indonesian government requested the OECF financing but did not get the approval.

Special Note:

Cisadane River Basin Development Project, which is located in the east of the proposed Karian Multipurpose Dam, was implemented by the World Bank finance. Owing to the growing need to supply water to Jakarta, the possibility of sending raw water from Karian to Jakarta via Cisadane is now being reconsidered. JICA has agreed to undertake a feasibility study (Integrated Water Resource Development Project in Ciujing and Cidurian), starting from June 1993. The construction of the Karian Dam is being planned after the completion of the study.

(FY 1993 Overseas Survey)

- The main object of this project is irrigation of target area 35,000ha, but about 10,000ha within it were developed as industrial and housing area. So drastic review of landuse policy should be considered.

- The above JICA's study (Ciujing - Cidurian Integrated Water Resources Development Study) is in progress. But a main object of the project is to supply water for industrial use to west Jakarta, Bugor and Tangerang (Jabatabeck)/

(FY 1994 Domestic Survey)

The proposed project has been reviewed by the Government considering the present economic situation in the study area. As a result, purpose of Karian and Cilawan dams has been changed from agricultural development in KCC area to municipal and industrial water supply in the north Banten and Jabotak areas. DGWR-D is carrying out the Ciujing-Cidurian IWR-D study in order to review and update the past plan.

(FY 1995 Domestic Survey)

Based on the results of the Ciujing-Cidurian Integrated Water Resources Development Study, it is recommended to conduct the Karian Dam in order to supply water for Sekung and Tangulang provinces as for its main target until the year of 2002.

(FY 1996 Domestic Survey)(FY 1997 Overseas Survey)

Because the Indonesian government has given the Karian dam project second priority, no action is to be taken to procure foreign fund.

(FY 1997 Domestic Survey)

Western Jawa government puts effort to acquire land for the first priority dam. It seems difficult to assure land for Karian dam.

(FY 1997 Overseas Survey)

Diretorate General of Water Resources Development is to submit the request for implementing the SAPROF by OECF in 1998-99.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 327/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Railway Improvement in Kampung Bandan Station Area	
3. SECTOR	Transportation / Railway	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Land Transport and Inland Waterways
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS)	
7. STUDY PERIOD	Oct.1984 ~ Jan.1986 15month(s) ~	
8. SITE OR AREA	JABOTABEK area(In and around the Kampung Bandan station area)	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1) Shortcut line construction between the Eastern and the Western lines -- about 400m</p> <p>(2) Station construction --- about 650sq.m</p> <p>(3) Rearrangement of track alignment</p> <p>(4) Track raising in the project area: 50cm</p> <p>(5) Construction of station facilities, including a station building station plaza, platforms, and passageways</p> <p>(6) Related civil work, including drainage installation, and embankment reshaping.</p> <p>(7) Signalling:automatic block devices, color light signal system, relay interlocking devices.</p> <p>(8) Telecommunication:automatic exchange telephones, block telephones, public address equipment.</p> <p>(9) Electrification</p> <p>(10)Warehouse Removal</p>		

ジャカルタ大都市圏鉄道輸送計画(カンボンバンドン駅地区改良計画)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Dec.1987~Jul.1988 D/D
 Consulting Firm/ PCI,JTC,JEC,PT.IREC
 Study Cost/ 144 mil.Yen + 165 mil.Rp
 Difference with JICA's proposal/Almost same except for location of main station building.

Finance:

Mar.1987 L/A 27,661 mil.yen
 (Jabotabek Railway Modernization Project V)

*Components

For the central line elevation (B Section) and the electrification of the Bakasi line, the improvement of the Kampung Pandang Station, and the purchase of two rolling stock, consulting service.

Construction:

Jan.1991 Construction started
 Because this project aims at creating a commuter transport route and is indispensable to the loop operation, the organizations concerned are promoting its implementation by recognizing its importance.

Dec.1992 The construction to connect the Eastern and the Western lines was completed
 Feb.1995 Signalling construction was completed

Situation:

(FY 1996 Overseas Survey)

Due to the shortage of staff, the open of the new station was delayed to Apr.1996. The number of users has been gradually increasing. It is believed that the implementation of this project will contribute to the development of the wholesale trade business center close to this station.

(FY 1997 Overseas Survey)

The surrounding area including station area are sometimes suffered from flooding especially during rainy season because of change of drainage situation by development of the surrounding area.

Remaining Project (Main Station Building):

(FY 1996 Overseas Survey)

Due to the squatters problem, the project has been suspended.

Promoting factors:

(1)Significance of effects

(2)Solid arrangements to promote the project:The Indonesian government established the PMG(an organization similar to the Japanese JRCP),and JARTS is supporting the project.

(3)Special service consultants are also supporting the executing authorities.

(4)This is one of indispensable subprojects in the JABOTABEK Railway Project which are required for establishment of modernized commuter railway system.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 328/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Electrification Project of Main Line in Java	
3. SECTOR	Transportation / Railway	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Land Transport and Inland Waterways
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS)	
7. STUDY PERIOD	Dec.1984 ~ Feb.1986 14month(s) ~	
8. SITE OR AREA	Sections between Jakarta and Cirebon and between Jakarta and Bandung, western Java island	
9. MAJOR PROPOSED 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		

ジャワ島幹線鉄道電化計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
Description :		
<p>Reasons of Stoppage: The project was suspended after completion of the F/S. At present, transport improvement in the JABOTABEK area is receiving high priority, because the upgrading of local trunk lines is to be conducted with the progress of the JABOTABEK project, it will take some time before the project implementation. At present, no discussion is being made on promoting electrification, because the situation of electric power supply is limited throughout the country and, for instance, introduction of private power generators is required in developing industrial parks and buildings.</p> <p>(FY1993 Overseas Survey) The number of passengers of these trunk lines has rapidly increased in recent year. Moreover, Indonesia welcomes the fiftieth anniversary of independence in the 1995. So, Indonesian Government has decided to increase transport capability without electrification facilities between Jakarta and Surabaya by 1995 to serve to Indonesian nation. At present we have a plan to change the track gage from narrow gage-1076mm to standard gage-1435mm in same section. Consequently, we would consider to revive the proposed project (electrification) at the same time when the plan of the gage widening would be concretely realized.</p> <p>(FY1995 overseas Survey) Presently the first priority on railway improvement in Java is not to put on electrification but on increasing speed through the following improvement items. Therefore, no preparation for the implementation of this project has been arranged. Reinforcement of tracks/Rehabilitation of bridges/Modernization of signals/Double tracking in partial/Supply of diesel locomotive and passenger coaches.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 329/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Local Road Development	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Highways
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) Kyowa Engineering Consultants Co., Ltd.	
7. STUDY PERIOD	Oct.1984 ~ Mar.1986 17month(s) ~	
8. SITE OR AREA	38 Provinces in 10 states(19,000km in road length)	
9. MAJOR PROPOSED PROJECT(S)		
<p>- Road Works</p> <p>(1) Earthwork, Site clearing, Common excavation, Embankment, Fill in swampy area and Subgrade preparation</p> <p>(2) Sub-base and Base courses, Cement stabilized base course</p> <p>(3) Surface course, Shoulder, Drainage.</p> <p>The road links proposed to be improved: 606 Links, Total length: 6,977km</p> <p>The road links finally to be maintained: 1,111 Links, Total length: 8,683km</p> <p>- Construction of bridges and other structures</p>		

地方道路整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

The reasons for realizing the projects are as follows:

- (1) Promotion of regional production and non-oil exports;
- (2) ADB,IBRD funding in addition to OECF;
- (3) Priority component of Development Plan; and
- (4) Powerful counterpart agency.

(1)Phase 1

Finance:

Dec.1987 L/A 12,882 mil.Yen

(Rural Roads Support Works Project (II))

*Content

Improvement and maintenance of provincial road of 2,727km in the targeted area (10 provinces).

Construction:

Aug.1991 Completed.

(2)Phase 2

Finance:

Dec.1990 L/A 9,000 mil.Yen out of 16,772 mil.Yen of Local and Urban Road Development Project.

*Content

Improvement (1,190km) and rehabilitation (3,760km).

Construction:

Sep.1991 Commenced.

Jul.1994 Completed.

(3)Phase 3

Finance:

Dec.1996 L/A 16,256 mil.Yen(Local Road Development Project III)

*Content

Improvement of provincial roads in 8 provinces.

Construction:

Jun.1997~Mar.2000

Other information:

(FY 1998 Overseas Survey)

All the proposed projects are covered by Phase I, II, and III.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 330/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Improvement Project of Telephone Network in Medan, Semarang and Solo	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL,PERUMTEL
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Nov.1984 ~ Oct.1985 11month(s) ~	
8. SITE OR AREA	Medan,Semarang and Solo	
9. MAJOR PROPOSED PROJECT(S)		
<p>Number of Telephone to be installed (for the year 2005)</p> <p>(1)Medan 254,900 L.U.</p> <p>(2)Semarang 165,800 L.U.</p> <p>(3)Solo 52,800 L.U.</p> <p>The facility plan on this survey is the study of the development of cable network for customers and intermediate cable network, and the new facilitation of digital transmission facility to the intermediate line network, among the facility plans for REPELITA-IV.</p>		

メダン・スマラン・ソロ電話網整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

"Local Cable Network Expansion project in Seven Cities" was identified with World Bank assistance during 1987-1989. This project includes Medan and Semarang.

Finance:

Medan:ADB finance

Semarang:IBRD and own finance

Solo:IBRD finance for the project to be scheduled

(FY 1994 Overseas Survey)

Mar.1992 ADB L/A signed (Telecom I (Total 318mUSD))

Mar.1990 WB L/A signed (Telecom III (Total 698mUSD ,350by WB loan)

Jul.1992 WB L/A signed

(Telecom IV (Total more than 571mUSD. 375 by WB loan)

Construction:

(FY 1994 Overseas Survey) (FY 1998 Domestic Survey)

1992~1997 Telecom I Construction completed

1990~1994 Telecom III Construction completed

1992~1998 Telecom IV Construction completed

Maintenance & Operation:

(FY 1996 Domestic Survey)

PT.TELKOM and the consortium formed at KSO are in charge of management. No Problem has risen so far.

(FY 1998 Domestic Survey)

Consortium in the respective areas are as follows:

1) Semarang (Medang)

Operating organization: Pramindo Ikat (invested by France Cable et Radio S.A., PT. Astratel Nusantara, PT. Intertel Pratamamedia, Prinkopparpostel).

Period of commission: 15 years from 1 Jan. 1996.

Situation: KSO (Joint Operation Scheme).

2) Central Java (Semarang/Solo)

Operating organization: Mitra Global Telekomunikasi Indonesia (MGTI) (invested by Telestra Global Ltd., Nippon Telephone and Telegraph, PT. INDOSAT, PT. Widya Duta Informindo, PT. Krida Salindo Sentosa, Sumitomo Corp., Itohchu).

Period of commission: 15 years from 1 Jan. 1996.

Others:

It was planned that approx. 500,000 terminals and 400,000 terminals would be installed in Sumatra and Central Java respectively within the Sixth Development Plan (until March 1999).

However, since the investors were allowed not to execute the contracts due to the economic crisis, the installation of the terminals will be conducted in the Seventh Development Plan.

STUDY SUMMARY SHEET (Basic Study)

ASE IDN/A 502/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Mosaic Photomap Project of the Downstream Area of the Negara River Basin in South Kalimantan	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Asia Air Survey Co., Ltd.	
7. STUDY PERIOD	Jul.1983 ~ Jul.1986 36month(s) ~	
8. SITE OR AREA	Kalimantan Island, downstream area of the Negara River Basin in South Kalimantan	
9. MAJOR PROPOSED PROJECT(S)	<p>Following works were done as basic data for establishing Agricultural Development Plan in downstream area of the Negara River Basin:</p> <p>1.Taking air photos of those area 6.300 sq.m (1/20,000); and</p> <p>2.Mosaic photomap of Amuntai area (about 1,200 sq.km (1/10,000).</p>	

南カリマンタン州ネガラ河下流域写真図作成調査

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

Subsequent Studies:

(FY 1994 Overseas Survey)

1987~89: M/P undertaken, based on the air photo and map made in this study (Downstream Area of the Negara River Irrigation Improvement Project).

(FY 1995 Domestic Survey)

F/S for irrigation project at this area has been officially requested to Japan by the Government of Indonesia.

Detail:

This study was commenced for the purpose of establishing agricultural development plan, however, the Government of Indonesia was reluctant to hand over topographical maps abroad, therefore this study concluded as Photomap Project.

STUDY SUMMARY SHEET (Basic Study)

ASE IDN/S 502/85

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Topographic Mapping Project for Upper Stream Area of Negara Basin, South Kalimantan	
3. SECTOR	Social Infrastructure / Survey & Mapping	
4. TYPE OF STUDY	Basic Study	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Planning and Programming, Directorate General of Water Resource Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Engineering Consultants Association	
7. STUDY PERIOD	Feb.1983 ~ Jan.1986 35month(s) ~	
8. SITE OR AREA	The upstream basin of River Negara in South Kalimantan (6,500 sq.km for mapping)	
9. MAJOR PROPOSED PROJECT(S)	Preparation of national base maps (scale: 1/50,000 9 plates)	

カリマンタン州ネガラ河上流域地図作成事業

PRESENT STATUS	In Progress or In Use Delayed Discontinued
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. (FY 1996 Domestic Survey) The topographic map produced in this Study was utilized in Negara River Basin Overall Irrigation Development Plan.	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 118/86

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Long Term Planning for Development of Telecommunications System	
3. SECTOR	Communications & Broadcasting / (Comms. & Broad. in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL,PERUMTEL
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Jan.1986 ~ Feb.1987 13month(s) ~	
8. SITE OR AREA	The entire country	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1) Formulation of development goals up to the year 2004 (the ending year of the 7th national development plan) and identification of development strategies</p> <p>(2) Formulation of the basic plan on the scale of development</p> <p>(3) Financial and economic evaluation of the plan and project formation</p>		

電気通信システム長期開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

The reasons why this project has been realized are as follows:

- (1) High priority; and
- (2) Effectiveness.

Subsequent Studies:

- July 1988~July 1989 "long-term and medium-term plan for telecommunications network (S217/89, M/P+F/S)"
 Feb.1992~Jan.1993 "6th five-year plan for telecommunication development (S106/92, M/P)"

Finance:

- 1)Dec.1987 L/A 5,701 mil.Yen (National Radio Frequency Monitoring)
 To expand the frequency monitoring system. To construct 8 HF stations and 22 V/U stations.
 To introduce the computer system.
- 2)Dec.14.1990 L/A 6,537 mil.Yen (Telephone Outside Plant Maintenance Center Project) To construct 3 maintenance centers in Jakarta and 6 centers in Medan, Surabaya and Ujunpandang.
- 3)Sep.25.1991 L/A 3,556 mil.Yen (Junction Network for Expanded Jakarta Multi-Exchange Area Project Phase II) To adopt optical transmission system for the installation of junction network (53 stations, 51 sections) and to install the network monitoring system.
 Refer to "Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas (IDN/S 218B/90)" for detail.
- 4)Oct.1992/Nov.1993 L/A 10,582 mil.Yen (Regional Telecommunications Network in Surabaya and Surrounding Areas Project) To install 78,000 unit lines in 18 exchange stations, to install radio-wave transmission, etc.
- 5)Nov.1993/Nov.1994 L/A 17,353 mil.Yen (Extension and Improvement of Telecommunications Networks in Expanded Jakarta Areas)
 To install 136,000 unit lines in 28 exchange stations, to install 110,670 lines in 3 exchange stations, etc.
 Refer to "Telecommunications Network Development Plan for Repelita-VI (IDN/S 106/92)" for detail.

Construction:

- 1)1988~1991 Completed (Sumitomo)
- 2)1991~1995 Completed
- 3)1992~Aug.1996 Completed (Tomen)
- 4)1993~ Being implemented (Sumitomo and Indonesian Company)
- 5)1994~ Being implemented (Sumitomo, Semens, Tomen and Hyundai)

Detail:

(FY 1994 Overseas Survey)

- Used as a reference for planning of REPELITA VI, ADB Telecom I, II, WB Telecom III, IV.
 Used as a reference for planning of M/P parts of two JICA development studies (Long term and Medium term Plan for Telecom. Network in Jabotabek Area, Long Term and Medium Term Plan for Telecom. Network in Surabaya and Surrounding areas).

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 212B/86

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development Plan of the Port of Semarang (Phase II)	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	May.1985 ~ Aug.1986 15month(s) ~	
8. SITE OR AREA	Semarang, and its environs, Java Province	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P>The target year of this master plan for the following plans is 2005.</p> <p>1.Land use plan</p> <p>1)For Cargo Movement; International Terminal: 57.2 ha, Domestic Public Wharf: 64.8 ha, Distribution Area: 55.4 ha</p> <p>2)For Industrial Activities Littoral Industry: 73.2 ha, Manufacturing Industry: 169.1 ha</p> <p>3)For Business and Government Area Government Area:26.6 ha, Business Area: 13.6 ha</p> <p>4)Others; Railway road area; 13.6 ha</p> <p>2.Plan for improvement of facilities; 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</p> <p><F/S>Urgent Development Plan toward 1990.</p> <p>(1)Required Berths</p> <ul style="list-style-type: none"> - wharf for foreign trade <ul style="list-style-type: none"> -10m wharf: 345m -7.5m wharf: 100m - Passenger terminal: 150m (multi-purpose) - coal wharf: 150m - Fertilizer wharf: 150m - Wharf for steel materials: 100m <p>(2)total required area; 199 ha (including new reclaimed land area 120ha)</p> <p>* the above cost is as of May 1991. A yen credit of about 8.9 billion yen(=US\$6.4 million) has been granted by OECF.</p>		

スマラン港整備計画(フェーズII)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Mar.1987 L/A (E/S 545 mil.Yen) Nov.1989 E/S of the Phase II completed</p> <p>Finance: Dec.1987 L/A (2,420 mil.yen) (Domestic currency 726 million yen for emergency fortification of the western breakwater) Sep.1991 L/A Package 1 Phase II (7,530 million yen, excluding handling equipment) Oct.1992 L/A Package 2 Phase II (3,590 million yen)</p> <p>Construction: Oct.1993 Package 1 (Phase II) construction to be started To be completed in Dec.1995. Sep.1994 Package 2 (Phase II) construction to be started To be completed in Feb.1996.</p> <p>(FY 1996 Overseas Survey) 1995~1998 Being implemented (Stage I and II)</p> <p>(FY 1998 Overseas Survey) Additional dredging, civil work, and buildings will be completed by the end of Aug. 1999. All other construction works have been completed.</p> <p>Detail: 1987 Part of the western breakwater (part of the Phase I project) was destroyed by high waves.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 213B/86

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Airport Development Project in Central Java and Jogjakarta	
3. SECTOR	Transportation / Air Transportation & Airport	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Air communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Aug.1985 ~ Nov.1986 15month(s) ~	
8. SITE OR AREA	1) jogjakarta, 2) Surakarta	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P,F/S> 1) Jogjakarta 2) 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</p>		

中部ジャワ・ジョグジャカルタ空港整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1) Surakarta Airport

Subsequent Studies:

1993~mid 1994 D/D (Rp.180mil.)

Finance:

Directorate General of Air Communication, PTAP-I, Private fund

Project Content:

Phase 1-Stage 1: Improvement of runway and apron, and construction of terminal buildings.

Phase 1-Stage 2: Extension of runway and construction of parallel taxiway and apron.

Construction:

(FY 1997 Domestic Survey)

Phase 1 scheduled to be completed by 1995~mid 1997

(FY 1997 Domestic Survey)

Phase 1 (extension of runway and passenger terminal) was completed in the end of 1996.

The Government has decided that Surakarta Airport be a gateway in the Central Java and started improvement works.

(2) Jogjakarta Airport

(FY 1993 Overseas Survey)

Because of the land acquisition problem for Jogjakarta Airport, the development of Surakarta Airport is prioritized.

(FY 1995 Overseas Survey)

Because the construction of Jogjakarta Airport was decided to be impossible, the government of Indonesia determined to develop Solo airport as an international airport. D/D was already carried out by a local investor and also the construction will be financed by a local investor as well.

(FY 1997 Domestic Survey)

Jogja Airport is being rehabilitated to correspond to B737 type. A part of finance was added up to OECF L/A No.IP-411.

Transfer of demand from Jogjakarta Airport to Surakarta Airport is planned, but the implementation of Phase II is not necessary to be urgent because the number of passengers was 270,000 in Jogjakarta and 230,000 in Solo in 1996.

It is necessary that construction of Solo-Jogya Highway which is being suspended at present, to be completed for real development of Jogja Airport.

(FY 1997 Overseas Survey)

Minor rehabilitation works to maintain safe operation financed by OECF together with other airports (Air Safety Facilities Improvement Project IP-411, Nov. 1993) are being implemented.

(3) Related Project (Sumarang Airport)

(FY 1997 Domestic Survey)

Sumarang Airport was selected for the central Java Airports Development Project. At the time of the study, (1984,85) the number of passengers was 290,000 in Jogya, 100,000 in Solo and 350,000 in Sumarang. At present the number of passengers runs into 850,000 in Sumarang increasing by 13% in average of 5 years which is higher than 11% of Jogya.

DGAC is preparing for rehabilitation of the airport but due to the financial constraint, only a new terminal will be constructed for the present. International flight will start by the end of 1997.

DGAC will review the design drawn after this study was conducted, and establish M/P to request a fund to OECF.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 331/86

1. COUNTRY	Indonesia																		
2. NAME OF STUDY	Surabaya-Banjarmasin Submarine Cable Project																		
3. SECTOR	Communications & Broadcasting / Telecommunication																		
4. TYPE OF STUDY	F/S																		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL,PERUMTEL																	
	PRESENT COUNTERPART AGENCY																		
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd. Sanyo Techno Marine, Inc.																		
7. STUDY PERIOD	Dec.1985 ~ Aug.1986 8month(s) ~																		
8. SITE OR AREA	Surabaya and Banjarmasin																		
9. MAJOR PROPOSED PROJECT(S)																			
<p>(1) Optical Fiber Submarine Cable System(280M bit/s) Optical fiber submarine cable(390 km), submersible repeaters, Terminal equipment, power supply equipment</p> <p>(2) Digital Microwave Radio System</p> <p>(3) Power Supply Equipment Engine generator for large capacity, three disel engine generators</p> <p>(4) Buildings and Site Land</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">[Station Buid.]</th> <th style="text-align: center;">[Site Land]</th> <th style="text-align: center;">[Access Road]</th> </tr> </thead> <tbody> <tr> <td>Bumi Anyar</td> <td style="text-align: center;">104sq.m</td> <td style="text-align: center;">1,200sq.m</td> <td style="text-align: center;">not necessary</td> </tr> <tr> <td>Murbulangan</td> <td style="text-align: center;">15sq.m</td> <td style="text-align: center;">300sq.m</td> <td style="text-align: center;">Ground leveling for about 50m is necessary.</td> </tr> <tr> <td>Takisung</td> <td style="text-align: center;">104sq.m</td> <td style="text-align: center;">1200sq.m</td> <td style="text-align: center;">not necessary</td> </tr> </tbody> </table> <p>(5) Ocean Earthing</p> <p>(6) Stacking</p>					[Station Buid.]	[Site Land]	[Access Road]	Bumi Anyar	104sq.m	1,200sq.m	not necessary	Murbulangan	15sq.m	300sq.m	Ground leveling for about 50m is necessary.	Takisung	104sq.m	1200sq.m	not necessary
	[Station Buid.]	[Site Land]	[Access Road]																
Bumi Anyar	104sq.m	1,200sq.m	not necessary																
Murbulangan	15sq.m	300sq.m	Ground leveling for about 50m is necessary.																
Takisung	104sq.m	1200sq.m	not necessary																

スラバヤ - バンジャルマシン海底ケーブル建設計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
Description : (1) Alternative route for Kalimantan-Java (2) Digitalization and expansion of 2nd Java-Bali Route Finance: Jan.1987 L/A (Surabaya-Banjarmasin Optical Fiber Submarine Cable Project 7,946 mil.Yen) D/D undertaken by KDD Construction: Dec.19.1989 Constructuin contract signed May.1990 Construction started Feb.1992 Construction completed Realized project: 1.Basic distribution system 2.Optical fiber cable (389km) 3.Digital ultrasonic wave system (137km)		

STUDY SUMMARY SHEET (M/P)

ASE IDN/A 103/87

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Multiplication and Distribution of Improved Soybean Seed and Seed Potato	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Crop production Bureau, Ministry of Agriculture
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd.	
7. STUDY PERIOD	Jul.1987 ~ Sep.1987 2month(s) ~	
8. SITE OR AREA	Soybean --- East Java Potato --- West Java	
9. MAJOR PROPOSED PROJECT(S)		
<p>To reinforce followings in order to produce seeds for soybeans and potatoes:</p> <ol style="list-style-type: none"> 1) Fostering seed producing farmers; 2) Improving seed processing and storage facilities; 3) Promoting seed distribution; and 4) Strengthening administration system for seed multiplication and distribution <ol style="list-style-type: none"> a) Field for foundation seed/registered seed; b) Seed inspection; and c) Training activities. <p>(Note) Cost1) is for soybeans and Cost 2 for potatoes.</p>		

主要食用作物生產振興計畫

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>1.Potato Subsequent Study: (FY 1997 Overseas Survey) Nov.26.1989~Dec.3 (JICA)</p> <p>Finance: Sep.10.1990 E/N 941 mil.Yen (Pilot project of better seed multiplication and distribution) *Contents Grant Aid for pilot project to establish seed potato multiplication and distribution at Western Java. 1992~1997 Government budget</p> <p>Project implemented: Improvement of the farm for foundation seed potatoes completed. Consulting Firm / PCI (FY 1997 Overseas Survey) Oct.1.1991~Sep.30.1992</p> <p>*Project Type Technical Cooperation: Training Project of Indonesian seed multiplication. (1992.10.1~1997.9.30)</p> <p>Detail: (FY 1997 Overseas Survey) The outputs of the study are being utilized to increase potato production level, from 15 t/ha to 30 t/ha through using high quality seed potato. The project, especially potato production center, will be extended to six provinces (North Sumatra, West Sumatra, Jambi, Central Java, East Java, South Sulawesi).</p> <p>2.Soybean Subsequent Studies: Oct.1993 Preliminary-study mission for multiplication and distribution of high-quality soybean seed (JICA). Jan.1994~ Study mission. Nov.1994~ Basic design study.</p> <p>Finance: Jul.11.1995 E/N 980 mil.Yen (Multiplication and Distribution of High-quality Soybean Seed)</p> <p>*Project-Type Technical Cooperation: "Quality Soybean Seed Multiplication and Training Project". (Jul.1.1996~Jun.30.2001)</p> <p>Detail: The Ministry of Agriculture has been in preparation for the improvement of the production system of soybeans.</p> <p>(FY 1997 Overseas Survey) Use of high quality soybean seed will increase the production of soybean and also to decrease the dependence on importing soybean. This project will be useful to extend in other provinces (Aceh, Lampung, West Nusa Tenggara, South Sulawesi, North Sulawesi)</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 119/87

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Arterial Road System Development Study in Jakarta Metropolitan Area		
3. SECTOR	Transportation / Road		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI)		
7. STUDY PERIOD	Nov.1984 ~ Sep.1987 34month(s) ~		
8. SITE OR AREA	Jakarta metropolitan area		
9. MAJOR PROPOSED PROJECT(S)			
<p>7 types of arterial road development programs were recommended from the viewpoint of future urban formulation and transportation development strategies.</p> <p>1) Medium/Mass Transportation Corridor Development Program: 6 routes (595,560 million) 2) Major Arterial Street Development Program: 7 routes (240,957 million) 3) Arterial Street Development Program in the Newly Urbanized Area 22 routes (18,424 million) 4) Present Traffic Problem Oriented Program: 12 routes (354,454 million) 5) East-West Connection Improvement Program: 2 routes (38,363 million) 6) North-South Axis Strengthening Program: 2 routes (40,685 million) 7) Freeway Development Program: 5 routes (1,665,089 million)</p> <p>Total Cost: 3,253.5 billion Rupiah</p> <p>Note: Investment costs are in 1987 price.</p>			

ジャカルタ首都圏幹線道路網整備計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Subsequent study:

"Urban Arterial Road System Development Project in Jakarta Metropolitan Area (F/S)" (Mar.1993~Jan.1995)

This is F/S on East-West corridor and North-South Corridor. The approval has been given to implement the North-South Project with a BOT scheme as a tollway and LRT Project. Several private companies have been preparing for proposals for the implementation of the East-West Project.

*Refer to "Urban Arterial Road System Development Project in Jakarta Metropolitan Area (1994)" for detail.

Situation:

(FY 1993 Overseas Survey)

- (1) The local government refers the study to prepare the detailed plan.
- (2) Arterial Road proposals were put into the feasibility study level.
- (3) Related agencies have integrated mass transportation system proposals into total proposal.
- (4) IBRD and other government agencies utilized data and development concepts for other transportation project.
- (5) Private sector utilized the study result for its MRT proposals.

(FY 1996 Domestic Survey)

The City of Tangerang has incorporated the JICA-Proposed arterial roads project into its urban planning. MRT, including the subway between Sudirman and Thamrin, has been under consideration.

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 120/87

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Regional Development Project in the Western Part of Java	
3. SECTOR	Tourism / (Tourism in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Development of Tourism, Post and Tele-communication, Directorate General of Tourism
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsubishi Research Institute Inc.	
7. STUDY PERIOD	Jul.1986 ~ Feb.1988 19month(s) ~	
8. SITE OR AREA	Two Kabupatens of Serang and Pandeglang and the Krakatau Islands of Kab.Lampung Selatan	
9. MAJOR PROPOSED PROJECT(S)		
<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> <ul style="list-style-type: none"> - Main facilities: Restoration of the old moats, Museum, Bird sanctuary, Heritage garden, etc. - Construction cost: Rp. 11.5 billion <p>(2) Beach Resort(priority project)</p> <ul style="list-style-type: none"> - Main facilities: Marina, International standard hotels & condominiums, Golf ground, etc. - Development cost: Rp.219 billion (total) (Stage 1: Rp.115 billion/ Stage 2: Rp.104 billion) <p>(3) Tropical Marine Park</p> <ul style="list-style-type: none"> - Main facilities: Aquarium, Dolphin show pool, Maritime museum, etc. <p>(4) Ujung Kulon and Krakatan Islands</p> <ul style="list-style-type: none"> - Main facilities: Guest house, Jetties, Observation towers, Camping grounds, Sea garden, etc. <p>(5) Country park</p> <ul style="list-style-type: none"> - Main facilities: Camping site, Sports fields, Gymnasium, Model farm, etc. <p>(6) Kur Park</p> <ul style="list-style-type: none"> - Main facilities: Hotel & Restaurant, Swimming pool, Open air theater, etc. 		

ジャワ西部地域開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Utilization of the Outputs:

In the original plan of Repelita V prepared by the Department of Tourism, the top priority are given to the present projects. Tourism development in the region is underway.

(1) Tanjung Lesung Beach (FY 1996 Overseas Survey), (FY 1997 Overseas Survey)

Subsequent Studies:

1990~1994 F/S (Private fund)

Consulting Company / David Lages & Partners (USA)

Finance:

Private Investors (PT. Banten West Java and PT. Safiera Amalia)

Construction:

1st Stage Mar.1996~Sep.1997

Scheduled to be completed by 2006. (3rd Stage)

Consulting Company / Local, Menhard Germany

Contractor / Local

PT.Banten West Java:developing an area estimated 1,500 acres; land preparation and development of infrastructure, hotel, cottage, marina village, etc.

PT.Safiera Amalia:developing area estimated 400 acres.

Problem:

Poor accessibility from main road (this problem has been coordinated with the Department of Public Work).

Effect:

Creation of job opportunities, Provision of doctors, schools, etc. for local people.

(2) Old Banten Site (FY 1996 Overseas Survey)

Up to present there is no physical development because there is no investor interested.

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 121/87

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Future Demand of the Inter-Island Traffic	
3. SECTOR	Transportation / Air Transportation & Airport	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Assessment and Application of Technology (BBTP)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Central Consultant, Inc.	
7. STUDY PERIOD	Dec.1986 ~ Mar.1988 15month(s) ~	
8. SITE OR AREA	Whole country of Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>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.</p> <p>According to this detailed demand forecast, realistic new-air routes were extracted and incorporated with the existing air network to forecast the future air passenger traffic. At the same time, the study incorporated the study of airport facilities, air navigational system, telecommunication system as well as fundamental specifications into the analysis of demand forecast of appropriate aircraft(seat number, operational cost, airports to be used and routes distance) were carried out and fed back to the future air traffic demand forecast, taking into account the characteristics of the air routes.</p>		

島嶼間交通需要予測

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Based on the findings of the study, the Directorate General of Air Communication (DGAC) requested to the Japanese Government a M/P study on the rehabilitation of major airports and the study was completed in 1991.

(1) Ujung Pandang Airport Development

Subsequent Study:

DGAC requested OECF for the study.

Review of D/D: French Government Fund.

Construction:

Under implementation (FY 1993 Overseas Survey)

(2) Surabaya Airport Development

Subsequent Study:

Nov.1992 L/A (Surabaya Airport Expansion Project E/S, 519 mil.Yen)

By this loan, engineering services on terminal, guidance approach and flight assistance facility had been conducted.

Finance:

Dec.4.1996 L/A 12,867 mil.yen (FY 1997 Domestic Survey)

*Contents of the project

Construction of new terminal, renovation of facilities.

Construction:Under implementation (FY 1993 Overseas Survey)

(3) Balikpapan Airport Development

Finance:

Dec.27.1985 L/A 17,255 mil.Yen (Balikpapan Airport Construction Project)

Sep.27.1991 L/A 4,354 mil.Yen (Balikpapan Airport Construction project (II))

*Contents of the project

Phase I:Improvement of whole airport

Phase II:Improvement of an aeroplane hangar, a fuel supply facility, etc., which have not been done in Phase I.

Construction:

Under implementation (FY 1993 Overseas Survey)

(4) Other related requests were as follows.

DGAC requested a master plan study on national telecommunication system development.

BBTP and IPTN (an Indonesian airplane manufacturer) are considering to request a study on feeder air routes.

Situation:

(FY1995 Overseas Survey)

The study results were expanded into "Integrated Air Transport Study" in 1993 and were taken into account in formulating "Second Long-term National Development Program".

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 332/87

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Solid Waste Management System Improvement Project in the City of Jakarta	
3. SECTOR	Public Utilities / Urban Sanitation	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Jakarta Municipality, Department of Human Settlements
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. EX Corporation	
7. STUDY PERIOD	Dec.1985 ~ Nov.1987 23month(s) ~	
8. SITE OR AREA	Central District of Jakarta City	
9. MAJOR PROPOSED PROJECT(S)		
<p>1)Collection Improvement (F.cost Rp7.1 bill., L.cost Rp4.8 bill.) The proposed improvement system consolidates the current 7 collection systems into 4 by full mechanization in the collection system. 8 existing depots will be improved and 9 depots will be newly constructed for the depot-container system.</p> <p>2)Street Sweeping Plan (F.cost Rp0.5 bill., L.cost Rp0.1 bill.) Introduction of mechanical sweepers and appropriate distribution of manpower</p> <p>3)Transfer station in Sunter (F:Rp.23.3 bill.,L:Rp.6.8bill) The transfer station (1,730 t/day) is equipped with 6 large compactors, 64 containers (40 cu.m capacity), and 32 tractors. A tractor will carry containers to Bekasi three times a day.</p> <p>4)Final disposal site in Bekasi (F.cost Rp10.7 bill., L.cost Rp8.7 bill.) 34.4 ha of land has been prepared for the final disposal site in Bekasi. The site is divided into two blocks, consisting of east side(A) and west side(B). The total amount of disposal is 5.3 million tons, over 7 years.</p> <p>5)Sub-workshop (F.cost Rp1.4 bill., L.cost Rp1.1 bill.) A sub-workshop primarily for preventive maintenance will be constructed in order to maintain the effective operation of collection vehicles in Jakarta Pusat.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Phase I-A

Subsequent Studies:

Dec.1990 L/A 271 mil.Yen (Jakarta Solid Waste Management System Improvement Project (E/S))

Difference with JICA Proposal:

- 1.Change of the site for a solid waste transfer station.
- 2.In order to minimize the operation cost, the transfer station is to be operated in the two-shift system. The capacity of the station will be as much as that proposed (1,500ton/day), but the number of compactors will be reduced.
3. The site of Bekasi disposal plant was changed to Zone II.

Finance:

Nov.1993 L/A (Solid Waste Treatment Project in the City of Jakarta 3,863 mil.yen)

*Contents:

(FY 1998 Domestic Survey)

- 1) Procurement of materials for collecting system;
- 2) Procurement of materials for the disposal plant;
- 3) Construction of the transfer station and procurement of materials;
- 4) Construction of the workshop and procurement of materials; and
- 5) Construction of the Bekasi disposal plant (zone II) and improvement of zone I.

Construction:

(FY 1997 Domestic Survey)

- Package A. Purchase of garbage car (Oct.1997 completed)
- B. Purchase of machinery for waste disposal plant(Dec.1997 completed)
- C. Construction of relay Station (Oct.1997~Mar.1999)
- D. Construction of workshop (Dec.1997 completed)
- E. Purchase of machinery for workshop (Mar.1997 completed)
- F. Construction of disposal plant Zone II (Jun.1997 completed)
- G. Improvement of disposal plant Zone I (Mar.1997 completed)

Contractor / P-B Mitsubishi shoji

P-C Bangunteputa

P-F local consultant

Additional works:

(FY 1998 Domestic Survey)

Purchase of another car and improvement of zone II and IV will be implemented by Dec. 1999.

(2)Phase I-B

(FY 1996 Domestic Survey)

The land for the final disposal site (Tangerang final disposal site) in the West Jakarta, which was proposed as Phase I-B in the M/P, has been already acquired. D/D has been in progress by a local consultant. The City of Jakarta has an intention to submit a request for the Japanese assistance to construct a transfer station and a final disposal site targetting the West Jakarta when the tender for Phase I-A is completed.

(FY 1998 Domestic Survey)

The local government of Jakarta City planned to acquire the site inside the Tangerang area and construct a disposal plant. However, this plan is suspended due to the economic crisis.

Situation:

(FY 1997 Domestic Survey)

Development of Human Settlements and Jakarta Municipality will request to Japan for technical cooperation of M/P review, because perspective for Phase I-B has been clean .

Remaining projects:

(FY 1998 Domestic Survey)

Project: Construction of the Tangerang disposal plant, development of the transfer stations in the western and southern parts of Jakarta City.

Impeding factors: Financial crisis due to the economic crisis and social instability occurred in 1997. Privatization policy is not clear.

Prospects for the supplement study: Under consideration.

Prospects for funds' procurement: OECF loan is desired.

Others:

(FY 1998 Domestic Survey)

As ten years has passed since the formulation of M/P, the government of Indonesia is considering the review study and expects Japanese government to conduct it. They are planning to construct the disposal plant in Tangerang area and the transfer stations in the western and southern parts of Jakarta City. Therefore, they desire to be provided OECF loan.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 333/87

1. COUNTRY	Indonesia							
2. NAME OF STUDY	Trans-Sumatra Terrestrial Digital Transmission System							
3. SECTOR	Communications & Broadcasting / Telecommunication							
4. TYPE OF STUDY	F/S							
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	POSTEL,PT. TELKOM						
	PRESENT COUNTERPART AGENCY							
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Yachiyo Engineering Co., Ltd. Nippon Sogo Architects and Engineers							
7. STUDY PERIOD	Jan.1987 ~ Mar.1988 14month(s) ~							
8. SITE OR AREA	Jakarta and Padang, Medan and Banda Aceh							
9. MAJOR PROPOSED PROJECT(S)								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black;">Contents</td> <td style="border-bottom: 1px solid black;">Scale</td> </tr> <tr> <td>Digitalization of Switching system</td> <td>2.690 L.U.(1994)</td> </tr> <tr> <td>Digitalization of Transmission system</td> <td>same above</td> </tr> </table> <p>For this Project,it seems to be better to implement the digitalizing of the basic transmission link in Sumatera deviding into the following tasks: *The section connecting Jakarta-Padan-Medan:the service started on 1975.Before the life exhausted, a number of circuits will be lack:required number of circuits upto 1994 was 2,690. All of existing analog circuit lines should be displaced to degital circuits until 1994:required number of circuits will be 5,125 until the year of 1999. *The section connecting Medan and Banda Aceh:the service started on 1982.In the past few years, there were no shortage of circuits.The life of the system seems to be much longer. *To duplicate the routes.</p>			Contents	Scale	Digitalization of Switching system	2.690 L.U.(1994)	Digitalization of Transmission system	same above
Contents	Scale							
Digitalization of Switching system	2.690 L.U.(1994)							
Digitalization of Transmission system	same above							

スマトラ縦断幹線伝送路整備計画

PRESENT STATUS	<p>Completed or In Progress</p> <p>Completed</p> <p>Partially Completed</p> <p>Implementing</p> <p>Processing</p>	<p>Promoting</p> <p>Delayed or Suspended</p> <p>Discontinued or Cancelled</p>
<p>Description :</p> <p>Reasons for realizing the project:</p> <p>(1)Effectiveness (2)High priority</p> <p>Background: (FY 1997 Domestic Survey) As a result of this study, it is analyzed that the central route along with the existing analogue transmission line, is the most feasible route. Based on the recommendation of the study, construction was undertaken with French loan. After that the eastern route which was shown by JICA study, was decided to construct to stabilize transmission by dual routes, corresponding to economic development in Sumatra.</p> <p>(1) Central Route (FY 1998 Overseas Survey) Finance: French Government loan * Contents of the project Digital microwave transmission system in Akarta - Medan section. Construction: completed in July 1993.</p> <p>(2) Eastern Route (FY 1997 Domestic Survey) Finance: ADB loan + TELKON fund 72mil.FF + 13.3bil.Rp *Contents of the project Establishment of system connecting Banda-Aceh ~ Medan ~ Pakan Vally ~ Janbi ~ Palembang : 140Mbit/s Construction: Sep.1995 contract is to be completed by Feb.1999 (FY 1998 Domestic Survey) Contractor / ALCATEL, Marubeni Group Banda-Aceh ~ Medan was completed.</p> <p>Situation of progress: (FY 1998 Domestic Survey) The installation of radio transmission and electric equipment have been completed. The remaining two new towers will be completed within this year.</p>		

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 122/88

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Ujung Pandang Area Highway Development Study		
3. SECTOR	Transportation / Urban Transportation		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Highways, Ministry of Public Works	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Central Consultant, Inc. Chodai Co., Ltd.		
7. STUDY PERIOD	Nov.1987 ~ Mar.1989 16month(s) ~		
8. SITE OR AREA	Ujung Pandang City and its adjacent area, South Sulawesi		
9. MAJOR PROPOSED PROJECT(S)			
<p>The study proposed a master plan for traffic control in Ujung Pandang City and the development of radial roads.</p> <p>1. Short-term Plan (total cost Rp19,261 million) Road Widening (15,850m); Intersection Imprv.(19 locations); Road Rehab.(14 routes); Pedestrian Facilities Imprv.(29 routes); Bus Facilities Imprv.(196 locations); Becak Transport Imprv.(2 routes); and Traffic Regulation Imprv.(4 locations)</p> <p>2. Long-term Plan 1st Stage (up to 1994) (total cost Rp58,395 million) Inner Ring Road Constr.(9.95km); Jl. Gowa Jaya Widening (27km); Jl. Gowa Raya Widening (6.55km); Jl. Toll Road Widening (11.5km); and Industrial Access Road Constr. (3.25km) (Total 58.25km)</p> <p>3. Long-term Plan, 2nd Stage (up to 2009) (total cost Rp171,944 million) Inner Ring Road Constr.(9.95km); Middle Ring Road Constr.(12.95km); Outer Ring Road Constr.(17.1km); Central Radial Road Constr.(8.75km); South Radial Road Constr. (5.71km); Jl. Gowa Jaya Widening (27km); Jl. Gowa Raya Widening (6.55km); and Jl. Toll Road Widening (11.5km) (Total 99.48km)</p>			

ウジュンパンダン都市圏道路網整備計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>Middle Ring Road & Central Radial Road (FY1998 Overseas Survey) Subsequent Studies: 1996-1997 D/D Finance: Own Fund(APBN) Difference JICA's Proposal</p> <p>Road rehabilitation in Ujung Pandang City area was included in the project list for the loan of OECF in 1991. Indonesian Government ranks the project low in priority.</p> <p>(FY1993 Overseas Survey) The priority of the project has been low.</p> <p>(FY 1996 Domestic Survey) JICA has been undertaking M/P on roads over a whole Sulawesi. The implementation of this project will depend on its results.</p> <p>(FY 1997 Domestic Survey) Request for fund has not made yet due to the low priority put to the project.</p> <p>(FY 1998 Domestic Survey) There has not been any progress for implementing this project in Sulawesi island due to its lower priority and depressed economic situation. However, it seems that the request for D/D and construction regarding the proposed road network is under consideration among the concerned agencies.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 123/88

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Maritime Safety Plan Concerning Search and Rescue	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communications, Ministry of Communications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Japan Association for Preventing Marine Accidents	
	Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Oct.1987 ~ Dec.1988 14month(s) ~	
8. SITE OR AREA	The entire sea around Indonesia and major ports	
9. MAJOR PROPOSED PROJECT(S)		
<ul style="list-style-type: none"> - 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) 		

海難搜索救助並びに海難予防体制整備計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

1.Special Rescue Team

Special Rescue teams have been formed at five bases:

- Jakarta
- Tanjung Uban
- Surabaya
- Bitung
- Ambon

The number of personnel has not been enough yet.

2.Command and Control of Maritime Safety system

(operation office system)

The Operation Room have been established at DGSC and 10 KANWIL using the SAR Communication System.

3.Maritime Safety Training Center

(FY 1998 Domestic Survey)

1 Dec.1995 L/A 8,008 mil.yen "Rating Schools Establishment Project"

4.Oil Spill Combating Skill

(FY 1996 Overseas Survey)

The following two trainings were conducted by JICA.

- (1)Sep.-Oct.1994 3 JICA experts dispatched
- (2)Aug.-Sep.1996 3 JICA experts dispatched

5.Procurement of Disaster Prevention Ships

Procurement of two disaster prevention ships to prevent accidents and combat oil spill.

Dec.1995 L/A 5,501 mil.Yen (Rescue Boat Project)

6.Procurement of Maritime Safety Rescue Ship

(FY 1993 Overseas Survey)

ADB is requested for the procurement of 2 CLASS I ships and 5 CLASS III ships.

Detail:

(FY 1993 Overseas Survey)

Search and Rescue program in REPELITA VI (1994-1998) was drafted based on the Maritime Safety plan Concerning Search and Rescue.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 214B/88

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Flood Control Plan of the Upper Citarum Basin	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Rivers(DOR), Directorate General of Water Resources Development (DGWRD)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	May.1987 ~ Dec.1988 19month(s) ~	
8. SITE OR AREA	Bandung (study area of 1,771 sq.km)	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P>1. Outline of the Plan: River improvement by dredging/excavation was proposed for the Citarum River system, from Curug Jompong Fall(downstream end) to the upstream end of the maximum flood area in 1986, including the Cisangkuy, Citarik and Cikeruh rivers.</p> <p>2. Short Term Program(1992~1995)(Rp. 101.7 billion). An urgent project including the river improvements of Citarum River from Curug Jompong to Sapan(center of flood area) and Cisangkuy River with the design flood of 5 years return period, land use regulation and flood forecasting / warning system was proposed.</p> <p>3. Long Term Program(1996~2005),(Rp.150 Billion) River improvement of the all rivers, with the design flood of 20 years return period, from Curug Jompong to upstream end of the flood area was proposed.</p> <p><F/S>-River improvement of the Citarum and Cisangkuy rivers from Curug Jampong to Sapan in order to reduce the flood damage in the area from Dayeuh Kolot to Sapan where properties concentrate.</p> <p>- Flood forecasting/ warning system for the remaining flood risk area.</p> <p>The major project works, according to the detailed design results made in September 1992, are as follows:</p> <p>1) River Improvement Works(Citarum River 30.6km, Cisangkug River 6.9km)</p> <p>- Dredging/excavation : 6,030,000 cu.m - Bank protection : 7.9 km</p> <p>- Bridge : 11 places - Inspection/maintenance road : 71 km</p> <p>- Land acquisition : 169 ha - Compensation : 634 houses</p> <p>2)Telemetering System Works</p> <p>- Six telemetering station at the existing water level gauging stations.</p> <p>- One master station - Monitoring equipment in the exsiting station.</p>		

チタルム川上流域洪水防御計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Dec.1989 L/A 265 mil.Yen (a part of Rehabilitation of Irrigation Schemes and Flood Alleviation Works Project of 21,518 mil.Yen)
 Project Content: E/S for the river improvement of Citarum River (30.6km) and Cisangkuy River (6.9km) and for the flood warning system.
 Jul.1990~Feb.1992 D/D

<Phase I (Package A~D)>

Finance:

Nov.1993 L/A 3,165 mil.Yen
 (Flood Control Project of the Upper Citarum Basin (I))

Project Content: Initially this loan was to conduct construction works of Packages A and B and to undertake D/D for river improvement of three rivers at Upper Sapan. However, because the finalized contract price was less than half of that had been expected, the construction of Packages C and D was incorporated. The targetted section is extended from the initial 10.25km to 19.22km.

Construction:

Jul.1994~Mar.1998 Package A~D completed
 (FY 1998 Domestic Survey)
 Jan. 1998 ~ Package E and G are on-going.
 Only 60 % had been completed by the end of Nov. 1998 since it has been difficult to raise funds due to the unusual weather and financial crisis.

Construction Traders:

Package A,B: PT. Adhikarya
 C,D: PT. Bangun Makue Utama & PT. Taruma Putra Pertiwi
 E,G: Abipraya Brantas

Operation and management:

(FY 1998 Domestic Survey)
 Local government is in charge of operation and management. In case of flood, Satkoplak, a people's organization, is in charge.

<Phase II (Package E~I)>

Finance:

(FY 1998 Domestic Survey)
 28 Jan.1998 L/A 4,722 mil.Yen (Upper Citarum Basin Urgent Flood Control Project (II))
 Contents: Riverbank reinforcement works (Length: 40km) on the Citarum, Citarik, Cikeruh and Cisaranten Rivers.

Construction:

(FY 1998 Domestic Survey)
 April 1998 Started

Background:

(FY 1996 Domestic Survey)
 The request was submitted to implement the construction of a part of Package E and G with the balance of OECF loan.
 The request for an OECF loan is submitted in 1997 to implement Package E~I (46km).

(FY 1993 Overseas Survey)

Jatlubur Authority (Perum Otorita Jatiluhur) is planned to maintain and operate it.

(FY1995 domestic Survey)

With reference to above mentioned matters, it was planned to assign Jatlubur Authority for the administration and maintenance works at that time. However, the organizations concerned has been reorganized and a Governmental office named "Citarum Basin Control Project" has been established for the administration/maintenance of this project.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 310/88

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Batang Kumu Irrigation Project in Riau Province		
3. SECTOR	Agriculture / (Agriculture in) General		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co, Ltd.		
7. STUDY PERIOD	Jun.1985 ~ Mar.1986 9month(s) May.1988 ~ Jan.1989 8month(s)		
8. SITE OR AREA	Tambusai District, Kampar Regency, Riau Province, Sumatra Island		
9. MAJOR PROPOSED PROJECT(S)			
Wet season paddy: 7,300 ha Dry season paddy: 3,100 ha Upland crops in dry season: 2,700 ha The following facilities will be constructed to attain the foregoing target. Head work: W=50m, H=5.5m Flood gate: 14m x 3 nos Head reach: 2.6 km Main canal: 25.6 km Secondary canal: 50.1 km Secondary drainage canal: 56.5 km Tertiary canal: 486 km Tertiary drain: 102 km, Farm road: 146 km			

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1998 Overseas Survey)

Due to change in land utilization to Oil palm , this project was canceled.

Subsequent Studies:

Oct.1995 "Agriculture, Forestry and Fisheries Industries Financial Cooperation Promotion Study" was carried out by the Dept. of International Cooperation Planning of the Ministry of Agriculture, Forestry and Fisheries.

May.1996 OECF Appraisal Mission was dispatched and accordance on D/D, schedule and finance has been made with Indonesian Govt.

Dec.1996 L/A 374 mil.Yen (Batang Kumu Irrigation Project E/S)

*Making aerial map is planned in D/D to correspond to the change of land use.

Finance:

Construction is scheduled to be implemented with Yen Loan after the completion of D/D. (FY 1996 Domestic Survey)

Detail:

(FY 1994 Overseas Survey)

Indonesia started assessment of environment impact study in the project area and requested D/D to the Japanese Government in 1990. The project was rethought later because of an addition of the transmigration plan.

(FY 1997 Domestic Survey)

Directorate General of Water Resources Development, Ministry of Public Works held pre-bid conference at Jakarta in 22th of July, 1997 in regard to consultant service of D/D. On the 26th of same month, Site visit was conducted and it was found that the land utilization had changed drastically because of an illegal operation of plantation company. (plain where is scheduled to be developed as a rice field was burnt and oil palm was planted)

As a result, Directorate General of Water Resources Development, noticed to call off a tender in August. There is no official response from Indonesian side since then.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 334/88

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Kalimantan-Sulawesi Submarine Cable System	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Posts and Telecommunication (POSTEL) Perum, Telekomunikasi Headquarters (PERUMTEL)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd. Sanyo Techno Marine, Inc.	
7. STUDY PERIOD	Aug. 1987 ~ Oct. 1988 14 month(s) ~	
8. SITE OR AREA	Ocean Area between Kalimantan and Sulawesi in regard to the Submarine Cable Construction Project	
9. MAJOR PROPOSED PROJECT(S)		
<p>This transmission system is to connect both toll line exchange stations in Banjarmasin, Kalimantan Is. and Ujung Pandang, Sulawesi Is. And it is planned to apply the backhole microwave sub-system(----) on the ground surface and the optical submarine sub-system(====) at the bottom of the sea. Four(4) transmission routes have been planned as shown below:</p> <ol style="list-style-type: none"> 1. Banjarmasin----Takisung====Lamalaka-----Ujung Pandang 2. Banjarmasin----Takisung====Balang-----Ujung Pandang 3. Banjarmasin----Takisung====Bojo Pare Pare---Ujung Pandang 4. Banjarmasin----Lemaru=====Towaja-----Ujung Pandang 		

カリマンタン - スラウェシ海底ケーブル建設計画(フェーズI及びII)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Situation:

(FY 1997 Domestic Survey)

In JICA's proposal, it was suggested to construct cable only between Banjarmasin - Ujung Pandang, because OECF project was proceeding between Surabaya - Banjarmasin. But the plan was reviewed in correspond with growing demand, Surabaya - Banjarmasin (second route) and Surabaya - Ujung Pandang were added to the plan. Transmission capacity has increased drastically.

Finance:

World Bank 60bil.yen

P.T.TELKOM 5.6bil.Rp

*Contents of the project

Construction of optical submarine cable with a capacity of 5Gbit/s (including an optical relay cable)

- Surabaya - Banjarmasin

- Surabaya - Ujung Pandang

- Banjarman - Ujung Pandang

Construction:

(FY 1998 Overseas Survey)

Sep.1996~Mar.1999

Equipment are being fabricated.

Consultant / TRITEK (local)

Contractor / KDD-SCS, TOMEN

Situation of progress:

(FY 1998 Domestic Survey)

Sub-marine cable is under construction. Construction of backhole has started.

Related Project:

(FY 1997 Domestic Survey)

Submarine cable at Pontianak - Pankalpinang

Finance: World Bank 1.6mil.yen

Construction:

Sep.1996~Dec.1998

Consultant / TRITEK

Contractor / NEC, Sumitomo

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 335/88

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Disaster Prevention Project in the Southeastern Slope of Mt. Galunggung	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Jun.1987 ~ Nov.1988 17month(s) ~	
8. SITE OR AREA	Southeastern slope (550 sq.km) of Mt.Galunggung, Kabupaten Tasikmalaya, West Java Province	
9. MAJOR PROPOSED PROJECT(S)		
<ol style="list-style-type: none"> 1) Maintenance of sand pockets (as expansion of the height of wall for existing 12km long sand pocket) 2) Stabilization of river channels within the sand pockets (to construct for 12km expansion of the existing dike) 3) Construction of 34 Sabo dams in the southern slope 4) Drainage works for the crater lake (to construct new 2m 700m long tunnel) 5) Establishment of the early warning and evacuation system 6) Utilization of accumulated sediment 		

ガルンゲン火山防災計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies

(FY 1993 Overseas Survey)

D/D of drainage tunnel in being conducted by PT Virama Karya and financed by ADBN. But the implementation is suspended due to budget constraint.

Constructions:

(FY 1998 Overseas Survey)

1994 -1998 (Completed)

Constructor / PT. Waskita Karya

Detail

DGWRD is considering the possible application for OECF financing.

(Related Information)

In order to maintain the spare capacity of the sand pockets, the Indonesian government is excavating the accumulated sediment in the sand pocket and transporting these as aggregate construction materials to Jakarta by Indonesia State Railways (PJKA) (as privatization project).

However, in order to not sufficient the capacity of railway transportation, JICA dispatched the short term experts for the technical transfer of the implementation planning of such capacity in August 1991. According to the report of JICA Short Term Experts, PURUMKA is considering the actual plan of the implementing transport capacity.

(FY 1993 Overseas Survey)

Now, sand excavation in Mt. Galungury is significantly increased because of high demand (about 40,000m³/day) and best quality of its sand. Sand are transported mainly by trucks, which quantitatively larger than wagon trains.

Positive responses have been gained from local people because of new family income and safety from disaster.

Since M/P were not conducted, it is recommended that future M/P should accommodate demand of say 25 or 30 years ahead, in conjunction with integrated review basin development.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 336/88

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Implementation of Intra-City Digital Microwave Subscriber System	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Post and Telecommunications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NTT International Corporation	
7. STUDY PERIOD	Mar.1988 ~ Jan.1989 10month(s) ~	
8. SITE OR AREA	Jakarta City	
9. MAJOR PROPOSED PROJECT(S)		
<p>1) To meet the rapidly increasing demand in Jakarta, digital microwave subscriber systems are proposed to be introduced for large/important subscribers.</p> <p>2) Contents of Project - Subject areas: 18 areas in Jakarta - Subject subscribers: approx. 200 subscribers - Subject lines: approx. 15,000 lines.</p> <p>3) Establishment of a new maintenance system.</p>		

都市加入者マイクロ波網整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Reasons for Project Delay or Suspension : (FY 1996 Domestic Survey) Due to the following reasons, the possibility in the revival of this project is considered to be very small. -The World Bank has been promoting the cable expansion project. -In Jakarta-Bandung area, priority has been given to the optic fiber cable system and WILL. -In other districts, the improvement of telecommunication system has been implemented by private companies.</p> <p>Detail: The proposed project has been delayed due to the above-mentioned reasons.</p> <p>(FY1994 Overseas Survey) Plan of providing 106,000 subscribers lines by microwave is being processed by PT. Telkom, but it is not directly related this F/S.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 337/88

1. COUNTRY	Indonesia			
2. NAME OF STUDY	Urgent Bali Beach Conservation Project			
3. SECTOR	Social Infrastructure / River & Erosion Control			
4. TYPE OF STUDY	F/S			
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Rivers, Directorate General of Water Resources Development(DGWRD)		
	PRESENT COUNTERPART AGENCY			
6. CONSULTANT(S)	Nippon Koei Co., Ltd. INA Corporation			
7. STUDY PERIOD	Jan.1988 ~ Mar.1989 14month(s) ~			
8. SITE OR AREA	Three beaches of the southern coast of Bali Island			
9. MAJOR PROPOSED PROJECT(S)				
- Major beach projects are as follows:				
	Kuta	Nusa Dua	Sanur 1	Sanur 2
Beach Reinforcement				
length(km)	2.7	2.35	0.7	4
width(average, m)	50	50	30	30
amount(sq.m)	783,000	229,000	96,000	352,000
groins	4(T-shaped) Extention of		3	4
	1(straight) existin groin			
- Tanah Lot				
Conservation using concrete blocks around the island.				

バリ海岸緊急保全計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: Dec.1990 L/A 279 mil. yen (Urgent Bali Beach Conservation Project E/S) Nov.1991-Dec.1992 F/S review and D/D was undertaken and tender documents prepared</p> <p>Finance: Dec.1996 L/A 9,506 mil.yen (Bali Beach Conservation Project) *Content The Project aims to construct groins against erosion at Kuta, Nusa Dua and Sanur, which has been observed since the 1970s, and to conserve the eroded cliff at Tanah Lot.</p> <p>Construction: (FY 1996 Domestic Survey) Dec.1990 Scheduled to be commenced.</p> <p>Detail: (FY 1993 Overseas Survey) Emergency structural measure were conducted by the priority companies, by constructing groines and rush revetment. But these structures, groines and tetrapods, make sure to eyes. Particularly sanur beach has this tendency. The implementation of the planned projects depended on budget.</p>		

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 104/89

1. COUNTRY	Indonesia					
2. NAME OF STUDY	Negara River Basin Overall Irrigation Development Plan					
3. SECTOR	Agriculture / (Agriculture in) General					
4. TYPE OF STUDY	M/P					
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works				
	PRESENT COUNTERPART AGENCY					
6. CONSULTANT(S)	Nippon Koei Co., Ltd.					
7. STUDY PERIOD	Mar.1988 ~ Jul.1989 16month(s) ~					
8. SITE OR AREA	Negara River Basin, South Kalimantan Province (Study Area 12,683 sq.km)					
9. MAJOR PROPOSED PROJECT(S)						
The following four package projects which are composed of 76 schemes are formulated for the period from Repelita V to Repelita X, ie. 30 years for 1989/90-2018/19 period.						
	Project	Irrigation Scheme	Drainage Scheme	Polder Scheme	Aquaculture Scheme	Total
	1. Negara Pilot Project	1	3	1	0	5
	2. NIDUP	5	18	0	1	24
	3. UNADP	15	8	4	1	28
	4. LNADP	9	9	0	1	19
	Total	30	38	5	3	76
	NIDUP; Negara Irrigation and Drainage Upgrading Project					
	UNADP; Upper Negara Agricultural Development Project					
	LNALP; Lower Negara Agricultural Development Project					
	<p>The first priority is given to the Negara Pilot Project. For the 5 schemes of this Project, feasibility study and construction works will be carried out within Repelita V (1989/90-1993/94). These five schemes will become training fields in which government staff and leader farmers will be trained for the future development activities.</p>					

ネガラ河下流域かんがい開発計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>Subsequent Studies: (FY 1994 Domestic Survey)(FY 1994 Overseas Survey) F/S is requested to the Government of Japan by the Government of Indonesia and the project is listed on the Blue Book of FY 1994. But the circumstance after the implementation of Riam Kanan Irrigation project in South Kalimantan was that of not expected, therefore Japanese side hesitates to approve this project.</p> <p>Detail: Technical Assistance for the Negara Pilot Project will be requested to Japanese Government.</p> <p>(FY 1994 Overseas Survey) Indonesia conducted a study of an agro-profile of the Negara River Basin including the number of farmers, status of farmers organizations, soil conditions, climates, etc.</p> <p>(FY 1995 Domestic Survey) Indonesian Government has urgently commenced the development project for paddy field estate with an area of 1.2 million ha. in Kalimantan with participation of private capital investment on 1995. As for the objective area of this project, an area of 1 million ha. at the basin of Barito River of central Kalimantan has been selected. Therefore, the adjustment with the Negara Pilot Project becomes necessary.</p> <p>(FY 1996 Domestic Survey)(FY 1997 Domestic Survey) Although the counterpart has an intention to request the Japanese Government for the assistance to implement the Negara Pilot Project, because priority given to this project is not high, the project has not been included in the request list of BAPPENAS.</p> <p>(FY 1999 Overseas Survey) No information.</p> <p>(FY 2000 Domestic Survey) There is no information that the Indonesian government submitted the request concerning to the proposed projects to the Japanese government, however it is not in a situation that the proposed projects were cancelled.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 105/89

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Improvement of Rice Post Harvest and Marketing in Farmer Groups		
3. SECTOR	Agriculture / Agricultural Processing		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Food Crops Agriculture, Ministry of Agriculture(DGFCA)	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Nippon Koei Co., Ltd.		
7. STUDY PERIOD	Nov.1988 ~ Oct.1989 11month(s) ~		
8. SITE OR AREA	Java Barat, Java Timur, Lampung and Sulawesi Selatan Provinces		
9. MAJOR PROPOSED PROJECT(S)			
Pilot Plans			
Pilot Area Telagasari Bagor Mattiro Bulu Trimurjo			
1.Location Cadas Selorejo Marannu Purwodadi			
Kertajaya			
2.Paddy field(ha) 119 109 105 157			
3.Nos.of Farmer 172 363 87 254			
4.Cropping Intensity			
Wet season 100% 90% 100% 100%			
Dry season 100% 80% 70% 100%			

収穫後処理及び流通改善計画

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>(FY 1993 Overseas Survey) The Government thinks investment cost in Farm Roads and Drainage Canals too expensive. The Government requested foreign aid for the project after this study, but it was not accepted. The study should be modified suitable with the present situation.</p> <p>(FY 1994 Domestic Survey) Waiting for the official request from the Indonesian Government after suitable modification.</p> <p>(FY 1994 Overseas Survey) Indonesian Side wants to implement this project.</p> <p>(FY 1996 Domestic Survey) The Ministry of Agriculture, BGFCH, is in preparation for a request for fund procurement. Although it plans to submit it next year, it is still under consideration to which a request is submitted.</p> <p>(FY 1997 Overseas Survey) The recommendations have been incorporated into the Fifth Five-Year Plan(1989~1993). Service centers development, procurement of machineries and training have been implemented.</p> <p>(FY 1998 Domestic Survey) Focus has been put on the irrigation development, in response to the water shortage in recent years. Therefore, it seems to take time to implement this project.</p> <p>(FY 1999 Overseas Survey) There are no subsequent study and procurement of fund provided to this project.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 125/89

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Integrated Regional Development Plan for the Northern Part of Sumatra	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Human Settlements, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ) Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Mar.1988 ~ Mar.1990 24month(s) ~	
8. SITE OR AREA	Four provinces of northern Sumatra(Aceh, North Sumatra, West Sumatra and Riau)	
9. MAJOR PROPOSED PROJECT(S)		
<p>To facilitate the region's development, the study team formulated regional socio-economic framework along with its spatial framework and chose on some selected areas. Eleven such priority areas are identified from among 24 subregions through a potential evaluation and strategic considerations. A multisector program is then formulated for each of the 11 priority areas and termed the Integrated Development Program (IDEP). Many other sectoral projects which do not make up an IDEP but is needed from the regional standpoint are also identified and outlined.</p> <p>In total: 11 IDEPs On average, Each covers 10,000 sq.Km and one million population, Consists of 30 to 40 sectoral projects. 430 Sectoral Projects (291 IDEP components)</p>		

北部スマトラ地域総合開発計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Finance

(FY 1997 Domestic Survey)

A part from national budget and provincial budget, JICA/OECF, World Bank, ADB are main financial sources. There are funds from other countries and international organizations as follows.

Belgium High land vegetable production Project (Aceh)
Germany/Belgium High Tension wire Project (Aceh, North Sumatra)

Korea Medang Carbon Thermal Power Generation Project
(North Sumatra)

Germany Medang gas Thermal Power Generation Project
(North Sumatra)

France Medang-Padang Digital Microwave Project
(North/West Sumatra)

IFAD Animal Husbandry Promotion (Riau)

Detail

BAPPENAS has shown strong interest in the Study by requesting for speeding up the term's priority project identification by seven months so as to utilize the results in Repelita V (5-year Development Plan) and appreciated the Study's integrated approach to development. Three IDEPs (Riau Islands, Indragiri Basin, and Mentawai Islands) were subsequently listed in the 1991/92 Blue Book for consideration by donors. The Study results have been extensively utilized as a regional planning model particularly with regard to the drafting of the Spatial Planning Act of 1992 and the subsequent formulation of Provincial Spatial Structure Plans (RSTRP).

(FY1993 Overseas Survey)

1. After the completion of the Study, the report was translated into Indonesian and distributed to the related Ministries of the central government and provincial BAPPEDAs.
2. A JICA long-term expert in urban development planning has been assigned to the Urban and Regional Planning Dept. partly to monitor the progress of IDEPs. The questionnaire survey was started in 1992 and finished in July 1994. According to the report, there were some advance in approx. 70% of the whole projects.
3. The regional development frame proposed for the Northern Sumatra Region as a whole is being utilized by BAPPENAS, especially by the bureaus in charge of 15-year Provincial Spatial Design Structure Plan (RSTRP), and North Sumatra Province explicitly utilized the regional spatial frame proposed by the Study.
4. Several priority development areas designated in the RSTRP coincide with the IDEP areas as follows.
Aceh: Northern Aceh and Western Coast
North Sumatra: Medan Metropolitan Area and Tapanuli
Riau: Indragiri River Basin and Riau Islands
West Sumatra: Minang Highlands and Mentawai Islands
5. The part of the returned answers to the questionnaire for eleven IDEPs are as follows:
Riau/Rokan IDEP (27 projects proposed):5 implementing, 5 planning, 1 discontinued, the remainder unanswered
Riau/Indragiri IDEP (47 projects):2 implemented/implementing, 7 implementing, 3 implementing/planning, 7 planning, the remainder unanswered
Riau/Riau Islands IDEP (26 projects): 13 implementing, 6 planning, 3 discontinued, the remainder unanswered
W.Sumatra/Minang Highlands IDEP (46 projects) : 5 implemented, 8 implementing, 3 planning, 1 discontinued, the remainder unanswered
W.Sumatra/Mentawai Islands IDEP (16 projects) : 2 implementing, 1 planning, 5 discontinued, the remainder unanswered
W.Sumatra/S.Sijunjung IDEP (22 projects):5 implementing, the remainder unanswered

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 215B/89

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Kemayoran Urban Housing Development Project	
3. SECTOR	Social Infrastructure / Urban Planning & Land Development	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Human Settlements Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. JCP Co., Ltd.	
7. STUDY PERIOD	Jul.1988 ~ Mar.1990 20month(s) ~	
8. SITE OR AREA	Within ex-airport project site: 133 hectare Outside ex-airport project site: 4 site 19 hectare	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P></p> <p>(1)Development Plan within ex-airport area (a) for low income group (b) for general use (totalled to 14,500 units) (c) for urban amenities and infrastructure arrangement (2) Housing renewal plan in neighborhood area of ex-airport (3) Development of methodology of urban renewal</p> <p>The M/P assumes that the housing development be implemented with the available local funds and that the accruing benefits of the development (including the income of land sales) favorably stimulate housing improvement efforts in the neighboring areas.</p> <p><F/S></p> <p>Housing renewal on total 3.5 ha. of Case Study Sites D located in the vicinity of the ex-airport including 635 houses for low income group.</p>		

ケマヨラン地区都市・住宅再開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

The development/redevelopment of the ex-airport site was partially commenced from 1989 with the own budget. Housing development on 120ha will be implemented by Perumnas (Indonesian Housing Corporation).

(FY 1993 Overseas Survey)

In response to the request by Indonesian Government, OECF dispatched as appraisal mission on the project, which was expected to be the first loan in the housing sector. However, insufficient preparation of the Directorate General lowered its priority.

The land price at the site, a former airport, is skyrocketing now. The Government held an exposition at a different site. There is still a slight chance to apply for OECF loan. However, the private sector will develop the site, comprising mainly upper-class residences and low cost housings, by itself.

(FY 1996 Domestic Survey)

The counterpart agency (Directorate General of Human Settlements, Ministry of Public Works) was resolved due to the structural change. However, the Kemayoran Development Corporation has been engaged in the development of the ex-airport site and has been steadily implementing the development of some profitable areas as mentioned above. Moreover, the redevelopment of the area surrounding the ex-airport site has been under the Minister who is in charge of housing.

(FY 1997 Domestic Survey)

Request for OECF loan has not been submitted. Proposed projects have not been implemented neither. Indonesian government requested for "Study for establishment of urban development method".

(FY 2000 Domestic Survey)

In 1990, the PURMNAS had started the project to supply housings for the 5,000 low income families and already supplied the housings for 1,472 families till 1992. Additionally, in 1997, PURMNAS supplied the collective housings for 439 families, after then, the currency crisis and the political instability stopped the project. The project to construct the 2,200 housings in the 28 high-rise apartment buildings in the ex-airport site (24ha/46.5ha) was planned by private enterprise and aimed at to complete the construction by Apr. 1998. The half of the housings had already been sold at the end of 1997 and the construction has partially completed, however the project has also stopped because of the currency crisis.

Study for the establishment of urban development method

(FY 2000 Domestic Survey)(refer to IDN/S 202/99)

Period: Jan. 1998- Jan.2000

Purpose:

- 1) To develop the urban development method for the Jakarta Metropolitan area to control the sprawl phenomena
- 2) To conduct the case study based on the developed method
- 3) To propose the improvement and promotion measures for the land consolidation system and KASIBA system

* KASIBA: New urban and residential development approach

Results of the Survey:

KASIBA system: Proposal for the small scale pilot project to develop the low or middle level housings in the 300ha development area in Parung Panjang Area

Land Consolidation system: To formulate and conduct the pilot project based on the result of the consolidation of the 25.7ha in Jatiasih area.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 216B/89

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Integrated Radio and Television Servicing System Project	
3. SECTOR	Communications & Broadcasting / Broadcasting	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	RTF, Ministry of Information
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NHK Integrated Technology Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Apr.1989 ~ Mar.1990 11month(s) ~	
8. SITE OR AREA	Throughout Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P>The following projects will be suggested by the year of 1999.</p> <ol style="list-style-type: none"> (1) Rehabilitation of 8 High Radio Stations (2) Rehabilitation of 5 TV transmitting stations (3) Establishment of a Maintenance System (7 maintenance bases) (4) Improvement of Engineering Communication Network (48 radio stations, 100 TV stations) (5) Introduction of TV Up-Links (2 TV stations) (6) Improvement of Programme Transmission Lines (48 radio stations) (7) Additional Construction of MW facilities at SW-Only stations (10 stations) (8) Rehabilitation of studies at Regional Radio Stations (22 stations) (9) Improvement of RN-I Network (10 stations) (10)Improvement of TVN-I Network (50 stations) <p><F/S></p> <ol style="list-style-type: none"> (1) Rehabilitation of 8 High Radio Stations (2) Rehabilitation of 5 TV transmitting stations (3) Establishment of a Maintenance System (Maintenance Center) (4) Improvement of Radio Programme Transmission Line, Engineering Communication Network and Introduction of TV Up-Links (5) Additional Construction of MW Facilities at SW-only stations (5 stations) (6) Rehabilitation of studies at Regional Radio Stations (4 stations) 		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

High priority has been given to the role of broadcasting to achieve the target of the National Development Plan.

(FY 2000 Domestic Survey)

Most proposed projects in this Study have been completed due to the Yen Loan , and the assistance by U.K. and Austria.

Finance:

Dec.1990 L/A 7,478 mil.Yen

(Rehabilitation of Radio and Television Network I)*

Nov.1993 L/A 708 mil.Yen

(Rehabilitation of Radio and Television Network E/S)

1995 L/A 5,318 mil.Yen

(Rehabilitation of Radio and Television Network III)

***Components of OECF Loan**

The facility renovation and rehabilitation of radio broadcasting station:10 stations

The facility renovation of radio broadcasting studio:10 stations

The facility renovation of TV broadcasting studio:3 stations

The establishment of maintenance center:3 centers

Construction:

Phase 1-Nov.1991 Consultant contracted

Jan.1993 Contract for supplement of equipment and materials

Sep.1994 Supplement of equipment and materials

Sep.1995 Advisory service completed

Phase 2-Dec.1993 Consultant contracted

Jan.1995 Contract for supplement of equipment and materials for the part of directly nominated.

Mar 1995 Contract for supplement of equipment and materials for the part of international bidding.

Nov.1996 completed

Phase 3-Dec.1999 started

Aug.2000 to be completed (FY 1999 Overseas Survey)

Progress in construction:

(FY 2000 Domestic Survey)

(1) Radio

12 of the 13 planned radio broadcasting stations have been constructed and began to transfer on middle wave. The construction for the remained one station, Lhokseumawe station became impossible because of the lack of the security and the Indonesian government considers to construct the Ende station instead of the Lhokseumawe station.

(2) TV

4 TV studios in Jakarta of 5 planned studios have been constructed and used for planning the TV programs. The remained one, Ambon station has been changed to the Madona station because of the security.

Impacts:

(FY 2000 Domestic Survey)

It is said that the TV reception area covers the 84% of the population and at least more than 100million people obtain the benefit. As for the radio broadcasting service, it is expected to increase more than 10% of the listener.

Situation:

In addition, four projects in the Repelita V financed by UK and Austria are now under implementation.

Nov.1990 UK L/A 9.0mPds.(Improvement of Radio SW-Transmitter for Radio National Service: Cimanggis, Bontosunggu stations)

Jan.1995 Completed

Dec.1990 Austria L/A 241mATS (Improvement of Radio Broadcasting Facilities for 9 RRI Regional Stations: production and operation radio programs and production of music, construction for the editing studios, STL and OB-Vans)

Mar 1998 Construction is to be completed

Jan. 1992 Austria L/A 450 ATS (Improvement and extension of Regional Broadcast Center in 16 Locations: radio production studios, MCR, operation, editing studios, STL and OB-Vans)

Mar. 1998 Construction is to be completed.

Sep.1992 Austria L/A 310mATS (Improvement of Radio Stations of the Broadcasting Station in Jakarta and 23 Regional Broadcast Centers and OB-Vans:)

Dec.1997 Completed

*Refer to "Five-Year Plan for the Integrated Development of Radio and Television Broadcasting" (S 208B/84) .

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 217/89

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Long-Term and Medium-Term Plan for Telecommunications Network in Jabotabek Area	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Postal, Perumtel
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Jul.1988 ~ Jul.1989 12month(s) ~	
8. SITE OR AREA	JABOTABEK Area	
9. MAJOR PROPOSED PROJECT(S)		
<p>Long-Term Plan</p> <p>The study selected the expansion of junction network for the expanded Jakarta multi-exchange area as the priority project to be implemented from the beginning of Repelita V.</p> <p>Components of the priority project:</p> <ul style="list-style-type: none"> -Junction Section (17sections including 2 sections for suburbs) -Optical Fibre Cable Transmission System : 15 sections (127.4km) -Radio Transmission System : 2 sections (19km BEK-CL; 14km TAN-CKP) <p>The target planning year for the sub-systems:</p> <ul style="list-style-type: none"> Muldex..... 1994 Optical fibre...1999 Radio.....1994 Power.....1999 <p>Imp. Period : 1) shows for the original plan, and 2) shows for the revised plan</p>		

ジャカルタ首都圏電気通信網整備計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Finance: Sep.1991 L/A 3,556 mil.Yen "The Junction Network for Expanded Jakarta Multi-Exchange Area" Implementation by Yen loan (1,100 mil.Yen) (Content:1,419 mil.Yen for Jabotabek area, 596 mil.Yen for CSV and 328 mil.Yen for C/S)</p> <p>Construction: Feb.1992 Consulting Service contract was concluded Nov.1992-Mar.1993 Tenders evaluation and negotiation carried out. Nov.1993 Construction to be started Sep.1996 Completed (Tomen, Fujitsu)</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 311/89

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Industrial Plantation Forest Development Plan in South Sumatra Area	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Forestry
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Forest Technical Association	
7. STUDY PERIOD	Nov.1988 ~ Mar.1990 16month(s) ~	
8. SITE OR AREA	Benakat Area in South Sumatra Province	
9. MAJOR PROPOSED PROJECT(S)	<p>Study Area : Approximately 50,000 ha Operation site : Approximately 43,000 ha Planting site : Approximately 27,000 ha Planting species : A.mangium and other 2 species (Short rotation : 8 years), P.canescens and other 2 species (Long rotation : 20 years, 35 years) Nurseries and offices : 3 places, 9.5ha Forest road : Approximately 560 km in length</p>	

産業造林計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>According to the Fifth 5 year Development Plan (Repelita 1989/90-1993/94), the enlargement of re-forestation and the increase of timber production have been proposed in the forestry sector. 4.4 million ha of industrial plantations are planned during 15 years.</p> <p>Finance (FY 1997 Domestic Survey) Joint enterprise between a state-owned company and a private company</p> <p>Construction / Implementation 1990~1997 Implementing Company / P.T.Musi Hutan Persad (joint enterprise between a state-owned company and a private company)</p> <p>* Contents of Project To supply raw materials for pulp and paper industry, the area of 19,800ha was reforested in 7 years. Tree felling will be started in 1997 and reforestation in a cutover area will be started in 1998.</p> <p>(FY 1995 Domestic Survey) Afforestation works are continuing.</p> <p>Effects: (FY 1999 Overseas Survey) 1. Creating job opportunities. 2. Improvement of environmental condition of forest resource.</p> <p>Detail (FY 1994 Overseas Survey) The area planned in F/S expanded from 50,000ha to 300,000ha included wood for general construction use in the F/S.</p> <p>(FY 1997 Domestic Survey) Indonesian side expects for technical cooperation on standardization of sustainable forest management.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 338/89

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Cikampek-Cirebon Tollway Project	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Bina Marga Jisa Marga
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) Yachiyo Engineering Co., Ltd. Pasco International Inc.	
7. STUDY PERIOD	Sep.1988 ~ Mar.1990 18month(s) ~	
8. SITE OR AREA	Route area between Cikampek-Cirebon and surrounding area	
9. MAJOR PROPOSED PROJECT(S)		
<p>The tollway has planned as a 4-lane divided highway covering the whole length. Between Cikampek and Cirebon and widened to a 6-lane at inner lanes at the final stage.</p> <p>The construction is to be divided into nine(9) sections taking into consideration operation for hauling, excavation and filling, accessibility to each section, and proper work volume.</p> <p>Package A: Cikampek interchange(I.C.)- Subang I.C. L=36.9km (Section 1~2)</p> <p>Package B: Subang I.C. - Dawuan I.C. L=53.5km (Section3-5)</p> <p>Package C: Dawuan I.C. - East Cirebon L=53.9km (Section 6-9)</p> <p>Construction cost (x 1,000US\$)</p> <p>1) Initial 4 lanes 435,000</p> <p>2) Additional 2 lanes 75,000</p> <p>Total 510,000</p>		

チカンペック・チレボン有料高速道路建設計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>The Project is divided into four sections, all of which are devided to be implemented with a BOT scheme.</p> <p>(1)Cirebon-Palimanan Subsequent Studies: 1993 D/D (Indonesia Highway Corporation)</p> <p>Finance: BOT (Investor:PT.Istakakarya (Persero))</p> <p>Construction: Being implemented (scheduled to be completed in 1998)</p> <p>(2)Sedang-Palimanan Subsequent Studies: Jun.1995 D/D commenced (IBRD) Implemented with another project (Toll Road Project)</p> <p>Difference from JICA proposal: -Changing the starting point from Cikampek to Sedang -divided into three sections, Sedang-Subang, Subang-Dawvan, Dawvan-Palimanan (However, the construction is to be undertaken at a time)</p> <p>Finance:BOT Investor Sadang-Subang : Concord Benefit Ent. Subang-Dawuan : Trafalgar House Dawuan-Palimanan : Van Der Host Ltd</p> <p>Construction: (FY 1996 Domestic Survey) Because D/D has not been completed, the construction has not commenced.</p> <p>Others: (FY 1999 Overseas Survey) National road assessment review will be undertaken by the government of Indonesia in 2000.</p>		

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 126/90

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Airport Maintenance and Rehabilitation		
3. SECTOR	Transportation / Air Transportation & Airport		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Air Communications (DGAC)	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI)		
7. STUDY PERIOD	Jan.1990 ~ Mar.1991 14month(s) ~		
8. SITE OR AREA	Selected 10 Airports		
9. MAJOR PROPOSED PROJECT(S)			
<p>Project of maintenance and rehabilitation in 10 airports.</p> <p>1.Gunung Sitoli: Overlay of runway, taxiway, apron, installation of air conditioning, provision of mower and tractor; 2.Palembang: Overlay of runway, finishing of PAX Bldg., provision of handy mower; 3.Semarang: Expansion of PAX Bldg., provision of mower, tractor, handy mower and sweeper; 4.Pontianak: Extension of runway and PAX Bldg., taxiway overlay, installation of air conditioning, provision of handy mower and sweeper. 5. Sampit: Overlay of runway, installation of air conditioning, provision of mower, tractor, handy mower and dump track; 6.Ambon: Overlay of runway, taxiway and apron, installation of air conditioning, provision of mower, tractor and handy mower; 7. Ternate: Expansion of PAX Bldg. runway extension, installation of security equipment and air conditioning provision of mower and handy mower; 8.Mataram: Overlay of apron, installation of security equipment and air conditioning, expansion of runway and apron provision of sweeper; 9.Bima: Extension of runway, provision of dyke, overlay of taxiway and apron, installation of security equipment and air conditioning, provision of mower, tractor and handy mower; 10. Merauke: Overlay of runway, overlay of taxiway and apron, expansion of apron and PAX Bldg., installation of provision of mower, handy mower, sweeper and dump truck.</p>			

地方空港整備計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

As one of the basic policies of the Government of Indonesia, effective utilization of existing facilities and improvement on maintenance work are considered important. M/P was formulated for 10 airports in this Study. However, no step was taken by Indonesia to implement the proposed plan. Instead, this M/P was adopted as a rehabilitation plan of major airports.

1. "Airport Safety Facilities Improvement Project"

Finance:

Nov.4.1993 L/A 6,785 mil.Yen

*Components:

Category A.Rehabilitation works of Palembang and Gorontalo Airports

B.Procurement of Airport Maintenance Equipment(100 Airports)

C.Airport Rehabilitation, Information System, Purchase of Security Equipment, Nav aids Rehabilitation(36 Airports)

D.Engineering Services, Assistance to Tendering, Construction Supervision

Construction:

(FY 1997 Domestic Survey)(FY 1997 Overseas Survey)(FY 1999 Overseas Survey)

End of 1996 C completed

Jul.21 1998 A contracted

Sep.14 1998 B contracted

Mar.14 1998 D contracted

Effect:

The modernization of airport safety facilities has improved the reliability and service of airport.

2. "Palembang Airport Development Project (I)"

(FY 1998 Domestic Survey)

28 Jan. 1998 L/A 8,826 mil. Yen

*Components: Extension and improvement of the runways; and construction of necessary facilities at the airport, such as passenger terminal and a cargo terminal.

Effect:

The project aims to cope with the growing number of flights and to ensure the safety of airport operations.

Backgrounds:

(FY 1996 Overseas Survey)

There are 533 airports in Indonesia, of which 146 airports are in regular civil aviation services. Although the improvement of airports has been in progress as mentioned above, still many airports need to rehabilitate and procure air safety and security equipment in the current sixth five years development program.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/A 201B/90

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Master Plan Study on Lower Asahan River Basin Development	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works (DGWRD)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. NIKKEN Consultants, Inc. Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Jun.1989 ~ Jun.1990 12month(s) ~	
8. SITE OR AREA	<M/P> Kabupaten Asahan in North Sumatra Province <F/S> Silau-Bunut Area in Kabupaten Asahan, North Sumatra Province	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P> Among study area of 6,000 km², the following ten projects are formulated:</p> <ul style="list-style-type: none"> (i) Silau-Bunut rehabilitation irrigation project (14,300ha) (ii) Padang Mahondang irrigation extension project (6,200ha) (iii) Kanopan left bank drainage improvement project (4,300ha) (iv) Small-scale irrigation package project (7,200ha) (v) Aek Natas irrigation project (4,200ha) (vi) Aek Naetek irrigation project (3,500ha) (vii) Kualuh right bank irrigation project (2,400ha) (viii) Tambun Tulang swamp development project (5,800ha) (ix) Simpang Empat swamp development project (2,800ha) (x) Leldong-Asahan swamp development project (45,600ha) <p><F/S></p> <ol style="list-style-type: none"> 1. Construction of an inter-basin water transfer canal from the Silau to the Bunun 2. Construction of an integrated diversion weir on the Silau 3. Rehabilitation of 3 existing weirs on the Silau 4. 60km rehabilitation and 110km construction of irrigation canal 5. Rehabilitation/New construction of drainage canal of 180km 6. Construction of farm road network (about 350km) 7. Construction of on-farm facilities(about 9,500ha) 8. Construction of flood protection dike (34km) 		

アサハン河下流域開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

According to interviews the Indonesian government requested D/D and construction of irrigation facilities in Silan-Bunut district to Japan and later to the World Bank in 1994. This project is not listed on the Blue Book this year.

(FY1995 Domestic Survey)

By the request form DGWRD of the Indonesian Government, the World Bank has reviewed the projects which completed the implementation of the JICA's development survey, however, the World Bank did not show any interest for these projects including this case.

Besides, as the Asian Development Bank is carrying on "On Farm Development" at a part of the objective area of this project by IISP, it becomes necessary to change/rearrange the original plan.

(FY 1997 Overseas Survey)

DGWRD plans to request SAPROF to OECF.

(FY 1998 Domestic Survey)

This project is to be implemented after the implementation of the flood control project proposed in JICA Development Study "Lower Asahan River Basin Development". Therefore this project has been suspended although the state government strongly desires to implement this project separately. In deal with the water shortage in recent years, the state government is requesting the central government to implement this project prior to the flood control project. They also desire the implementation of SAPROF by OECF.

(FY 1999 Domestic Survey)

Request for SAPROF by OECF has not been submitted to Japan at this moment.

(FY 1999 Overseas Survey)

No information.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 217B/90

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area	
3. SECTOR	Transportation / Railway	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	PHBD, Indonesia
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Railway Technical Service (JARTS) Pacific Consultants International (PCI)	
7. STUDY PERIOD	Nov.1988 ~ Aug.1990 21month(s) ~	
8. SITE OR AREA	JABOTABEK Area	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P> Considering the long-term development of the JABOTABEK area, it is necessary to establish an integrated transportation system based on individual improvement plans in the urban railway and road sectors. In this regard, the following recommendations were made toward the organic harmony of the railway and road plans. (1) Select an optimum pattern taking into consideration the reinforcement plans of the railway and roads. (2) Propose a master plan for reinforcement that should be done by the railway side based on the above optimum pattern. (3) Based on (2), projects to be urgently implemented were selected.</p> <p><F/S>deals with the following urgent projects. (1) Improvement of feeder services and facilities of the three stations. (Pasar Senen, Jatinegara, Kemayoram) - Separate pedestrians and motor vehicles on roads near station. - Expand roads leading to stations; Establish signals and overpasses. - Set up bus bays in station plazas. An improvement plan was drawn up for the three most important stations selected from 63 stations. (2) Station facilities improvement - station building, platform, overbridge, platform shed Station facilities to be improved are closely related to feeder services, therefore it is effective to make the improvements of station facilities simultaneously with the improvements in feeder services. (3)Grade separation of the Easter Line - track elevation, flyover system</p>		

ジャボタバック圏統合輸送システム改良計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Reasons for realizing the project:

(1) Size of project effect ; (2) Recognition by the Indonesian side of the importance of railway reinforcement ; (3) Large cooperation by the Japanese side (Funds, technical cooperation services)
(4) Recommendation from the other sides.

(1) Station Facilities Improvement

Subsequent Studies:

Apr.-Dec.1993 D/D

Consulting Firm/PCI,JTC,JEC, Local firms

Study Cost/937 mil.Yen + 3,825 mil.Rp

Finance:

Government budget

Sep.25.1991 L/A 7,400 mil.Yen

(Jabotabek area Modernization Project (8))

*Components

1) Improvement of track and platform at stations such as Manggarai, Pasarsenen, Tanahabang, Jatinegara

2) Training equipment

3) Project management service 3

4) Consulting service on 1) above

Construction:

Apr.1995~Feb.1997

(Rehabilitation of 4 stations above mentioned and tracks improvement)

Consulting Firm/PCI, JTC, JEC, PT.IEC and others

Contractor/TEKKEN, WIKA, UAS J.O

(FY 1996 Overseas Survey)

Two stations will be completed as planned. But the remaining two stations are delayed on the progress due to delay of hand-over of the project site from the previous contractor.

(FY 1997 Overseas Survey)

Tanahabang Station and Pasarsenen Station have been improved. The remaining stations will be completed in February 1998.

(2) Grade Separation of the Eastern Line

(FY 1994 Domestic Survey)

As for the way how to materialize this project, it is necessary to continue further studies considering train operation route for long distance train in the Jabotabek area and traffic congestion along the Eastern Line.

(FY 1996 Overseas Survey)

Financial problem hinders the project implementation.

(FY 1997 Overseas Survey)

Track elevation of Eastern Line is under requesting to OECF for financing of D/D.

(FY 1999 Overseas Survey)

Jan.-Aug.1998 Engineering Consulting Firms Association(ECFA) conducted a survey and alternative plans were drawn up.

Alt.1 Kampungbandan-Pondokjati(10km)

Alt.2 Jl. Gunung Sahari-Jl. Pramuka(7km)

Alt.3 Jl. Gunung Sahari-Jl. Tanahtinggi(5km)

(3) Improvement of feeder services

Implementation of feeder service improvement recommended in the F/S is required for closed consultation with the other governmental institutions.

(4) Subway Line

(FY 1996 Overseas Survey)

The plan to construct the subway line between Kota and Block M, which is a part of the new transportation lines connecting Jakarta Kota and Pasar Minggu recommended by this Study, is to be implemented by private companies from Indonesia, Japan and Europe.

Subsequent Studies:Dec.1996 B/D completed

Finance:BOT

Construction:Apr.1997 Scheduled to be commenced

(Operation planned to be commenced in Aug.2001)

(5) Depok Depot Construction Project

(FY 1998 Domestic Survey)

Finance:

28 Jan. 1998 L/A 9,223 mil. yen

*Contents: The loan will be used for construction works for a new depot in Depok near Jakarta.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 218B/90

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General Posts and Telecommunications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Sep.1988 ~ Dec.1990 27month(s) ~	
8. SITE OR AREA	Surabaya and its surrounding area (GERBANGKERTOSUSILA) and Jombang	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P> Long-term plan (2004) :</p> <ul style="list-style-type: none"> - Surabaya Multi-Exchange Area <ul style="list-style-type: none"> 1)Expansion of Surabaya multi-exchange area 2)Provision of Telephone Exchange capacity up to 408000 line unit (Telephone Density: 8.0/100) 3)Establishment of Route Diversity Configuration for Junction Network - Surrounding Area <ul style="list-style-type: none"> 1)Improvement of Telephone Density in Kabupaten capitals up to 8.0/100 inhabitants 2)Provision of Automatic Telephone Service to all villages (DESA). <p><F/S></p> <ol style="list-style-type: none"> 1. Expansion of Junction Network in Surabaya Multi-exchange Area <ol style="list-style-type: none"> 1) Fiber-optic transmission system : 13 new sections, expansion of 13 existing sections.(140 Mbit/s) 2) Microwave system upgraded : 1 hop (87 bit/s to 34 Mbit/s system) 2. Improvement of Trunk Network <ol style="list-style-type: none"> 1) Installation of new microwave link : 1.5 Ghz 8 Mbit/s system; 5 hops. 2 GHz 34 Mbit/s system; 4 hops 2) Microwave system upgrading : 4 hops (8 Mbit/s to 34 Mbit/s system) 3. Improvement of Rural Area Network <ul style="list-style-type: none"> 9 base stations, 64 radio subscriber terminals, 1,700 subscribers. <p>Imp. Period : 1) shows for the original plan, and 2) shows for the revised plan.</p>		

スラバヤ都市圏電気通信網整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Finance:

Oct.1992 OECF L/A 1 (2,941 million yen)

Telecommunications Network Plan in Surabaya (1)

*Contents of loan

(1)A part of exchange station (2)Consulting service for whole project as a 1st stage to install communication system (exchange station, transmission lines, lines for subscriber) in Surabaya and surrounding areas.

Nov.1993 OECF L/A 2 (8,091 million yen)

Telecommunications Network Plan in Surabaya (2)

*Contents of loan

Exchange of OSP, optic fibre junction network, radio network, etc.

Construction:

A part of proposed project (some sections of junction network in Surabaya multi-exchange area and some sections of trunk network) will be implemented in order to achieve the targets at the end of Repelita VI).

A consulting contract between P.T. TELKOM (EX-PERUMTEL) and NTC in association with PT. WIDYA DUTA INFORMINDO (LOCAL CONSULTANT) was signed in Mar. 1993.

Mar.1995~Mar.1997 Phase I implemented

Mar.1995~Mar.1997 Phase II implemented

Construction Traders:

PK.1 (Local Cable Network) Consortium-Tomen, etc.

PK.2 (Fibre Optic Tr) Consortium-Sumitomo and NEC

PK.3 (Radio Tr) Consortium-Sumitomo and NEC

PK.4 (Digital SW) Consortium-Sumitomo and NNC

NNC (NEC, NUSANTARA COMMUNICATIONS)

PK.5 (installation of additional radio system, Kebalen-Gresik)

Consortium-Sumitomo and NEC

Additional Construction Works

Finance:

(FY 1997 Domestic Survey)

It is decided to construct additional junction network, radio system, etc. with the balance of OECF loan (approx. 5,000 mil. yen).

*Contents(FY 1998 Domestic Survey)

Installation of the exchange stations, introduction of ISDN line, digital subscriber lines, junction networks in Surabaya City with fiber optic transmission system and SDH system, installation of rural radio subscriber system.

Period of construction:

(FY 1997 Domestic Survey) (FY 1999 Domestic Survey)

June 1997 ~ Dec.2000

Contractors:

(FY 1997 Domestic Survey) (FY 1998 Domestic Survey)

PK1 OSP (consortium of SILKAR, SAJ, PERKON, and TOMEN)

PK2 Fiber Optic Tr (consortium of Sumitomo, NEC, and NASIO)

PK3 Radio Tr (consortium of Sumitomo, NEC, and NASIO)

PK4 Digital Switch (consortium of Sumitomo, NNC-HUMPUS)

Effects:

(FY 1998 Domestic Survey)

The rural radio subscriber terminal developed in PK 3 has made a contribution to the areas without telephones.

Others:

(FY 1999 Domestic Survey)

The development of integrated network has been achieved by the implementation of the proposed project, and the additional construction such as installation of exchange stations.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 219B/90

1. COUNTRY		Indonesia
2. NAME OF STUDY		Urban Drainage and Waste Water Disposal Project in the City of Jakarta
3. SECTOR		Public Utilities / Sewerage
4. TYPE OF STUDY		M/P+F/S
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	CIPTA KARYA DKI JAKARTA
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)		Pacific Consultants International (PCI) Nippon Koei Co., Ltd.
7. STUDY PERIOD		Sep.1989 ~ Feb.1991 17month(s) ~
8. SITE OR AREA		DKI Jakarta 650 sq.km <M/P> Urban Drainage: 38 sq.km Wastewater Disposal: 43 sq.km <F/S>
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P></p> <p>(1) Urban Drainage: Canal Improvement: L=76.1km New Channel Construction: L=11.4km Pump Station Installation: 2 stations 8.7 cub.m/s capacity</p> <p>(2) Wastewater Disposal: The Study Area is divided into three areas based on the areal population density as follows: Area A: Simple On-site Treatment System Development Area B: High level On-site Treatment System Development Area C: Sewerage Development The capacity of sewerage treatment system in 2010 is 1252000 cub.m/d and total proposed sewer length is 2223km.</p> <p><F/S></p> <p>(1) Urban Drainage: Channel Improvement: L=27.4km Revetment works: L=46km Bridge improvement: 15 places</p> <p>(2) Wastewater Disposal: Sewer lines -Conveyance sewer: dia.1900 - 2900mm L=10.34km -Collection sewer: dia.150 - 1500mm L=538km : Booster pump station /place 63 cub.m/min. : Treatment plant: Aerated lagoon system (Pluit Pond) Q=530000 cub.m/d</p>		

ジャカルタ市都市排水・下水道整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)Emergency Project

D/D for the Central Jakarta region covering 4,000ha, which the JICA F/S proposed as the highest priority area, was implemented and as an emergency project a part of construction was undertaken, utilizing Pluit Pond.

Finance:

Oct.1992 OECF L/A (2,121 million yen)

(Waste Water Disposal project in the City of Jakarta (I))

(2)D/D for Urban Drainage Project in the JAKARTA

Since the city has been further urbanized than expected in M/P and the surrounding environment has been changed, the review of M/P was required. Then, D/D on the drainage project in the northwest region of Jakarta was conducted (Jan. 1996: S/W was agreed).

*Results of the study

- Regarding the wastewater disposal project will be implemented with several phases.
- Public toilets will be installed in the low-income area.

Situation:

1) Urban Drainage

The Government of Indonesia will implement the proposed project as a supplementary to the existing on-going project.

2) Wastewater Disposal

The proposed project will be implemented in two phases because it requires a large cost of US\$ 240.7 million at 1990 price and the long construction period of eight years. The first phase will be completed in 1996. The second phase will be implemented subsequently to complete in 2000. The necessary arrangements for the implementation of the first phase project from 1992 with OECF loan are now being undertaken by the Government of Indonesia.

(FY 1994 Domestic Survey)

After this study, the urban development plan of Jakarta is being considered, which includes re-development project around the Pluit Pond area. Therefore, review of this study with the alternative study of sewage treatment plant site is now on-going.

(FY 1995 Domestic Survey)

Review for F/S is continuously carried out.

(FY 1999 Domestic Survey)

No further information was gained.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 312/90

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Air Selagan Irrigation Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Irrigation II, Directorate General of Water-Resources Development, Ministry of Public Works.
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co, Ltd. Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Aug.1989 ~ Nov.1990 15month(s) ~	
8. SITE OR AREA	14,800ha on the Selagan River in kec. Muko-Muko Utara, Kab. Bangkulu Utara, Bengkulu Province.	
9. MAJOR PROPOSED PROJECT(S)		
<p>The Project is mainly for irrigation and drainage to the paddy field 4,200ha and plantation area, 2,750ha for oil palm and corn in the existing and additional transmigration area and included the following contents.</p> <ol style="list-style-type: none"> (1) Construction of weir, (2) Construction of irrigation and drainage facilities, (3) Construction of inspection roads and connecting roads, (4) Construction of tertiary networks, (5) Reclamation of new farm lands, (6) Construction of O&M facilities and, (7) Construction of small-scale hydro-power station, 		

アイルスラガン灌漑開発計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Directorate General of Water Resources Development, Ministry of Public Works, is making preparations to apply for an OECF Loan on detailed design and construction.</p> <p>(FY 1994 Overseas Survey) GOI has requested loan to the World Bank. This project is listed in the Blue Book of 1994. Many parts of the study area has been changed to plantation after the study, therefore, the result of F/S cannot be utilized without re-design in order to implement D/D.</p> <p>(FY 1996 Domestic Survey) No action has been taken to promote the project owing to a transformation of the area to plantation.</p> <p>(FY 1997 Domestic Survey) Irrigation project will not be implemented due to the drastic change of land utilization.</p> <p>(FY 1997 Overseas Survey) DGWRD plans to request SAPROF to OECF.</p> <p>(FY 1999 Overseas Survey) F/S was reviewed in FY 1999/2000. Environmental Study will be conducted in FY 2000/2001.</p> <p>(FY 2000 Overseas Survey) Since Air Selagan Areat has been converted into palm oil plantation, the proposed project would not been implemented. Therefore, request for SAPROF and Environmental Study were cancelled.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 339/90

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Bogor-Bandung Road Project	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Highways Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. Oriental Consultants Co., Ltd. Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Mar.1989 ~ Nov.1990 20month(s) ~	
8. SITE OR AREA	West Java Province, Java Island, Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>1) Construction of new road that shall include the extension of the Jagorawi Toll Road and link the main cities of West Java Province; Cibadak, Sukabumi, and Cianjur. The new road, length 100m, shall terminate at the new Cikampek-Padalarang Toll Road. Project cost is US\$ 324 million. The new Bogor-Bandung Road is recommended to be constructed as a four-lane access controlled road in its final form. However, by taking into account the expected growth of traffic demand and the balance between cost and benefit as major factors, the construction is recommended to be implemented in three phases as follows:</p> <p>1) Extension of the Jagorawi tollroad until Sukabumi with a two-lane access controlled road; 2) Extension of the same road until Citatah with a two lane access controlled road. The whole of the Bogor-Bandung Road is temporarily connected by the end of this phase with a two lane across controlled road; 3) Widening of the Bogor-Bandung Road to a four lane road at the section between Ciawi and Sukabumi. Widening of the rest, namely the section between Sukabumi and Citatah, is recommended to be taken into account the traffic demand build up.</p> <p>2) Widening of the existing 15km-long road connecting Puncak Pass with Jagorawi Toll Road. Project cost: US\$ 13 million. The Program recommended consists of the spot improvement at several locations such as Taman Safari intersection and Cibulan Market: the improvement of road cross section such as paved hard shoulder. Introduction of climbing lanes and clearly divided devices such as guard fences, safety mirrors, window central median strip, etc.</p>		

ボゴール - バンドン道路整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

The Indonesian Government has shown a strong interest in this F/S as a countermeasure to the existing Puncak traffic congestion, and a spur to the lagging development in the neighboring Sukabumi region where the potential for tourism and industrial activities is high. But at present the Government identifies projects eligible for foreign aid as those of national high priority, and projects that will contribute to the stable and uniform development among the country's regions and ensure a balanced investment policy amongst them.

Therefore, the tendency is that profitable projects should, as much as possible be executed applying the BOT method. However, in the case of road projects, even if the F/S confirms a high EIRR, the profits will be disseminated in the development effects, etc., resulting in a low FIRR. Therefore, in order to encourage the application of BOT method, it is necessary to improve the FIRR by adopting favorable conditions for soft loan, taxation system, subsidies, etc., all combined.

Concerning the road widening projects, the low project cost suggests that it will be included in a regional road development package to be financed by Yen credit.

F/S showed that even with soft loan FIRR is low and to promote BOT method many issues must be resolved before construction, indicating a long delay in implementation.

Under these circumstances the Indonesian Government is presently considering whether to adopt the BOT method for this project or not.

(FY 1995 Domestic Survey)

Ministry of Public Works and Expressway Corporation of the Government of Indonesia invited private investors for the 3 segments, which are come out to divide this project by 3 portions, as for a part of the domestic toll road with a distance of 770km (19 packages), as they intend to make this to a privatized BOT project.

(FY 1996 Overseas Survey)

(1)Chiawi - Sukabumi (BOT)

Finance:

Bukaka Teknik Utama (Bukaka Group) is responsible for D/D, construction and management.

(Concession Term:24 years) Investment Cost:RP.401bil.

Construction:

1998-2002 Scheduled to be implemented

(FY 1998 Domestic Survey)

A Korean Company won the contract. However, the construction is in stagnate.

(FY 1999 Overseas Survey)

Macro economic indicators will determine the commencement. The government still intends to realize the project through BOT.

(2)Sukabumi-Ciranjang (BOT)

Finance:

Bina Puri Holding Sdn (Malaysia) invests for D/D, C/S.

(Concession period 22 years) Investment Cost: Rp.230bil.

Construction:

1998-2002 Scheduled to be implemented

(FY 1998 Domestic Survey)

A Korean Company was the contract. However, the construction is in stagnate.

(FY 1999 Overseas Survey)

The government of Indonesia is discussing the priority of the implementation between Sukabumi-Ciranjang section and Ciranjang-Padalarang.

(3)Ciranjang-Padalarang (BOT)

Finance:

Bina Puring Holding Bhd.is responsible for D/D, construction and management.

(Concession Term:23 years) Investment Cost: RP.220bil.

Construction:

1998-2002 Scheduled to be implemented

(FY 1998 Domestic Survey)

A Korean Company was the contract. However, the construction is in stagnate.

(FY 1999 Overseas Survey)

The government of Indonesia is discussing the priority of the implementation between Sukabumi-Ciranjang section and Ciranjang-Padalarang.

Background:

(FY 1997 Domestic Survey)

Construction has been postponed for a while by "The 39th President Ordinance in 1997"

(FY 1999 Domestic Survey)

The projects which were supposed to be conducted by BOT scheme is now unable to implement due to the effect of economic crisis which occurred in 1997. Nothing is in progress at present.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 340/90

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Maintenance Dredging in the Access Channel of Banjarmasin Port	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication, Ministry of Communication
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) TETRA Co., Ltd.	
7. STUDY PERIOD	Mar.1988 ~ Mar.1991 36month(s) ~	
8. SITE OR AREA	Banjarmasin Port and the surrounding area, South Kalimantan	
9. MAJOR PROPOSED PROJECT(S)		
<p>First-stage Plan aiming the year 1995 Comprehensive Plan aiming the year 2000</p> <p>Siltation counter measures: Both sides of the access channel Length:11km(7km First-stage) Effective planning and management of maintenance dredging. Arrangement of navigational aid and procurement of pilot boat.</p>		

バンジャルマシン港航路維持・浚渫計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1992 Domestic Survey)

The implementation of the project is delayed because the project cost is too large and the privatization of the Port Authority and the Dredging Corporation is being considered.

(FY 1996 Overseas Survey)

Pre-dredge sounding be funded by Indonesia Port Corporation III.

For maintenance dredging in the access channel be funded by state budget.

The steps of the government to implement the project

1)Coordination between DGSC and Port Corporation III to make a plan for maintenance dredging.

2)Deciding the source of fund allocation to implement.

3)Proposed the project to be funded by development budget (DIP).

(1)Siltation Countermeasure

(FY 1997 Overseas Survey)

The project, whose purpose is to construct concrete banks at the both sides of access channel, has been suspended because primary investment is huge, maintenance cost will be higher than present and the negative impacts over environment is concerned.

(FY 1999 Overseas Survey)

The government of Indonesia considered of not implementing this project due to huge cost required and the minus impact on environment. However, this study was very useful as a technical reference in considering other countermeasures in order to solve Banjarmasin Port issue.

(2)Maintenance Dredging

(FY 1997 Overseas Survey)

Countermeasures such as effective sounding and remodeling of dredging boat are being implemented.

Annual dredging volume approx.2.5 million cu.m

Annual budget approx.8.3 billion Rp.

Access channel has the depth of 5m and the width of 60m at present, which are minimum for navigation. But from the viewpoint of safety, more depth and width are required.

Detail:

(FY 1997 Overseas Survey)

Banjarmasin port has contributed as a base for commodities distribution in Kalimantan, not only in South Kalimantan but also in Central and East Kalimantan. In Kalimantan, ports are situated at river because coast is not suitable for construction of port due to pite rayer. But all ports at river have problems such as insufficient depth of access channel and shortage of land area for port facility and maintenance of channel.

Under the circumstances, it seems better to establish the adequate port network of whole Kalimantan including construction of new port, by re-examining the distribution system than developing each port individually.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 220B/91

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Belawan-Padang Integrated River Basin Development	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	CTI Engineering Co., Ltd. Pasco International Inc.	
7. STUDY PERIOD	Mar.1990 ~ Mar.1992 24month(s) ~	
8. SITE OR AREA	Integrated river basins between Belawan and Padang rivers of approx. 5,800km ²	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P>(1995-2010):Total implementation costs Rp 761.26 bil.</p> <p>1. Flood Control Plan River improvements on Belawan, Deli-Perhut, Serdang, Belutu and Padang Rivers(total 174.7km), Floodway(3.8km),etc.</p> <p>2. Water Utilization Plan (1) Lausimeme Dam:Reservoir capacity 33.40 million cu.m (2) Namobatang Dam: 14.60 million cu.m (3) Belumai Sluice Way * Both dams are to serve two functions of flood control and water supply to the Medan Area.</p> <p><F/S>Proposed Projects:</p> <p>1) Deli-Perhut River Flood Control and Water Supply Project (1) Deli River Improvement 37.4km Design Discharge 460cu.m/s (2) Perhut River Improvement 28.0km Design Discharge 300cu.m/s (3) Medan Floodway 3.8km Design Discharge 120cu.m/s (4) Lausimeme Dam Rockfill type (Height 74.5m; Cap.34 million cu.m)</p> <p>2) Padang River Improvement Project River Improvement 29.5km Design Discharge 630cu.m/s</p> <p>The EIRRs shown bellow, 1)is for Deli-Perhut River Flood Control, 2)for Deli-Perhut River Water Supply Project (14.35% for the two combined), and 3)for Padang River Improvement Project.</p>		

ブラワン パダン統合河川流域開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

<M/P>

Ular river improvement

Finance:

Dec.1989 L/A 21.5 bil yen

(Irrigation and Flood Control Rehabilitation Project)

Contents of the loan:

5 rehabilitation and renewal projects as follows

(this project is 1)

1)Ular river improvement and irrigation

2)Upper comeling basin irrigation

3)East Jakarta flood control

4)Upper Titamul flood control (E/S)

5)Brantas river improvement
and consultant cost for the projects.

Construction:

(FY 1996 Domestic Survey)

Mar.1996 Completed

Situation:

(FY 1993 Overseas Survey)

The number of the flood area was dramatically reduced but flood itself is still happening. Actually, deposition and erosion are new problems.

Effects:

(FY 1999 Domestic Survey)

Damage by flood has been alleviated and standard of living has been enhanced.

<F/S>

River water pollution is now happening in some river due to untreated waste water resulting from industries.

Especially Deli-percut River is serious.

1. Deli/Purcut River Basin Water Control Project

(1) Deli river improvement

Finance:

ADB (Approximately 5,000 mil.Yen)

Construction:

(FY 1996 Domestic Survey)

Aug.1995 Completed

(2) Percut river improvement and construction of water canal

(Medang Flood Control Project)

Subsequent Studies:

Sep.1996 D/D Completed by JICA(Medan Control Project)

Finance:

28 Jan.1998 L/A 9,697 mil.Yen

*Contents of the project

Rehabilitation of Percut River (28km) and Deli River (1km), replacement of bridges, construction of Medang Floodway. (Dispersion canal included)

Construction:

(FY 1999 Domestic Survey)

Dec. 1998 - Aug. 2002

*Please refer to "Medan Flood Control Project (D/D, S401/96)".

(3) Lausimeme Multipurpose Dam

Subsequent study:

Loan for D/D will be requested to OECF in FY 1998. (approximately 400 mil.yen)

(FY 1999 Domestic Survey)

Loan will be requested to JBIC in FY 2000.

Operation & Management of Deli/Percut river rehabilitation:

(FY 1998 Domestic Survey)

Directorate of Public Work, North Sumatra

Effect:

(FY 1998 Domestic Survey)

Alleviation of flood damage, improvement of urban sanitation.

2.Padang River Improvement Project

(FY 1998 Domestic Survey)

No actions has been taken for implementation due to the shortage of fund.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 313/91

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Nias Island Irrigation and Agricultural Development Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Directorate General of Water Resources Development (DGWRD)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Pacific Consultants International (PCI)	
7. STUDY PERIOD	Aug.1990 ~ Aug.1991 12month(s) ~	
8. SITE OR AREA	Kabupaten Nias, North Sumatra province, 4,000 km ² , 560,000 persons in 1989	
9. MAJOR PROPOSED PROJECT(S)		
<p>Feasibility study on Mezawa/How irrigation project has been executed.</p> <p>(1) Diversion Weirs: 4nos. (2) Primary irrigation canal and secondary canals: 101km (3) Drainage canals: 62km (4) Road Net Work: 131km (5) On-farm development: 5,100ha (6) Land reclamation: 2,640ha (7) Irrigation Agricultural Coordination Center</p> <p>Implementation period is 5 years.</p>		

ニアス島灌漑農業開発計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 1992 Domestic Survey) After the completion of the F/S, no decision has been taken toward the project implementation.</p> <p>(FY 1994 Domestic Survey) The Indonesian Government is planned to promote the Detailed Design of the project under JICA's grant aid. But priority of the project seems to be relatively low among many candidates of irrigation projects.</p> <p>(FY 1994 Overseas Survey) GOI has requested to the World Bank. This project is listed in the Blue Book of 1994.</p> <p>(FY 1995 Domestic Survey) By the request from DGWRG of the Indonesian Government, the World Bank has reviewed the projects which completed the implementation of JICA's development survey, however, the World Bank did not show any interest to finance for these projects, including this case. In the fiscal year of 1995, Japanese side will investigate the effective frame of this project in order to materialize the official request for financial cooperation by means of the survey works to support the conformation of financial cooperation projects under the control of International Cooperation Department of the Ministry of Agriculture, Forestry and Fisheries.</p> <p>(FY 1996 Domestic Survey) BAPPENAS turned down the request which was submitted by DGWRD for the JICA assistance on D/D. The request is to be submitted again next year.</p> <p>(FY 1997 Overseas Survey) DGWRD plans to request SAPROF to OECF.</p> <p>(FY 1998 Domestic Survey) The proposed project seems to have lower effect on the planned area than the project in other area since the planned area has less population. Therefore, lower priority is put on this proposed project.</p> <p>(FY 1999 Overseas Survey) No information.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 341/91

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Surabaya - Mojokerto Toll Road Project		
3. SECTOR	Transportation / Road		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Bina Marga Jasa Marga	
	PRESENT COUNTERPART AGENCY	BAPPEDA	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Pasco International Inc.		
7. STUDY PERIOD	Aug.1990 ~ Oct.1991 14month(s) ~		
8. SITE OR AREA	Area between Surabaya-Mojokerto corridor and surrounding area		
9. MAJOR PROPOSED PROJECT(S)			
<p>The Surabaya - Mojokerto Toll Road will constitute a part of the future Trans Java Tollway System. The start point of the Project is Surabaya Junction which connects the Project Toll Road with the existing Surabaya - Gempol Toll Road, and the end point is Mojokerto Interchange, connection with the existing Mojokerto Bypass, located about 3km southeast of Mojokerto City.</p> <p>(1)Length of Project Toll Road:38.32km, including 4.06km of bridge/viaduct sections (2)Number of Lanes:4 lanes in initial stage and 6 lanes in ultimate stage(Bridge/viaduct sections will be constructed with full 6 lanes in the initial stage) (3)Design Speed:120km/hr (100km/hr for Surabaya side stretch as an urban toll road) (4)Width: Lane width=3.6m,Median width=5.5m,Outer shoulder width=3.0m,Inner shoulder width=1.5m (5)Major Bridges: Porong River Bridge(length 145m) and Surabaya River Bridge(length 140m). Both bridges are 3-span continuous PC box girder bridges with caisson foundation. (6)Number of Interchanges:5 interchanges including those at start and end points. (7)Toll Levy System: Distance-proportional system (flat traffic toll levy system for the section between Surabaya JC and Surabaya Inner Ring Road) (8)Pavement Structure: Asphalt concrete, total pavement thickness = 67cm (9)Initial Investment Cost:391,575il.Rp.(construction cost shares 263,194mil.RP.)</p>			

スラバヤ～モジョクルト有料道路建設計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(1) Surabaya ~ Mojokerto (36.4km) (FY 1997 Overseas Survey) Finance: Private fund (PT.Marga Nujyasumo Agung) Construction: The toll road project is being implemented along with recommendation of the study. But owing to the recent deterioration of economic situation, this project has been considered as section which needs revise as of November 1997, and suspended. (FY 2000 Domestic Survey) The administrative agency has been transferred from Indonesian Government to the Eastern Java Province. This project was appointed as the continuous project by the act of President, No.64 issued on May 2000. The Provincial Senate has been discussing how to implement the project.</p> <p>Detail Bina Marga intends to implement the project by the BOT (Build, Operate and Transfer) method.</p> <p>(FY 1993 Overseas Survey) Investors are to prepare D/D and financial source. Investor has been undecided.</p> <p>(FY 1994 Domestic Survey) Under negotiation between the Indonesian government and a private investor who submitted a proposal of BOT formula.</p>		

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 106/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Telecommunications Network Development Plan for Repelita-VI	
3. SECTOR	Communications & Broadcasting / Telecommunication	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General, Posts and Telecommunications, PT. TELKOM
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	
7. STUDY PERIOD	Mar.1992 ~ Jan.1993 10month(s) ~	
8. SITE OR AREA	Whole territory of the Rep. of Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
	No. of Packages	Pj Cost (Mil. US\$)
PJ Packages		
Area Project Packages (Including 2 Junction PJs)	53	3,956.52
Backbone Transmission PJs	19	1,248.73
1.5 Mlu Area PJs (JKT,SBY,BDN)	3	1,093.5
Mobile Telephone PJS	4	625.27
Radio Paging PJs	4	180.3
O&M PJs	2	10.89
* (Coin Telephone PJs)	1	170.0 1)
PJ Management/ Engineering	1	
Total	87	7,611.31
1) Excluding FM Total Amount already included in PJ cost of "area PJ packages"		

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(1) Jakarta Area

Subsequent Studies:

(FY 1995 Domestic Survey)

Sep.1995 D/D undertaken

Finance:

Nov.4.1993 L/A 3,590 mil.Yen (Extension and Improvement of Telecommunications Network in Expand Jakarta Area stage I)

Content: In-City Exchange 69,500lu (15 stations)

Junction Exchange 110,670oct (3 stations) (PK1)

Nov.29.1994 L/A 13,770 mil.Yen (Extension and Improvement of Telecommunications Network in Expand Jakarta Area stage II)

Content: In-City exchange 25,000lu (4 stations) (PK2), In-City exchange 42,000lu (9 stations) (PK3), Junction Network

(PK4) and OSP (PK5)

Construction:

Mar.1996~Aug.1997 Phase I (additional works included)

Mar.1996~Aug.1998 Phase II (additional works included)

Construction Traders: PK1-SNH Consortium (Sumitomo and NEC), PK2-SNH Consortium, PK3-SIMENS A.G., PK4-Tomen and PK5-Hyundai

(FY 1996 Domestic Survey)

This project will be concluded as Phase II is completed. Because of the adoption of the competitive bidding, approximately 5,500 mil.Yen is left unused. The installation of additional 151,000lu exchange and junction network has been considered.

Situation of Progress (additional works included) :

(FY 1997 Domestic Survey)

PK 1 --- to be completed within 1998

(additional works) Amend No.1 signed 23,200 lu

Period 8 months

PK 2 --- completed in 1997

(additional works) Amend No.1 signed 52,500 lu + 11,000 (V5.2)

Period 8 months

PK 3 --- completed in 1997

(additional works) Amend No.2 in process 52,500 lu + 14,000 (V5.2)

Period 8 months

PK 4 --- 3 month-extension of implementation period due to additional works.

PK 5 --- 3 month-extension of implementation period due to additional works.

(FY 1998 Domestic Survey)

90 % has been completed. The remaining works will be completed by 2000.

(2) Surabaya Area

Finance:

Nov.4. 1993 L/A 8,091 mil. yen (Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas).

World Bank Loan.

Construction:

Most of the construction have been completed to achieve the objectives of the Sixth Development Plan. Optical fiber subscriber network, radio subscriber network (WLL), and sub-marine cable are under construction with WB loan.

*Please refer to JICA M/P + F/S "Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas(S218B/90)".

(3) Other areas

(FY 1994 Overseas Survey)

In REPELITA VI, the area of Indonesia will be divided into seven areas. (Five areas for private companies (KSO (joint operation scheme)), two for PT.Telkom). These five areas are Sumatra, Western Java (excluding Jakarta), Central Java, Kalimantan and Eastern Indonesia. The target is to install 2 millions lines by March 1999. The consortiums accepted orders are as follows.

1 Whole Sumatra --- 500,00 lines (Pramindo Ikat)

2 Western Java --- 500,00 lines (Aria West International)

3 Central Java --- 400,00 lines (Mitra Global Telecommunication Indonesia)

4 Kalimantan --- 237,00 lines (Dayamtra Telekomunikasi)

5 Eastern Indonesia --- 403,00 lines (Bukaka Singtel International)

(FY 1998 Domestic Survey)

It is being implemented by private sector funds (turn key scheme).

Period: 5 years form contract.

Contents: Additional construction of subscriber networks of the respective DATELS.

Progress situation: Part of the construction was completed, however, it is suspended due to the economic crisis.

Telecommunication Network Expansion Project in Colombo Metro Area

Situation

This study was used for making of this policy as well as ADB M/P.

This report is used as a reference of tender documents for the proposal of KSO.

(FY 1998 Overseas Survey)

The result of the study is utilized for elaboration of the sixth 5-year Development Plan (REPELITA VI, 1994~99).

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 127/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Integrated Regional Development Plan for the Southern Part of Sumatra	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directions General of Human Settlements, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ) Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Mar.1991 ~ Mar.1993 24month(s) ~	
8. SITE OR AREA	Four provinces of the southern part of Sumatra (Jambi, South Sumatra, Bengkulu and Lampung) Population: 15.5 million, Area: 218,000 sq.km	
9. MAJOR PROPOSED PROJECT(S)		
<p>To facilitate the region's development, this study has adopted the IDEP (Integrated Development Program) approach to supplement the conventional sectoral approach. The proposed plan is, on the one hand, sectorally organized with ten sectors (agriculture, fisheries, industry, etc.) and, on the other spatially focusing on six selected priority areas for which an IDEP, multisectoral 20-year program has been prepared each. Average cost per IDEP is about US\$ 850 million. Among 351 projects in the long lists, a total of 23 prefeasibility studies (on -farm land development project for agriculture, development of industrial estates for industry, etc.) were conducted for 29 high priority projects, 25 of which were IDEP components.</p>		

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Detail

The BAPPENAS indicated its hope to utilize the Study's outputs for the formulation of national and provincial Replita VI (6th 5-year Development Plan 1994/95 - 98/99) and 15-year Provincial Spatial Structure Plans (RSTRP).

Some projects/programs proposed by the Study such as Batang Hari Integrated Basin Development Plan, Deep Sea Port (Batang Hari River in Jambi), Lampung Selatan Flood Control and Sabo Project, New Backbone Transmission Fiber Optic System are being considered for promotion.

(FY 1993 Overseas Survey)

1. The report of the Study is being translated into Indonesian to be completed by the end of FY1993.
2. In Dec. of 1993, a JICA short-term expert has been sent to Indonesia to monitor the progress of IDEPs in cooperation with the long-term expert previously assigned to the Urban and Regional Planning Dept. after the completion of the Northern Sumatra Region Study. The questionnaire survey was initiated in Dec. of 1993.
3. The regional development frame proposed for the Southern Sumatra Region as a whole is being utilized by BAPPENAS especially by the bureaus in charge of regional development.
4. The recently completed 15-year Spatial Design Structure Plan (RSTRP) of Jambi Province explicitly utilizes the regional spatial frame proposed by the JICA Study. The JICA Study proposed Tanjung Jabung IDEP in order to take advantage of its relative proximity to the Growth Triangle (Singapore/Mohore of Malaysia/Batam Island of Indonesia). The RSTRP designates the coastal area of Tanjung Jabung for environmental conservation, while its proposal for urban system development centering the provincial capital explicitly keeps the access to the Growth Triangle as the important factor of the development.
5. The RSTRP of South Sumatra Province designates its capital (coincides with Palembang IDEP), Sekayu, Muara Enim and Batu Rija as primary growth centers. The development of the area immediately to the south of Palembang is given higher priority than Musi Rawas/Lahat IDEP.
6. The RSTRP of Lampung Province emphasizes the industrialization centering in its capital (coincides with Bander Lampung/Southern Lampung IDEP) and agricultural development in Northern Lampung (coincides with IDEP).
7. To monitor the progress of IDEP in six priority areas, the questionnaire survey same as that of the Northern Sumatra has started by short-term expert in the end of 1993 and finished in July 1994.

(FY 1997 Domestic Survey)

Muaya-Sabak Port (Jambi)

Construction completed in 1993 funded by OECF.

Sumatra Eastern Coastal Road (Lampung, South Sumatra) After F/S (JICA) construction was started with OECF loan.

In FY 1994, "Southern Sumatra Integrated Development Project Follow UP" was conducted to examine the possibility of exploitation of mineral resources.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 221B/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development of Coastal Roads in East Coast of Sumatra	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate of Planning, Directorate General of highways, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Oct.1991 ~ Dec.1992 14month(s) ~	
8. SITE OR AREA	Kayuagung ~ Menggala Section (Road Length: 180km)	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P></p> <p>The basic policy of a master plan (year:2010)</p> <ul style="list-style-type: none"> -The road will connect main city with the other cities in the Region. -The road development will mainly consist of improvement of existing roads. -Where the existing roads have roundabout route bypass routes will be newly constructed. The following three road section have been selected as the priority section (design year is1997). <p>Section 4: Rengat-Jampi Road Length 255 Km Section 6: Palembang-Menggala Road Length 183 Km Section 7: Menggala-Bakauhuni Road Length 189 Km</p> <p><F/S></p> <p>1) Road rehabilitation Works</p> <ul style="list-style-type: none"> - Total Length: 183km - Number of Lanes: Before 1-lane, 4.5m width and Width, After 2-lane, 2x3.5=7.0m - Shoulder Width: Before 1.0m, After 2.0m - Pavement: Asphalt Pavement: <ul style="list-style-type: none"> Existing paved road with overlay pavement. Widened road sections and road sections with improved horizontal and vertical alignment with new pavement. <p>2) Bridge Replacement Works: Tulang Bawang, Pedada Bridge</p>		

スマトラ東海岸道路整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
Description :		
<p>1. Sumatra East Coast Highway Project(Menggala~Ketapang section) Finance: (FY 1998 Domestic Survey)(FY 1998 Overseas Survey) 28 Jan. 1998 L/A 6,652 million yen (Sumatra East Coast Highways Project) *Components: Menggala~Ketapang (170 km) including Menggala~Sukadana.</p> <p>Construction: (FY 1998 Domestic Survey)(FY 1998 Overseas Survey)(FY 1999 Overseas Survey) Dec.1998 Selecting the implementing consultants. 2000~2001 (planned). (FY 2000 Domestic Survey) Design: Sep. 1999~ Aug. 2000 PQ: Nov. 2000~ Feb. 2001(schedule) Bid: Mar. 2001~ Jun. 2001(schedule) Construction: Jul. 2001~ Apr. 2004(schedule)</p> <p>2. Kayuagung~Menggala: (the section of Menggala~ Pumatang Pangang (Boundary area between the Propinci Sumatera Selatan and Propinci Lampung) Finance: (FY 2000 Domestic Survey) LA: 66.53mil Yen (Jan. 1998) Part of "Development of Coastal Roads in East Coast of Sumatra"</p> <p>3. Rengat~Jambi: Finance: (FY 2000 Domestic Survey) Requested for new loan</p> <p>Detail: <M/P> The Government confirms as the important project as for the selected result of priority section. The project is high priority in road improvement projects in Indonesia. The directorate of planning is to apply to Badan Perencanaan Pembangunan Nasional(BAPPENAS).</p> <p><F/S> This section is in the first priority in this project among the entire road projects in Indonesia. The government is possible to connect the fund under OECF loan.</p> <p>(FY 1995 Domestic Survey) These sections of this project are given higher priority by M/P carried out by OECF as a part of "Heavy Loaded Road Improvement Project" which had been commenced on May, 1992. Accordingly, this project will be implemented as for a part of the improvement project of the national highway in whole country.</p> <p>(FY 1996 Domestic Survey) I/P of Palembang-Menggala was prepared. An OECF loan has been requested for 12,200 mil.Yen out of 13,600 mil.Yen of total project cost.</p> <p>(FY 1997 Overseas Survey) As for the section of Kayuagung~Menggala, Ministry of Public Works has requested to BAPENAS for OECF loan. It is possible that the application will not be accepted because it is still early to implement the project for that section, though JICA study puts high priority for the section.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 222B/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Development of the Nationwide Ferry Service Routes	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Communications, Directorate General of Land Transport and Inland Waterways.
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Pacific Consultants International (PCI)	
7. STUDY PERIOD	Jan.1992 ~ Mar.1993 14month(s) ~	
8. SITE OR AREA	1.Ambon~Seram 2.Biak~Yapen~Irian Jaya 3.Flores~Alor 4.Sulawesi~Kabaena 5.Kabaena~Muna 6.Sulawesi~Waweni 7.Harmahera~Morotai 8.South Sulawesi~Southeast Sulawesi 9.Sumatra~Bangka~Belitung	
9. MAJOR PROPOSED PROJECT(S)		
<M/P>		
1. Existing routes (3 routes) The construction of a ferry terminal at a new site is proposed. (No. 9 route)		
2. New routes (6 routes) Appropriate terminal sites in each ferry route have been selected taking account of oceanographic conditions, topographic conditions and so on.		
<F/S>		
4 Priority routes were selected as follows; Mokmer - Saubeba (No. 2) / Terong - Lewoleba (No. 3) / Bajoe - Kolaka (No. 8) / Palembang - Muntok (No. 9)		
1. Construction of breakwater: Mokmer, Saubeba, Muntok		
2. Reclamation work for passenger terminal and parking lots: Bajoe, Kolaka		
3. Dredging: Mokmer, Bajoe		

全国フェリー網整備計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Finance: Dec. 1995 OECF L/A 3,129mil. Yen, Bajoe - Kolaka and Palembang -Muntok Ferry Terminals Development Project. *Contents: No.8 and No.9 route. (FY 1999 Overseas Survey) Request for assistance was submitted to Japanese government, but there is no reply at the time being.</p> <p>Construction: (FY 1999 Overseas Survey) Under preparation for bidding.</p> <p>Situation by Now: Compared with development of F/S ferry routes and extension of Meraku-Bakauni route, the latter was given priority. After development of Merak-Bakauni route, these F/S ferry routes will be developed.</p> <p>(FY 1993 Overseas Survey) -The counterpart has not conducted D/D yet. -The project has been incorporated into REPELITA VI -The counterpart requested OECF loan.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 314/92

1. COUNTRY	Indonesia													
2. NAME OF STUDY	Land Development Project: Improvement of Land and Irrigation Systems at Farm Level													
3. SECTOR	Agriculture / (Agriculture in) General													
4. TYPE OF STUDY	F/S													
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Food Crops Agriculture, Ministry of Agriculture												
	PRESENT COUNTERPART AGENCY													
6. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co, Ltd. Nippon Giken Inc.													
7. STUDY PERIOD	Feb.1991 ~ Sep.1992 19month(s) ~													
8. SITE OR AREA	North Sumatra Province, South Sulawesi Province and West Nusa Tenggara													
9. MAJOR PROPOSED PROJECT(S)														
<p>The project consists of four major components, i.e., land development, village irrigation development, institutional strengthening and strengthening of coordination and monitoring, and include the following contents.</p> <p>(1) Land Development Project</p> <table style="margin-left: 20px;"> <tr> <td>Number of schemes</td> <td style="text-align: right;">30 nos.</td> </tr> <tr> <td>New paddy field reclamation</td> <td style="text-align: right;">2,334 ha</td> </tr> <tr> <td>Tertiary system & land consolidation</td> <td style="text-align: right;">2,334 ha</td> </tr> </table> <p>(2) Village Irrigation Project</p> <table style="margin-left: 20px;"> <tr> <td>Number of schemes</td> <td style="text-align: right;">310 nos</td> </tr> <tr> <td>Planning paddy area</td> <td style="text-align: right;">28,100 ha</td> </tr> <tr> <td>Upgrading of irrigation/drainage facilities</td> <td style="text-align: right;">310 schemes</td> </tr> </table>			Number of schemes	30 nos.	New paddy field reclamation	2,334 ha	Tertiary system & land consolidation	2,334 ha	Number of schemes	310 nos	Planning paddy area	28,100 ha	Upgrading of irrigation/drainage facilities	310 schemes
Number of schemes	30 nos.													
New paddy field reclamation	2,334 ha													
Tertiary system & land consolidation	2,334 ha													
Number of schemes	310 nos													
Planning paddy area	28,100 ha													
Upgrading of irrigation/drainage facilities	310 schemes													

小規模かんがい施設整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1) Land Development Project

(FY 1997 Overseas Survey)

Implementation of land development project has been delayed because the government puts higher priority on irrigation projects, and there is no coordination between Ministry of Public Works and Ministry of Agriculture.

The importance of land development planning is being recognized, owing to the constant lack of rice. Moreover, rice production per unit area is not increasing so much. Developing the productivity of land is necessary rather than adopting HYV or irrigation to increase production.

Finance:

(FY 1999 Overseas Survey)

Mar.1994 Own fund

*Contents: Survey investigation and design, land clearing, land leveling, farm road construction

Construction:

(FY 1999 Overseas Survey)

1994-1998 Most of the proposed area have already been developed.

(2) Village Irrigation Project

Finance:

Dec.1997 L/A 1,797 mil.yen (Water Resources Development)

(FY 1997 Overseas Survey)

Own fund (for an area of 1.3 mil. ha)

OECD loan (for an area of 0.1 mil. ha)

Construction:

(FY 1997 Overseas Survey)

Rural irrigation facilities have been rehabilitated in the area of 1.4 mil.ha out of 1.6 mil.ha. Improvement works are to be implemented for the rest of 0.2 mil.ha gradually.

Detail:

(FY1994 Overseas Survey)

According to the Ministry of Agriculture, the Ministry of Public Works is in charge of the paddy field reclamation for technical irrigation and the Ministry of Agriculture is in charge of the village irrigation. More precisely, however, the Ministry of Agriculture takes care of studies relating to the paddy-field reclamation for technical irrigation, and the Ministry of Public Works takes over designing, land clearing and land leveling. Therefore, there is a possibility to have two counterparts to conduct this project. This project is listed in the Blue Book of 1994. OECD is handling positively the small scale irrigation projects.

(FY 1996 Domestic Survey)

This is the small-scale irrigation facilities improvement project under the Ministry of Agriculture. Presently, the Ministry of Public Works has been implementing similar project. Therefore, OECD is unlikely to finance the project as long as the Ministry of Agriculture is the only implementing body. The Indonesian side seems to have no intention to promote the nationwide small-scale facilities improvement project, because 1)it desires the development of agricultural cooperative, and 2)it focuses on the development of the eastern region with the umbrella method developed by JICA.

The medium-scale irrigation facilities improvement project will be implemented by the Ministry of Public Works with an OECD loan, for which L/A will be signed in 1996. In this Project a couple of districts will be selected from all 28 provinces as the model districts. As a result, this project may be implemented.

(FY 1997 Domestic Survey)

The target area of OECD loan is all provinces in Indonesia. Each Province will implement agricultural development works. The target Provinces of JICA's F/S had selected priority projects.

(FY 1999 Overseas Survey)

Components for land development and village irrigation have been implemented by Directorate General of Water Resources Development(DGWRD) of Ministry of Public Work. Therefore, the detail progress of these components is under the responsibility of DGWRD.

Related Projects:

(FY 1999 Overseas Survey)

Ministry of Agriculture intends to implement institutional strengthening, coordination and monitoring, as well as farmer's capability improvement, which were not covered in the project.

However, these components aren't yet implemented due to the limited fund.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 315/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Rokan River Basin Overall Irrigation Development Plan	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co, Ltd. Chuo Kaihatsu Corporation	
7. STUDY PERIOD	Jan.1991 ~ Aug.1992 19month(s) ~	
8. SITE OR AREA	Northern part of Riau Province (16,059 km ²)	
9. MAJOR PROPOSED PROJECT(S)		
<p>The Lower Rokan Kiri Irrigation Project is selected as a priority project of the Rokan River Basin Overall Irrigation Development Plan Study. The project of which net irrigable is 8,300ha in the total project area of 12,200ha consists of</p> <ul style="list-style-type: none"> (1) Construction of diversion weir (2) Construction of irrigation & drainage canals (3) Land development for additional farm land (4) Construction of Tertiary system (5) Construction of inspection road & O&M facilities 		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>The Detailed Design (D/D) by OECF loan is under studying by DOI-II DGWRD.PU.</p> <p>(FY 1994 Overseas Survey) GOI has requested OECF loan, but it is not progressed after that. This project is listed in the Blue Book of 1993. The area of the project is for the transmigration area. According to interviews, land use in this district has been changing from rice cropping to plantation.</p> <p>(FY 1996 Domestic Survey) The Provincial government desires to implement this project soon after the project in Batang Kumu is launched.</p> <p>(FY 1997 Overseas Survey) D/D for another project, which was to be financed by OECF, has been cancelled because of the change in land use. As a consequence, DGWRD is considering to request a review study of land use and SAPROF.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 342/92

1. COUNTRY	Indonesia		
2. NAME OF STUDY	IKK System Water Supply Project in Provinces of Central Java, East Java and Bali		
3. SECTOR	Public Utilities / Water Supply		
4. TYPE OF STUDY	F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	CIPTA KARYA	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI) Kajitani Engineering		
7. STUDY PERIOD	Jul.1990 ~ May.1992 22month(s) ~		
8. SITE OR AREA	High Priority 30 IKKs in Central Java, East Java and Bali province		
9. MAJOR PROPOSED PROJECT(S)			
<p>(1) Construction of Water Supply Facilities for 30 IKKs (Main towers of Koamatan)</p> <p>(2) Water supply facilities consist of intake facilities, reservoirs and piping including elevated tank, public taps and house connections.</p> <p>(3) Numbers of IKKs and water sources are as follows.</p>			
		Water Source Existing	
Province	Number of IKKs	Spring	Well Water Supply System
Central Java	14	5	6 3
East Java	12	1	11 ---
Bali	4	3	1 ---

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent studies:

(FY 1995 Domestic Survey)

Nov.1994 Consultation Agreement was signed.

Jan.1995 Consulting services (detailed designing and administration of consultation) were commenced by Pacific Consultants International and the other three domestic consulting

Oct.1995 D/D was completed

Finance:

(FY 1993 Overseas Studies)

Oct.1993 L/A 7,798 mil.Yen

(Human Settlement Improvement Project for Urban and Rural Areas)

*Contents

-Procurement of pumps, generators and hydroplants

-Procurement of other equipment

-Consulting services

Dec.1995 L/A 12,220 mil.Yen(Human Settlement Improvement Project II)

*Contents: Improvement of water supply facility, improvement of settlements

Construction:

(FY 1995 Domestic Survey)(FY 1998 Domestic Survey)(FY 1999 Overseas Survey)

For 30 IKK construction will be commenced. It was completed in Jan.1997.

-Procurement has been completed.

-Supply and install of WTP has been completed.

-Civil works have been completed.

All the proposed projects have been implemented.

Province	Number of IKKs	Spring	Water Source Existing		River	Embung
			Well	Water Supply System		
Central Java	21	14	2	3	1	1
East Java	23	8	12	2	1	---
Bali	7	6	1	---	---	---

Effects:

(FY 1999 Overseas Survey)

1. Central Java

Water supply system was provided in 21 IKKs with the total capacity of 347 l/s to serve 304,565 people.

2. East Java

Water supply system was provided in 23 IKKs with the total capacity of 415 l/s to serve 331,476 people.

3. Bali

Water supply system was provided in 7 IKKs with the total capacity of 75 l/s to serve 62,535 people.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 343/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Cidanau-Cibanten Water Resources Development Project	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.	
7. STUDY PERIOD	Dec.1990 ~ Jun.1992 18month(s) ~	
8. SITE OR AREA	The area bordered by the sea in the north and west, by the Cibanten river in the east and by the Cidanau river in the south A=approx. 1,050 sq.km	
9. MAJOR PROPOSED PROJECT(S)		
<p>(a)Heightening of Krenceng Dam</p> <ul style="list-style-type: none"> - Dam type; Impervious random fill - Dam height and length: 24m, 2,911m - Dam volume: 1,270,000m³ - Gross and effective capacity: 14.07, 12,870,000m³ <p>(b)Water Conveyance and Treatment Facilities</p> <ul style="list-style-type: none"> - To be added (Intake and sand trap basin, Cidanau pump station, Booster Pump Station, Water treatment plant) - to be replaced (Koenceng pump station Surge Tank) <p>(c)Maximum Water Supply Capacity</p> <ul style="list-style-type: none"> -3.05m³/S 		

チダナオ・チバンテン水資源開発計画

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>The implementation of the project (including its financial aid) is under discussion in the Indonesian Government.</p> <p>(FY 1993 Overseas Survey) Implementation of the project is still under discussion in the Indonesian Government. The economic growth of this country is beyond anticipation of the study and water demand is increasing.</p> <p>(FY 1994 Domestic Survey) Although the project implementation is high priority in the Government due to the increase of water demand, arrangement between two Ministries (Public Works and Industry) is not well done for the heightening of Krenceng dam.</p> <p>(FY 1996 Domestic Survey) Because the agreement between the Ministry of Public Works and the Ministry of Industry has not reached yet, there is no plan to submit any request.</p> <p>(FY 1997 Overseas Survey) As for heightening of Krenceng dam, coordination between Ministry of Industry and Minister of Public Works is necessary to discuss about necessity, urgency and components of the project because state-operated Karakatu Steel Company owns dam facility. But nothing is concluded so far.</p> <p>(FY 1999 Overseas Survey) Study on water balance was conducted in 1998. Environmental study and management catchment area study were conducted in 1999. Excavation and heightening of Krenceng dam is still delayed due to the lack of budget.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 344/92

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Development of Waste Water Disposal for Denpasar	
3. SECTOR	Public Utilities / Sewerage	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Cipta Karya
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Sep.1991 ~ Dec.1992 15month(s) ~	
8. SITE OR AREA	Central Denpasar area of 2,683ha and Sanur area of 74ha	
9. MAJOR PROPOSED PROJECT(S)		
The main features of the urgent project in 2000 are shown below		
	Denpasar	Sanur
Service Area(ha)	1,030.8	331.8
Served Population in 2000	117,864	11,513
Sewer Secondary/Tertiary(Km)	126.02	32.72
Main Sewer(Km)	19.53	4.31
Force Main(km)	-	5.16
Sub Total(Km)	145.55 (1)	42.19 (2)
Treatment Plant (m/day)	44,000 = (1)+(2)	
The project cost and Annual O/M cost are Rp. 82,400 million and Rp.1,194 million/year respectively		

デンパサール下水道整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Studies:

Around Mar.1997 D/D scheduled to be commenced for two years.

At the time of F/S, Kuta district was not included because the World Bank was undertaking a study there. However, D/D will be undertaken in Kuta district as well as Denpasar and Sanur districts. The construction will be also implemented in these three districts.

(FY 2000 Domestic Survey)

D/D was completed.

Finance:

Nov.1994 L/A 5,400 mil yen

(The Development Wastewater Disposal for Denpasar)

(FY 2000 Domestic Survey)

Contents:

The consultation and the development of wastewater disposal for Denpasar, Sanur and Kuta districts.

Construction:

(FY 1998 Domestic Survey)

2000~2004 Scheduled.

(FY 1996 Domestic Survey)

After the completion of D/D, the construction of sewerage of treatment plant will be undertaken for four years.

(FY 1998 Domestic Survey)

D/D is on-going (May 1998 ~ April 1999).

Work for D/D is delayed since the pump site has not been decided.

(FY 2000 Domestic Survey)

The construction will be commenced after the autumn in 2001.

Detail:

(FY 1995 Domestic Survey)

Selecting the consultant.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 112/93

1. COUNTRY	Indonesia					
2. NAME OF STUDY	Formulation of Irrigation Development Program					
3. SECTOR	Agriculture / (Agriculture in) General					
4. TYPE OF STUDY	M/P					
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works				
	PRESENT COUNTERPART AGENCY	Directorate General of Rural Development, Ministry of Settlement and Regional Infrastructure				
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co, Ltd.					
7. STUDY PERIOD	Apr.1992 ~ Nov.1993 19month(s) ~					
8. SITE OR AREA	All Indonesia					
9. MAJOR PROPOSED PROJECT(S)						
To sustain the self-sufficiency in Indonesia, the following development plan is proposed;						
New Construction : 1,300,000ha						
Rehabilitation : 400,000ha						
Land Development : 1,130,000ha						
Target Development Area of each category (unit:1000ha)						
	6th	7th	8th	9th	10th	Total
New Construction	36.4	434.8	465.2	299.9	60.0	1,296.3
Rehabilitation	-	-	-	-	-	406.9
Land Development	326.4	258.4	303.3	207.7	39.2	1,134.8

全国灌漑開発プログラム形成計画調査

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

The result of the study was utilized to formulate the 6th National Development Plan (1994-1999) and the 2nd long term development Plan (1994-2019).

(FY 1994 Domestic Survey)

Formulated Irrigation Development Program should be maintained properly and revised periodically, according to the change in parameters due to the change of external circumstances. It is expected that several agencies/ institutions such as BULOG, BAPPENAS, Central Bureau of Statistic, Ministry of Agriculture, Ministry of Public Works coordinate to proceed the Program.

(FY 1994 Overseas Survey)

Ministry of Public Works hopes to undertake F/S for one of the areas proposed in the study.

(FY 1996 Domestic Survey)

Neither the review of the development program nor the implementation of F/S has been undertaken.

(FY2000 Overseas Survey)

Ministry of Settlement and Regional Infrastructure intends to update the study in the near future with technical assistance from JICA.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 203/93

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Solid Waste Management Improvement for Surabaya City	
3. SECTOR	Public Utilities / Urban Sanitation	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Public Works / Surabaya City
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) EX Corporation	
7. STUDY PERIOD	Jan.1992 ~ Feb.1993 13month(s) ~	
8. SITE OR AREA	Surabaya City	
9. MAJOR PROPOSED PROJECT(S)		
<ul style="list-style-type: none"> 1) Improvement and construction of final disposal site 2) Increase of service coverage and hygienic upgrading in haulage 3) Increase of street sweeping efficiency 4) Improvement of vehicle maintenance 5) Institutional improvement in waste management 6) Waste amount reduction 7) Improvement and effective use of existing incinerator 		

スラバヤ市廃棄物処理計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(1) Surabaya Urban Development Project (SUDP) (FY 1997 Overseas Survey) Finance: World Bank, local government budget *Contents of the project -Procurement of garbage car, containers and hand-carts -Construction of a disposal plant -Improvement of waste collection sites and workshops -Procurement of machineries for reclamation work</p> <p>Total Cost / 41,789 mil.Rp Imp.period / FY 1993-FY 1998</p> <p>Difference with JICA's proposal: Adoption of control reclamation method in spite of constructing a sanitary landfill.</p> <p>Construction: Construction of a final disposal plant and improvement of waste collection sites and workshops are underway.</p> <p>(2) Related Project Subsequent Study: (FY 1998 Domestic Survey) July~Nov.1998 SAPI "Surabaya Urban Development Project (II)"</p> <p>Finance: (FY 1994 Domestic Survey) Jan.1993 L/A 11.25 bil yen (Surabaya Urban Development Project (1)) Although the project is mainly river and road improvement works, it is included provision of equipment for collecting solid waste.</p> <p>Construction: (FY 1994 Domestic Survey) Jan.1993 Construction started Mar.1997 Construction to be completed</p> <p>Detail: Jan.1995 The project of "Solid Waste Management Improvement for Jakarta City" also started by using OECF loan (3,860 million yen).</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 204/93

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Integrated Modernization Plan for Sea Transportation in Eastern Indonesia	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication (DGSC)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
	Overseas Ship-building Cooperation Centre (OSCC)	
7. STUDY PERIOD	Oct.1992 ~ Mar.1994 17month(s) ~	
8. SITE OR AREA	Eastern Indonesia (12 provinces)	
9. MAJOR PROPOSED PROJECT(S)		
1.Construction of three kinds of standard ships 2.Improvement of sea transportation service 3.Development of 17 major ports in Eastern Indonesia 4.Improvement of basic yard for repair and inspection of ships 5.Improvement of navigational and search and rescue facilities including communication systems 6.Urgently required development of Bitung Port and Kupang Port Based on the above master plan		

東部インドネシア海上輸送近代化総合計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p><M/P> (1)"Maritime Transportation in Eastern Indonesia" (FY 1994 Domestic Survey) Finance: 1)Sep.1991 L/A 8,499 mil yen (Maritime Transportation Sector Loan in Eastern Indonesia) Contents: a) Development of Ferry Terminals; b) Development of Ports and Harbors; c) Development of Nautical Marks Control Vessel; d) Development of Nautical Marks; e)Development of Surabaya Seamen's School; and f)Consulting Services. 2) Oct.1992 L/A 5,231 mil yen (Maritime Transportation Sector Loan in Eastern Indonesia (2)) Contents: a)Development of Nautical Marks Control Vessel; b)Development of Nautical Marks; c)Development of Ports and Harbors; and d)Consulting Services) Construction: 1)Oct.1993 - Dec.1995 2)Jun.1995 - Aug.1996 (FY 1999 Overseas Survey) 1)Development of 6 ports Jul.1.1995~Aug.17.1996 Package 1(Tagulandang, Pagimana, and Kokaka Port) completed Apr.17.1995~Jul.31.1996 Package 2(Reo, Numfor, and Windesi Port) completed 2)Development of 5 ports Oct.10.1996~Dec.9.1997 Package 1(Anggrek, Sabu Timur, and Maumbawa Port) completed Nov.17.1996~Feb.1998 Package 2(Seget, and Ramiki Port) completed</p> <p>(2)"Small Ports Development Project in Eastern Indonesia" Subsequent study: (FY 1998 Overseas Survey) B/D in Pam Island, Menanga, Elat by DGSC. (FY 1999 Overseas Survey) D/D was completed by MTSL: Bayuan, Atsy, and Eci Port B/D was completed by MTSL: Ansus, Mega, Labuhan Bajo, Maritaing, Kur Island, and Kasini Port Finance: (FY 1998 Domestic Survey)(FY 1998 Overseas Survey) 28 Jan. 1998 L/A 3,111 mil. Yen Contents: This project aims to provide improvement of efficiency and safety in the operation of twelve small non-commercial ports: 6 ports (Bayun, Atsy, Eci, Ansus, Maga, Pam Island) in Irian Jaya, 3 ports (Labuhan Bajo, Maritaing, Menanga) in Maluku and 3 ports (Kur Island, Kasini, Elat) in East Nusa Tenggara, by providing needed port facilities and equipment, such as wharves and forklifts. Construction works and consulting services. The loan will be used for construction works and consulting services.</p> <p><F/S> "Development of Bitung Port and Kupang Port" (FY 1996 Overseas Survey) Subsequent Studies: 1997 D/D scheduled to be implemented Finance: Dec.1996 L/A 5,250 mil.Yen Construction: 1998~2001 Scheduled to be implemented Maintenance & Operation: Kupang port will be managed by Indonesia Port Corporation III while Bitung Port will be by Port Corporation IV.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 205/93

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Water Resources Development, Urgent Flood Control and Urban Drainage in Semarang City and Suburbs	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of Public Works, Directorate General of Water Resources Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	CTI Engineering Co., Ltd. Pacific Consultants International (PCI)	
7. STUDY PERIOD	Apr.1992 ~ Nov.1993 19month(s) ~	
8. SITE OR AREA	Central Java Province, Semarang City and its Suburbs	
9. MAJOR PROPOSED PROJECT(S)		
<p>(1)Flood Control Rehabilitation of 6 rivers and Construction of 2 dams.</p> <p>(2)Urban Drainage No. of Objective Channels : 16 Catchment Area : 104km² Total Length of Objective Channels : 73km</p> <p>(3)Water Resources Development Development Volume : 10.37m³/s by Construction of 4 dams.</p>		

スマラン市周辺緊急治水・水資源開発計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: (FY 1997 Overseas Survey)(FY 1998 Domestic Survey)(FY2000 Domestic Survey) Aug.1997 D/D started (JICA) Sep.2000 D/D finished *Contents of D/D</p> <p>1) Improvement of west drainage canal/Garang River The purpose: to control the floods. The scale: the probability per 100 years with modulation by dam Water flow: 790m³/s The improvement length: 9.8km between the estuary of Garang River and the meeting place for the Cleo River including the improvement of the Simongan-river dam located 5.3km from the estuary. With the improvement of the river channel, it is needed to improve the construction such as raising the bridges, bank protection work, spur dike.</p> <p>2) Construction of Jatibarang multipurpose dam It is planned to construct on the Cleo River, a branch river of Garang River and the purposes are to control floods, to develop the water resource and to generate electricity. The plan includes the construction such as temporary drainage canal, electric power plant, and control post.</p> <p>3) Improvement and expansion of Semarang City drainage facilities Area: Center of Semarang, 12.835km² The area is divided into 2 area; the area for the natural drainage, the other area for the drainage by pump.</p> <p>Finance: (FY 1997 Overseas Survey) OECF loan will be requested in accordance with progress of D/D of each project.</p> <p>(FY 1998 Domestic Survey)(FY2000 Domestic Survey) Request for OECF loan was submitted around Jan. 1999. Amount to be requested: approx. 37 billion yen. Contents: Improvement of west drainage canal and Garang River, Construction of Jatibarang multipurpose dam, Improvement and expansion of Semarang City drainage facilities.</p> <p>Situation: (FY 1999 Overseas Survey) There is no fund available for land acquisition of 5ha in the city which require about Rp. 1 billion. Total requirement of land acquisition is estimated to be about 150ha(estimated cost: Rp. 40 billion).</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 323/93

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Upland Plantation and Land Development Project at Citarik Watershed	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Reformation and Land Rehabilitation, Ministry of Forestry
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Forest Technical Association	
7. STUDY PERIOD	Feb.1992 ~ Oct.1993 20month(s) ~	
8. SITE OR AREA	Citarik sub-watershed of Citarum watershed in West Java (about 50,000ha)	
9. MAJOR PROPOSED PROJECT(S)		
Bench Terraces : 5,448ha Small dike Terraces : 2,320ha Forest Development : 3,228ha Agroforestry : 3,072ha Improvement of Dry Fields : 7,828ha Check Dam : 70 units Small Check Dam : 139 units Gully Plug : 2,080 units Revetment Work : 16,000m Demonstration plot : 30 units Training Center : 1 units New Road Construction : 74 Km Improvement of Road : 130 Km Nursery : 12 units		

チタリック水源林造成計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent studies: (FY 1994, 1995 Domestic Survey, FY 1997 Overseas Survey) Nov.1994~Feb.1995 SAPROF *Difference with JICA's proposal The study had put more emphasis on water retention in the Citarik Watershed.</p> <p>(FY 1998 Domestic Survey) April 1998~ (5 years) D/D</p> <p>Finance: Dec.1995 L/A 4,128 mil.Yen (Upland Plantation and Land Development Project at Citarik Sub-Watershed) * Contents of project Farm and forest land conservation Torrent and bank conservation Construction and improvement of roads Construction of buildings Procurement of equipment Procurement of agricultural material Training Consulting services</p> <p>Construction: (FY 1997 Domestic Survey, Overseas Survey) Apr.1998 Scheduled to be commenced 2002 Scheduled to be completed Consultants / JV of PCI and three Indonesian Consultants. Contractor / PT.Tricon Jaya Executing Agency / Directorate General of Regional Development, Ministry of Home Affairs</p> <p>Detail: (FY 1994 Overseas Survey) According to the Ministry of Forestry, this project will be realized owing to the serious soil erosion and land degradation in Citarik region, causing the progress of sedimentation in three dam reservoirs close to the region. Therefore forestation or check-dam construction to stop soil erosion is urgently necessary. (FY 1999 Overseas Survey) Directorate General of Regional Development is the executing agency of the project.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 316/94

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Coastal Resources Inventory Management and Enhancement	
3. SECTOR	Fishery / Fishery	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Bureau of Fisheries, Ministry of Agriculture (BAPPENAS)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	System Science Consultants Inc. Japan Forest Technical Association	
7. STUDY PERIOD	Sep.1992 ~ Mar.1994 18month(s) ~	
8. SITE OR AREA	East Coast Area of Sumatra Is., east of Rupert Is., Riau State	
9. MAJOR PROPOSED PROJECT(S)		
<p>Development plan of small-scaled fishing industry, maintenance and improvement plan of the forest of mangrove.</p> <p>This area, where is faced on the Malacca straight, had been covered with the forest of mangrove. However, a quarter of those forests was disappeared during passed 15 years due to various development activities. There are many numbers of small fishing villages and their population is now increasing at an annual ratio of 4% or more. On this project, 4 villages are selected as for the model cases and following works have been planned.</p> <p>1)Organize the fishermen, support them by fishing infrastructures and equipment from the government, release from the influences of brokers in order to keep their revenues and promote the planting mangroves.</p> <p>2)The same actions will be taken for the villages without influences of brokers.</p> <p>3)Conduct fish cultivation and the cultivators should plant mangroves.</p> <p>4)Process the local marine products, apiculture by mangroves, produce of charcoal from mangrove.</p>		

PRESENT STATUS	<p>Completed or In Progress</p> <p>Completed</p> <p>Partially Completed</p> <p>Implementing</p> <p>Processing</p>	<p>Promoting</p> <p>Delayed or Suspended</p> <p>Discontinued or Cancelled</p>
<p>Description :</p> <p>Based on the recommendations from M/P, BAPPENAS lifted up this project on their Blue-Book and requested the assistance to the Japanese governmental mission. However, it was not accepted.</p> <p>(FY 1995 Overseas Survey) At present, the request has been submitted in order to receive the financial assistance from JICA.</p> <p>(FY 1997 Domestic Survey) Project is not approved yet as a grant aid assistance.</p> <p>(FY 1997 Overseas Survey) To promote organization of fishermen which is the most serious impeding factor to implement the project, scout for leaders, materialization of the guideline and establishment of a committee are necessary. As for mangrove conservation project, cooperation with Ministry of Forestry which will be responsible for the project, is indispensable. But no action has been taken so far by Bureau of Fishery because the implementation of main project, small-scale fishery development project, is delayed. It is necessary that Bureau of Fishery act to promote mutual understanding and cooperation with Ministry of Forest.</p> <p>(FY 1998 Domestic Survey) Japanese government does not provide a grant aid assistance for the field of fishery in Indonesia. The proposed projects have not been adopted as a part of the umbrella cooperation for the agricultural program.</p> <p>(FY 1999 Overseas Survey) Several programs were implemented. Government budget 1996-1998 Agribusiness Development of Primary Commodity ADB 1998-2003 Coastal Community Development and Fisheries Resources Management Project</p> <p>(FY 2000 Domestic Survey) BAPPENAS and Riau State have been expecting to implement this project.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 345/94

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Urban Arterial Road System Development Project in Jakarta Metropolitan Area	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Roads, Ministry of Public Utilities
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Mar.1993 ~ Jan.1995 22month(s) ~	
8. SITE OR AREA	City of Jakarta and surroundings	
9. MAJOR PROPOSED PROJECT(S)		
<p>To construct the arterial roads through east to west and north to south in Jakarta the capital city.</p> <ul style="list-style-type: none"> - Arterial road through east to west is the general trunk road with a big capacity connecting the central part of Jakarta and newly developed centers at the eastern and western end of the city and has the capability to develop the areas along the road. This road aims to ease the traffic jams at downtown and to promote the development towards east and west directions. - Arterial road through north to south will be constructed as a toll road under the BOT scheme, to reinforce the existing north-south trunk road network and to deal with the increase of traffic by the development of south Jakarta area. 		

ジャカルタ都市圏都市幹線道路網整備計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1)North-South Road (Coastal road ~ Outer ring road, 20km)

(FY 1997 Overseas Survey)

Underground railway and Triple decker (onland light railway) are to be constructed at almost same route as recommended by the study . Based on this study, the establishment of Corridor as mass transport system is being realized by private investment.

(FY 1999 Overseas Survey)

There are no specific progress.

(FY 2000 Domestic Survey)

The Triple Decker construction project that is consist of toll road, LRT and open road (the bottom road) was approved as the BOT project under the Soeharto Administration, however all the BOT projects including not only this project but also the promoting projects (Outer ring road) were discontinued or cancelled because of the currency crisis in 1997.

(2)East-West Road (Tangerang~Bucatu, 30km out of 70km)

(FY 1997 Overseas Survey)

Directorate General of Roads and Jakarta City are recommended to be the implementing organization. Both organizations consider it difficult to materialize the project soon because of high project cost (51.6bil.Yen) and difficulty in land acquisition.

Review of this study and recommendation are to be made within Jobotabek Integrated Transport Study starting from next fiscal year.

(FY 2000 Domestic Survey)

This project is listed in the MRT Master Plan of Jakarta City and Ministry of Transportation. After the currency crisis, all the large- scale projects including this project have been discontinued.

Detail:

The roads included in this study area appreciated that they can reinforce existing arterial road network not only east to west but north to south axes. Although the costs are very high it is feasible enough even with direct benefit only according to the result of economic analysis. Necessary fund during construction period is estimated at most 20 billion Rupiahs per annum. It seems to be very realistic plan considering former results of arrangement of the road networks. As the result of financial analysis much profit will be expected as or a toll road.

(FY 1996 Domestic Survey)

The implementation of the project with a BOT scheme is under consideration.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 346/94

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Ciujung-Cidurian Integrated Water Resources	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	Directorate General of Rural Development, Ministry of Settlement and Regional Infrastructure
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Pasco International Inc.	
7. STUDY PERIOD	Jun.1993 ~ Mar.1995 21month(s) ~	
8. SITE OR AREA	Jabotabek area and Northern Banteng area (approx.10,000sq.m)	
9. MAJOR PROPOSED PROJECT(S)		
<p>[Phase-I] Construction of Karian dam: dam height 60.5m, effective capacity of reservoir 219mil cu.m Renovation of the Ciujung River at the midstream: Section to be renovated 18.2km, planned flow quantity 1,100cu.m/s Water inducing canal: length 36.5km, capacity 12.4cu.m/s, concrete canal with square section</p> <p>[Phase-II] Pasir Kopo dam: dam hight 61.5m, effective capacity 112.6mil cu.m Cirawang dam: dam hight 36.0m, effective capacity 62.0mil cu.m Tanjung dam: dam hight 35.5m, effective capacity 120.0mil cu.m Water inducing canal: length 52.6km, capacity 13.8cu.m/s, concrete canal with square section (4037km) and concrete PC pipeline (11.9km)</p>		

チウジュン・チドリアン水資源総合開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Subsequent Studies: (FY 1996 Domestic Survey) D/D for Karian dam project, one of the projects proposed in this Study, has been planned. However, because its priority is not high, no request has been made for the realization of D/D.</p> <p>Detail: The Government of Indonesia is expecting Japanese technical cooperation for the detailed design of Phase-I of this project. At present the necessary measures are being provided by the Ministry of Public Works.</p> <p>(FY 1997 Domestic Survey) Delay in land acquisition for Jatigede dam has caused suspension of Karian dam project which is in subsequent stage.</p> <p>(FY 1997 Overseas Survey) Implementation of this project is delayed because there are other projects with higher priority to request OECF loan. Directorate General of Water Resources considers that Karian dam is necessary but puts higher priority to Jatigede dam (requesting to the World Bank).</p> <p>(FY 1998 Domestic Survey) Karian dam project is planned to be realized after the realization of Jatigede dam project. However, the realization of Jatigede dam project is delayed since there has been difficulty in acquiring land and moving residents. Government of Indonesia considers this project very important, and intends to request yen loan for implementing D/D and construction.</p> <p>(FY 2000 Overseas Survey) Government of Indonesia considers this project very urgent, and intends to request for aftercare study in socio-environmental aspects of resettlement in the Karian reservoir area to Japanese government. The project will contribute to solve the water shortage and rapid land subsidence in Jakarta Area.</p>		

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 106/95

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Small Scale Impounding Pond Development Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Jan.1994 ~ Jun.1995 17month(s) ~	
8. SITE OR AREA	West Nusa Tenggara, East Nusa Tenggara	
9. MAJOR PROPOSED PROJECT(S)		
<p>-Project on 6 areas of East Nusa Tenggara and Timor Island was proposed. (Rural Water Supply impounding Pond Project) (Bimoku, Oeltua, Tasiepah, Benkoko, Oebuain, Matasio)</p> <p>-Impounding Pond Project for irrigation in West, East Nusa Tenggara, 10areas.</p>		

ヌサテンガラ地域小規模溜池農村開発計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>(1) East Nusa Tenggara 2 areas Subsequent Study: Oct.1994~Jan.1995 B/D Finance: Jan.9.1995 E/N 1,418 mil.Yen (East Nusa Tenggara Impounding Pond Development Project-phase 1/2) Construction: June 1995~March 1996 (completed) Contractor/ Zenidaka Kumi Co., Ltd.</p> <p>(2) East Nusa Tenggara 3 areas Subsequent study: 1994 B/D Finance: 11 July 1995 E/N 1,480 mil.Yen (East Nusa Tenggara Impounding Pond Development project) Construction: May 1996~March 1997 (completed) Contractor/ Zenidaka Kumi Co., Ltd.</p> <p>3) Irrigation Project (FY2000 Overseas Survey). Subsequent study: 1999 Review Design Finance: Rp 571,360,000 (funded by JBIC, Loan Number IP-476) (Penyempeng Pond, Tiu Tui, Pelangan project) Difference with JICA's proposal: Although JICA's proposal (Master Plan 1995) consisted of 10 selected schemes, only 3 schemes were selected for reviewing design. Construction: Construction has not been implemented yet due to unallocated budget.</p> <p>Situation: (FY 1997 Domestic Survey) (FY 1998 Domestic Survey) Construction has not been started yet for West Nusa Tenggara. (FY 2001 Domestic Survey) Although they were not projects proposed in the development study, impounding ponds were constructed by their own budget. Further progress is unknown.</p> <p>(FY 2005 Domestic Survey) No information to be specifically mentioned.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 107/95

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Land Rehabilitation Plan of Semi Arid Zone in East Nusa Tenggara	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Forestry
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Japan Forest Technical Association Pasco International Inc.	
7. STUDY PERIOD	Mar.1994 ~ Jan.1996 22month(s) ~	
8. SITE OR AREA	Eastern Part of Kupang, Amarasi, Central Part of Kupang (Oesao, Olio, Oebelo, Savu Basin) in the Timor Island.	
9. MAJOR PROPOSED PROJECT(S)		
<p>Forest Creation 4,672ha Environment Protection in Community Area</p> <p>Agrarian Reform Well 802</p> <p>Agrarian Reform 6,304ha Well(drink water) 261</p> <p>Terracing 1,466ha Fruit Tree 28,640</p> <p>Flora Block Wall 2,948ha Hedge 143,600 plants</p> <p>Grassland Reform Nursery Tree 21,182 thousand</p> <p>Grassland Reform 3,660ha Village Nursery 8</p> <p>Natural Grassland 9,500ha Road</p> <p>Mountain Torrent Conservation Reform 73km</p> <p>Small Check Dam 303nos New 13km</p> <p>Soil Check Dam 23nos Forest Preservation</p> <p>Wasteland Restoration Fire Tower 5</p> <p style="padding-left: 40px;">208m</p> <p>Natural Fauna Invasion 30,400m²</p> <p>Gully Erosion Protection</p> <p>Gully Plug 260nos</p> <p>Infiltration Canal 8,000m</p> <p>Torrent Side Erosion Protection</p> <p>River Wall Protection 4,780m</p> <p>Reforestation 478ha</p>		

東ヌサテンガラ州半乾燥地森林復旧計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 1997 Overseas Survey)

The results of the study have been used as reference in preparing the detailed plan of land rehabilitation in the study area.

Finance:

(FY 1997 Overseas Survey)

Request for grant aid assistance and yen loan has been submitted.

(FY 1998 Domestic Survey)

Request for grant aid for afforestation has been submitted.

(FY 1999 Overseas Survey)

OECF Sector Project Loan(SPL) 5,500 mil. Rp.

*Contents: Construction of forest road, Seedling Production, Plantation establishment, Institutional strengthening, Procurement of Vehicle, Monitoring

Construction:

(FY 1999 Overseas Survey)

Jan.2000 Commenced

Nov.2000 Completion(scheduled)

(FY 2001 Overseas Survey)

Implementation of the OECF reached 1,000ha located in Pest Baton village, Amarasi district and Hoek Nuta village, Takari district.

This project is related with the study "Land Rehabilitation Plan of Semi Arid Zone in East Nusa Tenggara" through still not completely implemented.

(FY 2005 Domestic Survey)

No information to be specifically mentioned.

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 128/95

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Engineering Manpower Development Planning	
3. SECTOR	Others / Others	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	BAPPENAS, DEPNAKER
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Daiwa Institute of Research Ltd.	
7. STUDY PERIOD	Mar.1994 ~ Feb.1996 23month(s) ~	
8. SITE OR AREA	Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>1)Reformation of education system to train technicians, skilled workers (Education Reformation Committee).</p> <p>2)Promotion of occupation model (Occupation Model Promotion Committee).</p> <p>3)Establishment of new scheme on in-house-training (Support and promotion for inside-enterprise education).</p> <p>4)Reorganization of work training system.</p> <p>5)Establishment of supply and demand information system of technicians and skilled workers.</p>		

技能・技術分野に係る人的資源開発計画策定

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>(FY 1996 Domestic Survey) Counterpart is examining definite promotion of proposed project and plan for subsequent study, referring to the study report.</p> <p>(FY 1997 Overseas Survey) The outputs of the study have been utilized as a basic data for skilled worker planning (PELITA VII).</p> <p>Subsequent Study: F/S and review study were undertaken by Indonesian own budget. *Contents of the study: Software and hardware for vocational training.</p> <p>(FY 2005 Domestic Survey) No information to be specifically mentioned.</p>	

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 223/95

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Container Cargo Handling Ports & Dry Ports and its Connecting Railway	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Transport Directorate General of Sea Communication Directorate General of Land Transport and Inland Waterways
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Japan Railway Technical Service (JARTS) Pacific Consultants International (PCI)	
7. STUDY PERIOD	Mar.1994 ~ Jun.1995 15month(s) ~	
8. SITE OR AREA	Ujung Pandang Port (South Sulawesi)	
9. MAJOR PROPOSED PROJECT(S)		
<p><M/P> (target year 2010) Establishment of network of whole container ports Promotion of container transport by railway at 5 hinterland eg. Construction of container facility at T.Priok Port New line plan including Pasoso Station</p> <p><F/S> Short-term development plan of priority ports, dry-port and Jakarta Metropolitan railway</p> <p>-Improvement of multi-purpose wharf (under construction, 1993) as container terminal. -Improvement of yard plan and cargo handling equipment to establish container terminal at new wharf -Installation of container terminal (dry port) at the hinterland to conquer a lack of yard</p>		

コンテナ港湾ドライポート及び関連鉄道マスタープラン計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(1) Container Ports Improvement:

The wharf is under construction. Request for Yen Loan to implement container Terminal Project is being adjusted within the Govt. of Indonesia.

(FY 1996 Overseas Survey)

1) Preparing the program of container cargo handling port development based on the study recommendation, 2) Proposed Project for Bojonegara Port Development, 3) Proposed Project for Tanjung Emas Port Development

(FY 1997 Overseas Survey)

No.8 terminal of Tg.Priok Port started its operation in February 1998. Improvement works for ports of Tg.Prak, Tg.Emas, Belawan, Makassar, Banjarmasin and Bojonegara are being implemented or prepared with own budget of port company and overseas loans including fund from Japan. Bojonegara project has been in suspension for a while due to the recent economic crisis. Based on the recommendation of the study, a multi-purpose berth at Ujung Pandang which was under construction then, has been improved as a container berth. Inland container terminal at Ujung Pandang Port is in process of land acquisition.

(FY 2001 Domestic Survey)

Based on the recommendation of the Study, a multi-purpose berth at Ujung Pandang which was under construction then, has been improved as a container berth.

(FY 2001 Overseas Survey)

Container Port Improvement

a. Tanjung Perak: Expansion of International Container port and Development of Inter Island (Domestic) Container Port has been completed in 1997. Total length of international container wharfs is 1,000m and domestic container wharfs is 500m length. At present, Capacity of Surabaya Container Terminal is about 1.5 million TEU's.

b. Tanjung Emas: Development of full container terminal at Port of Tanjung Emas has been completed in 1998, with total length of wharf 345m. Beside that, adjacent to the container terminal, there is a multi purpose wharfs of 600m length. Total capacity of container in port of Tanjung Emas is about 500,000TEUs. At present, port of Tanjung Emas has achieved 300,000TEU's of container.

c. Belawan: Port of Belawan has a container terminal of 500m length and 350m of multi purpose berth. This facility has been in operated since 1990. There are some improvements on cargo handling equipment by providing additional Container Crane and RTG.

d. Makassar: Development of container terminal of Hatta Quay with 400m length has been completed in 1999. It was financed by JBIC for basic infrastructure such as wharfs and access channel and Islamic Development Bank (IDB) for Container handling equipment.

e. Banjarmasin: No progress since ADB project was cancelled.

f. Bojonegara: Land for development of port of Bojonegara about 450 ha has been acquired by Indonesia port Corporation II. Due to Presidential Decree No.39 of 1997, project of Bojonegara was cancelled because the government could not obtain the basic infrastructure such as breakwaters and dredging. Review of this project plan is required. Government of Indonesia request JICA to conduct the study so called Greater Jakarta Metropolitan Ports.

(2) Dry Port

(FY 1997 Overseas Survey)

After the completion of the study, discussion concerning the urgent enlargement of Gedepage yard is being held between Bandung city and Directorate General of Land Transport but has not been concluded yet, because Bandung city is formulating a regional development plan (Gedepage Integrated Regional Plan) at present. Directorate General of Land Transport is reviewing demand forecast of container transport, given the worsening economic situation. As the existing dry port is in full capacity, the yard needs to be constructed within a few years.

(FY 2001 Domestic Survey)

The progress situation of the inland container terminal of Gedepage port is unknown. The request to JBIC is not made yet.

(FY 2001 Overseas Survey)

Any construction programs are not progressed under the present worsen economic conditions in which the volume of freight transportation is not expected to be increased rapidly. Observing the coming economic-social conditions, the development of dry port is programmed.

Meanwhile, the project of double tracking between Cikampok-Padalarang is now under progress. Its completion may draw an increase of freight transport volume between Bandung and Tanjungpriok. It means that enlargement of Gedepage dry port will be needed.

Status:

(FY1999 Overseas Survey)

No additional information.

(FY 2005 Domestic Survey)

No information to be specifically mentioned.

(FY 2005 Overseas Survey)

Funds for Tg.Priok Port Rail Way Extension Project have been requested.

Subsequent study: Jakarta port development study (D/S)

Implementing period: 2006

Implementing organisation: JICA

Objectives:

1) Rehabilitation of Jakarta and Slabaya port, 2) Preparation for design and bidding documents (blue print)

Subsequent study: Tg.Priok Port Emergency Rehabilitation D/S, D/D

Implementing period: January 2005 to March 2006

Implementing organization: JICA

Objectives:

1) Rehabilitation of Jakarta and Slabaya port, 2) Preparation for construction planning and bidding documents (designing plan)

Technical cooperation:

Training:

Harbour management - 10 people (2004-2005)

Harbour patrol - 3 people (2005)

Harbour management (technical cooperation): Dispatch of experts: Technical development of harbour management: 1 long-termed expert and 12 short-termed experts

Long-term harbour policy: 1 long-term expert

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 224/95

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Kampar-Indragiri River Basin Development Project	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works, Department of Planning
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	CTI Engineering Co., Ltd. Nippon Koei Co., Ltd. Pasco International Inc.	
7. STUDY PERIOD	Dec.1993 ~ Jan.1996 25month(s) ~	
8. SITE OR AREA	Riau State and Western Sumatra State, Sumatra Island	
9. MAJOR PROPOSED PROJECT(S)		
<p>1)Kamparkanang River Water Supply Project -Resource is Kotapanjan Dam (under construction) and urban water supply to Pekanbaru City, the capital of Riau State.</p> <p>2)Pankinang Area River Rehabilitation/Irrigation Project -River Rehabilitation and irrigation at Pankinang Area of Kamparkanang river</p> <p>3)Kuantang River Multi-purpose Development Project -The construction of Kuantan multi-purpose dam (flood control in Kuantan mid-stream, acquisition of water for irrigation, power generation)</p> <p>4)Rengat Flood Control Project -The construction of ring dike at Rengat, Kuantan lower stream</p>		

カンブール・インドラギリ河流域総合開発計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
Description :		
<p>JICA study was completed in the end of 1995. Ministry of Public Works has interest in implementation of design and materialization of the project. Especially at Pekanbaru city (population 0.4 mil.), water supply percentage is only 30% at present and it is expected to start Urban Water Supply Project in early stage.</p> <p>(FY 1997 Domestic Survey) Ministry of Public Works submitted a request to BAPENAS. Whether Indonesian side will request for loan or grant aid is not clear.</p> <p>(FY 1997 Overseas Survey) Implementation of the project is delayed because there are other projects with higher priority to request OECF loan.</p> <p>(FY 1998 Domestic Survey) Although Ministry of Public Works submitted request for OECF loan to BAPENAS, implementation of the project is delayed because there are other projects with higher priority to request OECF loan.</p> <p>(FY 2000 Overseas Survey) Riau Province has a strong intention to implement the priority projects proposed in the Study utilizing JBIC loan.</p> <p>(FY 2001 Domestic Survey) Among the projects, the Development of Kampar River included the plan to conduct water to Singapore on the finding background. Recently, they launched the studies to plan phase I to conduct water from Bintang Island and phase II to conduct water from Kampar River in order to build up projects under the private funds.</p> <p>(FY 2001 Overseas Survey) Yen Loan is not requested.</p> <p>(FY 2005 Domestic Survey) Request has been made for the Yen loan corresponding to frequent occurrence of floods. However, implementation of the project is difficult where the state possesses abundant resources.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 225/95

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Waste Water Disposal and Solid Waste Management for the City of Ujung Pandang		
3. SECTOR	Public Utilities / Urban Sanitation		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI) Yachiyo Engineering Co., Ltd.		
7. STUDY PERIOD	Jun.1994 ~ Mar.1996 21month(s) ~		
8. SITE OR AREA	Ujung Pandang City		
9. MAJOR PROPOSED PROJECT(S)			
	Sewage	Garbage	
M/P	1. Public Toilet maintenance 2. Vacuum car maintenance 3. Modulation system maintenance 4. Sewerage maintenance	1. Garbage truck maintenance 2. Road, drainage canal cleaning 3. Final Disposal plant maintenance 4. Branch office maintenance	
F/S	1. Public toilet mending, maintenance 2. Vacuum car maintenance 3. Access road to urine disposal 4. Modulation system maintenance 5. Sewerage maintenance	1. as above 2. as above 3. as above	
<p>*In the sections "2.PROJECT COST" and "4.FEASIBILITY AND ITS ASSUMPTION", 1)indicates those of Sewage Project and 2)indicates those of Garbage Project in either section. However, 3)in "2.F/S" is that of Alternative Plan of Sewage Project and 3)in "4.EIRR" is that of a whole project.</p>			

ウジェンパンダン環境衛生整備計画(契約変更分)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1997 Overseas Survey)

It seems that request for OECF loan for solid waste disposal will be submitted (information from Consulate in Ujungpandang). Ministry of Public Works is negative to implement sewerage project due to an enormous amount of investment.

(FY 1998 Domestic Survey)

It seems to be difficult to implement the proposed projects immediately, considering the present financial situation of Indonesia. However, the City of Ujung Pandang is planning to implement the integrated project including both sewage and garbage projects.

(FY 2001 Domestic Survey)

It is not approved, although the yen loan has been requested continuously with the high priority (5 or the 6th) from the Indonesian government to the Japanese government.

Contents of the request:

Name of the project: Urban Infrastructure Improvement of the City Madkssar

Source of finance: JBIC

Amount: 208 Billion Rupee (about 3 billion Yen)

(FY 2001 Overseas Survey)

The Government of Indonesia has submitted the proposal project for JBIC Loan since 1999. In 2000, the proposal projects for foreign aid was submitted through Blue Book Bappenas, however, the title project of "Wastewater Disposal and Solid Waste Management for the City of Ujung Pandang" has been changed into "Urban Infrastructure Improvement in the City of Makasar Surrounding."

The Fact Finding Mission from JBIC Tokyo has already visited Indonesia and discussed it with the Indonesia Government's staff in July 2000.

Local Government of Makasar Municipality has guaranteed to provide the local budget.

(FY 2005 Domestic Survey) (FY 2005 Overseas Survey)

Target area of the study is the tenth one million population city (as of 1995), which devastating living condition has not been improved since the time of study. Thus, need for sewage development and waste water treatment sill believes to have high priority. However, historical study focusing on project implementation would be effective, concerning fiscal, administrative, and social changes occurred in last 10 years after the study.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 317/95

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Gilirang Irrigation Project	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Public Works
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Feb.1994 ~ Mar.1995 13month(s) ~	
8. SITE OR AREA	South Sulawesi State Wajo Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>1. Agricultural Infrastructure Improvement: Paselloreng Dam Construction (Rock fill Dam, EL, 56,5m length 230.0m), Main canal (47.5km), Secondary Canal (14km), Main drainage canal (57.2km), Rural road and road for management (112.2km), and Tip System 139.</p> <p>2. Pump: 41 pumps</p> <p>*Imp.Period: 6years</p>		

ギリラン灌漑計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Subsequent Study:

(FY 1997 Domestic Survey)

Jan.28.1998 L/A 617 mil.Yen (Gilirang Irrigation Project E/S)

(FY 2000 Overseas Survey)

Gilirang Irrigation Project E/S started in May 1999 and is expected to be completed by August 2001.

(FY 2001 Domestic Survey)

Gilirang Irrigation Project E/S was completed as scheduled. The contents of Study are as follows:

- 1) Direction and supervision of the chorography, land survey, geological survey and hydraulics model test
- 2) Additional correction and analysis renewal of the hydraulic data and agro-economy data
- 3) Detailed Design of the Dam, head works, main drainage canal, incidental facilities, road network, office and accommodations
- 4) Estimation of the construction cost, provision of the construction plan and work schedule
- 5) Provision of the design criteria
- 6) Discussion and drafting of the management system and provision of the O&M manual(draft)
- 7) Decision of the site and etc.

*Contents:

(FY 1998 Domestic Survey)

Engineering services (E/S) (detailed design for the proposed dam, irrigation and drainage system for 6,500ha in the Gilirang Irrigation Project area).

(FY 2000 Overseas Survey)

Consulting services for D/D of irrigation and drainage system consisting of the following structures; Paselloreng Dam, Gilirang intake weir, Main and secondary irrigation canals and related structures/roads, Main and secondary drains and related structures, and Office.

Progress situation:

(FY 1997 Overseas Survey)

A consulting firm for E/S is to be selected in May 1998. Construction will be started after the completion of E/S.

Finance:

(FY 2000 Overseas Survey)

After the completion of E/S, the request of JBIC loan for construction is planning to be submitted.

(FY 2001 Overseas Survey)

The E/S was completed in Aug. 2001 and the request of JBIC loan for construction planning is to be submitted.

Amount of requested fund is Rp. 543,430,936,000 and about eight years will be needed for the implementation of the whole project works. The major proposed project for construction of Gilirang Irrigation Project consists of the following works.

- a. Construction of Paselloreng Dam: Main Dam, Saddle Dam, Diversion Tunnel, Cofferdam, Spillway, Intake Facilities, Outlet Works, Roads.
- b. Construction of Gilirang Headworks: Coupure Canal, Weir, Intake Structure, Link Canal, Feeder Canal, Closure Dike
- c. Construction of Gilirang Left Main Canal System: Primary Irrigation Canal System, Secondary Irrigation Canal, Primary Drainage Canal, Secondary Drainage Canal, Farm Road.
- d. Construction of Gilirang Right Main Canal System: Primary Irrigation Canal System.

Operation & Management after the implementation:

Provincial office will be in charge of maintaining/operating the facilities after the construction. The responsibility of operating/managing the end irrigation facilities will be gradually transferred from the provincial office to the water users' association organized by farmers.

Background:

(FY 1996 Domestic Survey)

The Govt. of Indonesia (Ministry of Public Works) is preparing for formal request for Japanese Loan.

(FY 2005 Domestic Survey)

E/S of the detailed design has been completed. Although the project is highly prioritised within water resource and irrigation sector for the Yen Loan in Indonesian government, request has not yet been made due to internal coordination.

(FY 2005 Overseas survey)

With the current social and economic situations, agricultural sector requires serious efforts from the government to ensure food security by developing irrigations such as Gilirang.

Although the government needs to develop irrigations other than Java to meet rapidly increasing food demands (especially rice), possible areas to develop are scarce. Within these scarce areas, Gilirang is identified as one of the possible place compared with average land size.

The Governor of Slawesi and the congress have already appealed to the Ministry of Public Works, whom shown their efforts to acquire the land needed.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 101/96

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Third Umbrella Cooperation for Integrated Agricultural and Rural Development		
3. SECTOR	Agriculture / (Agriculture in) General		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI) Overseas Merchandise Inspection Co., Ltd.		
7. STUDY PERIOD	Feb.1996 ~ Jun.1996 4month(s) ~		
8. SITE OR AREA	South Sulawesi, West Nusa Tenggara, South Kalimantan & West Java		
9. MAJOR PROPOSED PROJECT(S)			
<p>86 agricultural development projects to be studied under the Japanese Government Assistants in coming 5 years, are selected. They are consist of 56 regional (representative provinces of different agro-eco system) and 30 central project.</p> <p>The selection was made based on the scale of Japanese ODA for Indonesia and the priority of each project.</p>			

アンブレラ協力計画策定

PRESENT STATUS	<p style="text-align: center;">In Progress or In Use</p> <p style="text-align: center;">Delayed</p> <p style="text-align: center;">Discontinued</p>
<p>Description :</p> <p>(FY 1997 Domestic Survey) The proposed projects in the study are not officially requested to Japanese side on schedule. It might be caused by the lack of importance of the study and political obstacles in Indonesian side. Therefore it is difficult to say the study results are effectively implemented.</p> <p>Situation of request: (FY 1998 Domestic Survey) Although the following schemes have been requested as umbrella cooperation, they have not been approved. 1) Training center for the emigrants (a grant aid assistance project) It was requested in April 1996, however, not approved since Japanese government has the policy not to provide assistance to migration policy. 2) Project-type cooperation on extension and training, and West Nusa Tenggara Extension & Training Center (grant aid assistance projects) Although consultants for B/D were selected in Feb. 1998, its implementation was postponed indefinitely due to the political instability. 3) Study on West Java Highland Irrigation (development study) Although S/W was prepared in Aug. 1998, its implementation was also postponed indefinitely due to the political instability. * Funds such as umbrella cooperation have not been provided.</p> <p>(FY 1998 Domestic Survey) Umbrella cooperation was started in Dec. 1995 and is to be completed in Sep. 2000. However, it is difficult to coordinate among the organizations concerned, a counterpart (BAPAENAS) and the implementing agencies (Ministry of Agriculture, Ministry of Public Works, Ministry of Cooperatives, and Ministry of Migration). Considering the imbalance between the project target areas (South Sulawesi, South Kalimantan, West Nusa Tenggara, and West Java) and other areas, it has become difficult to realize the projects. In addition, food shortage has been appeared in Indonesia, and the idea of umbrella cooperation has been out of the present situation of Indonesia. Since the government of Indonesia strongly desires the urgent assistance for increased production of food, they give lower priority to umbrella cooperation projects. Both Indonesian and Japanese sides concluded that they should be free from the idea of umbrella cooperation.</p> <p>Others: (FY 1998 Domestic Survey) It was possible to set the concrete objectives in the first and second former umbrella cooperation (first: increased production of rice; and second: increased production of other major crops). However, it is questionable whether the idea and objective of the third one, that is improvement of farmers' living, reflect the actual situation of Indonesia.</p> <p>Related Projects: 1. Dairy Technology Improvement Project 2. Integrated Development Project for Rural Cooperative 3. Improvement in Quality of the Tropical Fruits</p>	

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 203/96

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Comprehensive River Water Management Plan in JABOTABEK		
3. SECTOR	Social Infrastructure / River & Erosion Control		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	DGWR	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	NIKKEN Consultants, Inc. Nippon Koei Co., Ltd.		
7. STUDY PERIOD	Jun.1995 ~ Mar.1997 21month(s) ~		
8. SITE OR AREA	Metropolitan are surrounding DKI Jakarta (Jabotabek area)		
9. MAJOR PROPOSED PROJECT(S)			
<M/P>			
1. Western Banjir Canal and Cisadane River system including new construction of Ciliwung Floodway Tunnel.			
2. Eastern Banjir Canal system.			
3. Cengkareng Floodway system.			
4. CBL Floodway system.			
<F/S>			
Western Banjir Canal and Cisadane River system including new construction of Ciliwung Floodway Tunnel.			
[Project Cost]			
<M/P> 1. 336,000			
2. 846,000			
3. 376,000			
4. 96,000			
<F/S> see above			
[Imp. Period]			
<M/P> 1. 1997~2011 2. 2003~2017 3. 2011~2025 4. 2013~2019			
<F/S> 1997~2008			

ジャボタベック総合水管理計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>Finance: (FY 1998 Domestic Survey) 28 Jan. 1998 L/A 17,326 mil. yen ("Ciliwung-Cisadane River Flood Control Project (I)") *Contents: - Construction of a bypass floodway in Bogor from the upper Ciliwung River to the Cisadane River. - A riverbank Reinforcement (Length: 15km) on the lower Cisadane River. - Consulting services.</p> <p>Construction : (FY 1998 Domestic Survey)(FY 1999 Domestic Survey) D/D will be started in March 1999 and will be completed in April 2000. Construction period: Mar. 1999 ~ Jan.2005. (FY 2000 Overseas Survey) The process of construction is suspended due to social problem in the Tangerang area.</p> <p>Background: (FY 1997 Domestic Survey) In January 1996, DKI Jakarta and its surrounding area suffered from serious flood damage. The flood was caused by heavy rainfall in the mountainous area, the upstream basin of the Ciliwung river. About 60,000 houses were inundated and 10 people were killed by the flood. In February 1996, heavy local rainfall and the subsequent flood attacked Jakarta again. About 92,000 houses were inundated and 20 people were killed by the flood. Under the above-mentioned circumstances, the urgent flood control scheme, proposed in this study, was adopted as the project financed by Japanese Yen Loan through the CGI (Consultative Group of Indonesia) conference in July 1997. The project includes detailed design, construction and construction supervision. As of November 1997, procedure for procurement of the consulting services (D/D & CS) is underway.</p> <p>(FY 2002 Domestic Survey) (FY 2002 Overseas Survey) It is concluded that the prompt implementation of the project for original plan is considerably difficult and even though it is not impossible, it takes long time to obtain the consent among the parties concerned for this project. Considering political, social and economic damage in Jakarta accompanied by the recent floods, countermeasures should be taken immediately, under the condition that the schemes of original plan to construct floodway tunnel and new idea to construct two reservoirs are remained as they are. The Ministry decided to implement the urgent works changing the scope of works to the following ones within the same scheme of the original plan that is being identified in the feasibility study in 1997. 1) the Ciliwung River: the channel improvement of the Western Banjir Canal that was originally to be carried out in phase 2 works of the first stage, is shifted to urgent works to be implemented immediately, in the present available river area without additional land acquisition. 2) the Cisadane River: rehabilitation of the Pasar Baru Barrage and other related works are carried out considering that the lower Cisadane have been frequently damaged by the floods, although additional floodwater is not diverted to the Cisadane River because of postponement of construction of floodway tunnel. JBIC shall send a questionnaire on change of scope of the project to DGWR in Jan 2003 and subsequently, dispatch a mini-appraisal mission. In March 2003, after the discussion between JBIC and DGWR through the mission, it is expected that JBIC conclude to settle the matter.</p>		

STUDY SUMMARY SHEET

(D/D)

ASE IDN/S 401/96

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Medan Flood Control Project	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	D/D	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	Medan Flood Control and Coastal Protection Project Office, Directorate General of Water Resources, Ministry of Settlement and Regional Development
6. CONSULTANT(S)	CTI Engineering Co., Ltd.	
7. STUDY PERIOD	Mar.1994 ~ Sep.1996 30month(s) ~	
8. SITE OR AREA	Percut and Deli River Basin (544km ²)	
9. MAJOR PROPOSED PROJECT(S)		
Improvement of Percut River, Deli River and construction of Medan Floodway including diversion works.		
[Imp. Period] 2 years and a half.		

メダン市洪水防御計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Finance:

(FY 1998 Domestic Survey)

28 Jan. 1998 L/A 9,697 mil.yen ("Medan Flood Control Project")

*Contents

- Riverbank reinforcement (Length: 30km) on the Percut River and the upper the Deli River.
- Construction of bypass floodway (Length: 4km).

Construction:

(FY 2001 Domestic Survey)(FY 2002 Overseas Survey)

1) Riverbank reinforcement on the Percut River (Medan Flood Control Project)

Period:

Package 1: 20 months from Dec.2000 (23.4% completed as of Dec.2002, planned completion: Jan. 2004)

Package 2: 20 months from Dec.2000 (36.1% completed as of Dec.2002, planned completion: Nov. 2003)

Package 3: 27 months from Dec.2000 (29.7% completed as of Dec.2002, planned completion: Apr. 2004)

Package 4: 27 months from Dec.2000 (21.0% completed as of Dec.2002, planned completion: Jan. 2004)

Contents:

Package 1: Riverbank reinforcement on the Percut River (include the appurtenant work at the lowest part: about 5 km)

Package 2: Riverbank reinforcement on the Percut River (include the appurtenant work at the upper part of Package 1: about 8.2 km)

Package 3: Riverbank reinforcement on the Percut River (include the appurtenant work at the upper part of Package 2: about 7.6 km)

Package 4: Riverbank reinforcement on the Percut River (include the appurtenant work at the upper part of Package 3: about 6.3 km)

Situation:

All the constructions are in delay because of the expropriation of land and the ability of contractor.

(FY 2001 Overseas Survey)

At present, cleaning and grubbing works are almost completed for the most part of the improvement stretch except the portions where land acquisition is not progressing. The earth works such as river excavation and dike embankment are also on going. For the structure works, the Contractors area now preparing working drawing.

(FY 2002 Domestic Survey)(FY 2002 Overseas Survey)

Period: Dec.2000 ~ Jun.2004

The construction works are behind the original schedule due to the difficulty and the delay of land acquisition procedure and serious social problems encountered at some locations of the project area.

2) Construction of bypass floodway and riverbank reinforcement on the Deli River (Medan Flood Control Project)

Period: Starting timing is not yet decided.

Package 5: 20 months (0% completed as of Dec.2002, planned completion: Jan. 2005)

Package 6: 20 months (0% completed as of Dec.2002, planned completion: Jan. 2005)

Package 7: 27 months (0% completed as of Dec.2002, planned completion: Jan. 2005)

Contents:

Package 5: Construction of bypass floodway (include the appurtenant work about 2.7 km)

Package 6: Construction of bypass floodway (include the appurtenant work about 1.0 km)

Package 7: Construction of bypass floodway (include the appurtenant work about 0.5 km)

Riverbank reinforcement on the Deli River (include the appurtenant work about 1.5 km)

Situation: All constructions cannot be started because of the expropriation of land.

* This Project were divided into 7 Packages like the riverbank reinforcement on the Percut River from Package 1 to 4, the construction of bypass floodway from Package 5 to 7 and the riverbank reinforcement on the Deli River (included to Package 7). Out of these Packages, although the Packages 1 ~ 4 have started, the Packages 5 ~ 7 have not started yet because of the expropriation of land at the time of Nov.2000.

(FY 2001 Overseas Survey)

The contract is divided into seven packages, among the package, four packages (Package 1-4) were concluded in Oct. 2000 and the construction works for the packages were commenced in Dec. 2000. While the tendering process for contract packages No.5-7 has been suspended because of the land acquisition problem as of Nov. 2001.

(FY 2002 Domestic Survey)(FY 2002 Overseas Survey)

Period: Aug. 2003~ Jan.2005

The tendering process for contract Packages No. 5 -No.7 has been still suspended as of Dec.2002. The project Office has been exerting all the efforts in land acquisition and compensation works aiming at commencing the construction works in the middle of year 2003.

Effect:

(FY 1998 Domestic Survey)

The project aims to contribute to socioeconomic development and stability of people's living by reducing flood damage.

Backgrounds:

(FY 1997 Domestic Survey)

The construction works of the Project was requested for 1997 OECF Loan. The loan appraisal was succeeded in March 1997 and the loan was pledged in October 1997. The Ministry of Public Works is now carrying out the procurement of the consultant.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 102/97

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Integrated Air Quality Management for Jakarta Metropolitan Area		
3. SECTOR	Administration / Environmental Problems		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY	Ministry of Environment	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Research, Analysis and Computing		
7. STUDY PERIOD	Nov.1994 ~ Nov.1997 36month(s) ~		
8. SITE OR AREA	Jabotabek Area extending over DKI Jakarta, Bogor, Tangerang and Bekasi (6,070km ² in total)		
9. MAJOR PROPOSED PROJECT(S)			
<p>1. Strengthening of Ambient Air Monitoring System (Planned project cost: US\$ 8.65 million, Local cost: 17.3 billion Rp.): 19 additional ambient air monitoring stations need to be established for implementation of this project.</p> <p>2. Preparation of Stationary Source Inventory (Planned project cost: US\$ 820,000 million, Local cost: 1.6 billion Rp.): Preparation of stationary source inventory in order to inspect factories and to decide kinds of industries to be specified by the emission standard decree.</p> <p>3. Preparation of Mobile Source Inventory in Jabotabek (Planned project cost: US\$ 4.4 million, Local cost: 8.85 billion Rp.) : Introduction of a new set of chassis dynamometer system to be used for clarification of emission gas situation of running vehicles.</p>			

ジャカルタ市大気汚染総合対策計画調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

1.Strengthening of Ambient Air Monitoring System

Contents:

(FY 2000 Domestic Survey)

To establish the system enable the continuous ambient air monitoring with developing the ambient air monitoring system in Jakarta Metropolitan Area including the 25(existing 6, new 19) monitoring stations.

Organization:

(FY 2000 Domestic Survey)

BAPEDAL and the local governmental offices in Jakarta Metropolitan Area (Jakarta Raya, Bogor, Tangerang, Bekasi)

Progress Situation:

(FY 1999 Overseas Survey)

BAPEDAL has already developed the ambient air monitoring system for 10 cities.

(FY 2001 Domestic Survey)

1.Unloading of gasoline is advanced in Jakarta.

2.The monitoring of the environmental atmosphere was strengthened with the assistance by Australia.

3.The measure against air pollution by ADB was started. The contents of enforcement are as follows.

-- Spread of LNG as a fuel in the public transportation and the infrastructure building for it.

-- The exhaust gas improvement from the fixed emission sources by the use of clean energy and improvement of fuel.

Japanese Technical Cooperation :

(FY 2002 Domestic Survey)

Project-type cooperation has launched, and technology transfer on monitoring air pollution will be implemented through EMC

Impacts:

(FY 2000 Domestic Survey)

(1) Improvement of the ambient air monitoring method and the evaluation system in the local governmental office in Jakarta Metropolitan Area

(2) Development of the evaluation method for the environmental influence by the BAPEDAL and other governmental offices.

(3) Unification of the environmental information belonging to the each governmental office

(4) Model case for the other industrial area in Indonesia

(FY 2002 Overseas Survey)

BAPEDAL has been merged with Ministry of Environment (MOE) in Jan. 2002, and MOE took over the duties a Network of Ambient Quality Monitoring Stations developed by the assistance of Austrian Government. A lot of data are being collected by MOE through this Network. It is expected that MOE will utilize these data for taking action to improve air pollution in Jakarta Metropolitan Area.

2.Preparation of Stationary Source Inventory

(FY 1999 Overseas Survey)

It will be postponed until the year around 2001.

(FY 2000 Domestic Survey)

No information.

(FY 2001 Domestic Survey)

It is not progressed well.

(FY 2001 Overseas Survey)

The following activities were implemented.

- Increasing of supporting technical assistance for certain industries, especially for industries that have ISO 14000 certificate, or those are still in the certification process.

- Inventory for specific industry for developing the emission standard.

3.Preparation of Mobile Source Inventory in Jabotabek

(FY 1999 Overseas Survey)

It will be postponed until the year around 2001.

(FY 2000 Domestic Survey)

No information.

(FY 2001 Domestic Survey)

It is not progressed well because the chassis dynamometer has not been provided yet due to its high price.

(FY 2001 Overseas Survey)

- Stipulation of emission standard for new vehicles still on the process. The emission standard for each vehicles category is already set-up.

- Indonesia government developed a forum namely Mitra Emisi Bersih (MEB), that consist of government, local government, NGO, and other stake holders. The aim of this forum is to formulate the strategy and countermeasure to reduce air pollution especially from mobile sources.

- Increasing the public awareness to inspect and maintenance their vehicles.

- The procurement of a chassis dynamometer for measuring emission is not yet done.

Background:

(FY 1998 Domestic Survey)

It is difficult to proceed the recommended projects due to the economic deterioration in Indonesia after the completion of the study.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 204/97

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Flood Control for Ambon and Pasahari Area		
3. SECTOR	Social Infrastructure / River & Erosion Control		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd.		
7. STUDY PERIOD	Oct.1996 ~ Jan.1998 15month(s) ~		
8. SITE OR AREA	Urban Center of Ambon City in Maluku Province.		
9. MAJOR PROPOSED PROJECT(S)			
(M/P)			
Ruhu River (River Improvement, Multi-purpose Dam, Check dam)			
Batu Merah River (River Improvement, Diversion Channel)			
Tomu River (River Improvement, Check dam)			
Batu Gantung River (River Improvement, Multi-purpose Dam, Check dam)			
Batu Gajah River (River Improvement, Multi-purpose Dam, Check dam)			
(F/S)			
Same as the above but excluding the Ruhu Multi-purpose Dam Project.			
[Imp.period]			
(M/P) 1998~2012			
(F/S) 1998~2007			

アンボン及びパサハリ地区洪水対策計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1998 Domestic Survey)

The government of Maluku Province and Ambon City have strongly desired the implementation of the priority projects. The government of Maluku Province, who was the chairman of the stirring committee, petitioned the Ministry of Public Works for implementation in economical cooperation with the Government of Japan. It is informed that the minister instructed to put this project on the list (Blue Book as a common name) of projects in 1999/2000.

(FY 1999 Domestic Survey)

The project has already been booked on the list(Blue Book) for 1999/2000. However, due to the continued religious conflict in the relevant region, the request for Japan's economic cooperation has not been submitted yet.

(FY 1999 Overseas Survey)

No information.

(FY 2001 Domestic Survey)

Although the central and provincial governments have been demanding the implementation of the proposed projects under the Study, there has not been any concrete progress due to the political instability in Maluku Province and Ambon City.

(FY 2001 Overseas Survey)

The request for Japan's economic cooperation has not been submitted yet.

(FY 2002 Domestic Survey)

Constraints- deterioration of security Feasibility of the prospects: the project aims at carried forward operation within 1-2 years. It is essential for gov. of Indonesia to restore Ambon City, capital of Maluku Province. If the present status continues, the project can be hardly been restarted. Religious conflicts has become on the decline. The Study recommends strengthening countermeasures against flood and water resource management as priority project. Considering the damages of the city, it is favorable to conduct JICA's Development Study and Special Assistance Facility to facilitate project implementation.

(FY 2002 Overseas Survey)

Feb. 2002, the peace agreement meeting of social conflict in Maluku Province including Ambon city was held in Malino City. Since the security situation in the area concerned is being better and better in recent.

Jan. 2003, the SDA-WILAYAH TIMUR submitted the project proposal ('Ambon Integrated Water Resources Development Project') to the BINTEK-SDA. The SDA-WILAYAH TIMUR plans to request the authorities concerned in the Maluku Province, sending letter to the Ambassador of Japan regarding with the latest security situation in the proposed area, and requesting assistance to implement the proposed project under the Japanese economic cooperation.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 205/97

1. COUNTRY	Indonesia		
2. NAME OF STUDY	The Revise of Jakarta Water Supply Development Project		
3. SECTOR	Public Utilities / Water Supply		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Nihon Suido Consultants Co., Ltd. Nippon Koei Co., Ltd.		
7. STUDY PERIOD	Jul.1995 ~ May.1997 22month(s) ~		
8. SITE OR AREA	DKI Jakarta and 17 fringe Kecamatans which are sharing their boundaries with DKI Jakarta.		
9. MAJOR PROPOSED PROJECT(S)			
<p>(M/P) Target year of the Master Plan is Year 2019 up to the end of the M/P for the proposed project 5.</p> <ol style="list-style-type: none"> 1. Buaran III Treatment Plant, R1 II Distribution Center, R6 I Distribution Center, Treated Water Transmission R1-R6 2. New East Treatment Plant I, R4 II Distribution Center, R5 II Distribution Center, Treated Water Transmission (East TP-R4), Raw Water Transmission Pump Station, Raw Water Transmission to East TP 3. Cisadane Treatment Plant II, R1 III Distribution Center, R3 I Distribution Center, R4 III Distribution Center, Treated Water Transmission (Cisadane TP-R4, East TP-R6) 4. New East Treatment Plant II, R3 II Distribution Center, R4 IV Distribution Center, R6 I Distribution Center, Treated Water Transmission (East TP-R4) 5. Cisadane Treatment Plant III, R3 II Distribution Center, R4 IV Distribution Center, <p>(F/S) Target year of the Feasibility Study is Year 2008 up to the end of the F/S for the proposed project 2.</p> <ol style="list-style-type: none"> 1. Buaran III Treatment Plant, Distribution Center R1 II, Distribution Center R6 I, Treated Water Transmission Main R1-R6, Primary Mains, Service Mains 2. Cipayung Treatment Plant, Distribution Center R4 II, Distribution Center R5 II, Raw Water Transmission Pipeline, Treated Water Transmission Pipeline R5, R4, Primary Mains, Service Mains 			

ジャカルタ市水道整備計画(見直し)調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1998 Domestic Survey)

Government of Indonesia established its policy that improvement of Jakarta water supply system should be implemented by private sector. Private sector will be responsible for planning, investment, construction, operation, and maintenance. This JICA Study was conducted based on this policy and outcome of the Study will be a guideline for PAM JAYA which will supervise performance of the private sector.

At the final stage of the Study, contract documents between PAM JAYA and 2 private consortia were finalized and the rights of operation and management of the water supply system were transferred to the private consortia from this February 2, 1998.

The private consortia which are in charge of implementing the project no longer take into account the plan of Buaran III WTP, Cisadane II WTP and new WTP I & II in eastern part area.

(FY 1999 Domestic Survey)

The projects by the private sector have been suspended due to the confusion caused by the overthrow of President Soeharto's regime. There has not been any progress in the water supply project. However, development of the water distribution pipes is on-going.

(FY 1999 Overseas Survey)

There is no significant progress of new WTP construction, except the up-grading of Cilandak WTP production capacity from 200 l/s to 400 l/s.

(FY 2001 Domestic Survey)

The water project has been developing because of the entry of the English and French business entity into the public enterprise for the private sector.

(FY 2001 Overseas Survey)

The status of cooperation between PAM JAYA and private sector is still on-going, even though it was not significant on the start of the cooperation. This happens due to the political transition period and economic crisis. However, in the period of 5 years cooperation (until the end 2002), the private sector has to achieve the following targets.

Coverage ratio:	East Sector 62%,	West Sector 45%
UFW	East Sector 43.03%	West Sector 47.72%
Connection	East Sector 335,423	West Sector 301,048
Solid Water Volume	East Sector 131.32 million m ³ /year	West Sector 118.73 million m ³ /year

Target of the water distribution pipes until 2002.

East Sector

Trunk main pipe and valve rehabilitaion	2001: 4,000m	2002: 4,000m
Network	Extension	2001: 75,000m
	Rehabilitation	2001: 80,000m
		2002: 80,000m

West Sector

Transmission and trunk main:		
	Extension	2001: 5,000m
	Rehabilitaion	2001: 500m
		2002: 1,000m
Network	Extension	2001: 55,000m
	Rehabilitation	2001: 100,000m
		2002: 100,000m

(FY 2003 Domestic Survey)

At present, improvement and operation of the water supply facilities, which is a part of the project proposed in this study, have been implemented by the private sector.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 206/97

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Arterial Road System Development in Surabaya Metropolitan Area	
3. SECTOR	Transportation / Road	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	BINA MARGA/ BAPPEDA
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) Yachiyo Engineering Co., Ltd.	
7. STUDY PERIOD	Jan.1996 ~ Aug.1997 19month(s) ~	
8. SITE OR AREA	Surabaya Metropolitan Area	
9. MAJOR PROPOSED PROJECT(S)		
<p>(M/P) Total Length : 840 km (Road Development/Improvement)</p> <p>(F/S) Route 1: Toll Road 15.5km Arterial Road 20.8 km Route 2: Arterial Road 13.3 km Route 3: Arterial Road 9.9 km Route 4: Arterial Road 27.6 km Route 5: Arterial Road 22.6 km</p> <p>[Imp. Period] (M/P) Total Period 20 Years (Repelita VII to Repelita X). (F/S) 1998~2003 Design 1 year Land Acquisition 2 years Construction 3 years</p>		

スラバヤ都市圏幹線道路網整備計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 1998 Domestic Survey) There is no concrete information since this study was completed short time ago. However, it seems that some action based on the results of this study will be taken for developing the arterial road necessary for development in Surabaya Metropolitan Area.</p> <p>(FY 2001 Domestic Survey) Surabaya arterial road rehabilitation has not been progressed due to the lack of budget for infrastructure improvement since the economic crisis in 1997 like the other Southeast Asian countries.</p> <p>(FY 2001 Overseas Survey) According to the Indonesian laws and regulations, Environmental Impact Assesment (AMDAL) was conducteid and no significant negative impact was identified, if the resettlement issue is solved properly. Based in teh home interview survey, about 50 to 90% of the sample households agreed on the project, provided that they were paid at the market price for the land acquisition and compensation.</p> <p>(FY 2002 Domestic Survey) Since the Asian economic crisis in 1997, expressway construction in Surabaya City has halted. In the evolution of decentralization, Eastern Jawa Province has shifted is priority from Northern and Central Corridors to Southern Corridor, poor region. Therefore, current development budget centers on rehabilitation projects of local railways in the Southern region rather than developing urban arterial highway, which underpins industrial development. Therefore, the proposed projects in metropolitan area are hard to implement without the city's initiative. Moreover, private sector recovery is essential for implementing expressway construction. The feasibility of the projects is dependent on whether the city can budget for land acquisition.</p> <p>(FY 2002 Overseas Survey) The project implementation plan is being prepared to obtain resources of fund from international donor. The proposed project has not been progresses due to lack of specific implementation schedule.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 309/97

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Social Forestry Development Project in the Upper Musi Watershed	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	RLR, Ministry of Forestry
	PRESENT COUNTERPART AGENCY	RLPS, Ministry of Forestry
6. CONSULTANT(S)	Japan Forest Technical Association Asia Air Survey Co., Ltd.	
7. STUDY PERIOD	Feb.1996 ~ Mar.1998 25month(s) ~	
8. SITE OR AREA	Approximately 50,000ha Kec. Curup and Kec. Kepahiang, Keb. Rejang Lebong, Propinsi Bengkulu	
9. MAJOR PROPOSED PROJECT(S)	<p>Participatory rehabilitation, Participatory border tree planting, Agroforestry complex development, Conservation planting development, Dry crop field improvement, Construction of Check dams, Riparian afforestation, New road construction, Extension and training activities.</p> <p>(Imp. period) 7 years</p>	

ムシ川上流地域社会林業開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

Finance:

(FY 1998 Domestic Survey)

Ministry of Forestry puts this project on the list of the request for Japanese yen loan.

(FY 1999 Domestic Survey)

The request for ODA loan has not been submitted.

(FY 1999 Overseas Survey)

OECD Sector Project Loan(SPL) 11,053 mil. RP.

*Contents: Construction of forest road, Seedling production, Plantation establishment, Institutional strengthening, Procurement of vehicle, Monitoring

Construction:

(FY 1999 Overseas Survey)

Jan.2000 Commenced

Nov.2000 Completion(scheduled)

(FY 2001 Overseas Survey)

The project has been completed on schedule. This project financed by OECD and the area was 2000 hectare in 2 district i.e. kepahyang district, Tebat Monok village, Kelilik village, Air Selimang village, Tanjung Alam village, Hujan Mas village, Curup district, Air Lanang village.

Impact:

(FY 2001 Overseas Survey)

The society especially the member of farmer group surrounding the forest which planted with MPTS are happy to and they aware not to cut the tree.

(FY 2002 Overseas Survey)

A quick monitoring study may need to be conducted, however, the monitoring through the ministries generally become more and more difficult due to the decentralization.

STUDY SUMMARY SHEET

(D/D)

ASE IDN/S 402/97

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Detailed Design for Urban Drainage Project in the City of Jakarta		
3. SECTOR	Public Utilities / Sewerage		
4. TYPE OF STUDY	D/D		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Nippon Koei Co., Ltd.		
7. STUDY PERIOD	Aug.1996 ~ Jan.1998 17month(s) ~		
8. SITE OR AREA	Cengkareng west area : 36.71km ² and Meruya area : 1.27km ²		
9. MAJOR PROPOSED PROJECT(S)			
Drainage Works in the Cengkareng West Area and Drainage Works in the Meruya Area. [Imp. Period] Seven Years			

ジャカルタ都市排水計画

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1998 Domestic Survey)

The Ministry of Public Works has intention to request the Japanese ODA Loan for implementation of the Project.
Cipta Karya, the implementing agency, also has strong intention to proceed the Project.

(FY 2000 Domestic Survey)

The Indonesian government has not submitted to request Japan's Yen Loan.

The consultant that conducted the D/D made a presentation about this project for the counterpart agency on Jan. 2000.

Though there is no prospect to acquire the land for the project, the small-scale construction is on-going with their fund.

(FY 2001 Domestic Survey)

1)The contents of small-scale construction on a local budget:

The contents of construction are the width extension of the intersection part of a drainage canal and a highway, and lot purchase of an illegal place-of-residence region. Although the width extension of an intersection part was completed mostly, illegal habitation residents' new address of lot buying over is not in prospect, and since a budget measure is also indefinite, it is 50% of progress situation.

2) Jakarta city drainage plan:

Although the presentation was carried out by the Indonesian side in Jan. 2000 and they wishes the project enforcement by Yen loan, for that, lot buying over must be performed on its own budget, and it is not in prospect.

(FY 2001 Overseas Survey)

1)The Government of Indonesia has submitted the proposal project for Japan ODA Loan on 1999 thought Blue Book Bappenas. However, the Government of Japan hasn't been responded of the proposal.

2)Jakarta City has already executed the small-scale construction by their budget.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 102/98

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Port Development Strategy	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication(DGSC), Ministry of Communications
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	Nov.1997 ~ Mar.1999 16month(s) ~	
8. SITE OR AREA	The entire country of Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>The port development strategy, which is composed of 3 main targets, was proposed as below:</p> <p>1.Strategy for Strengthening Port Development (1)Strategy for Port System (Policy for International Container Port, Policy for Conventional General Cargo Terminal, Policy for other Port Traffic Demand) (2)Future Port Hierarchy</p> <p>2.Strategy for Port Finance and Private Sector Participation (1)Strategy for Port Finance (2)Strategy for Port Tariff System (3)Strategy for Private Sector Participation</p> <p>3.Strategy for Effective Port Administration, Management and Operation (1)Administration and Management Policy (2)Formulation and Authorization System of Port Master Plan (3)Improvement of Port Operation (4)Environmental Consideration in Port Development and Use (5)Navigation Safety and Channel Maintenance (6)Staff Training System for Port Sector (7)Port Statistics</p>		

港湾整備長期政策調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 1999 Domestic Survey)

Long term port development strategy proposed in this study was originally scheduled to be included in the next five-year development plan "REPELITA VII" prepared by Indonesian Government. However, due to the economic crisis, the preparation of REPELITA VII has been suspended.

At present, under the new president, Indonesian Government gives first priority in carrying out "Urgent Plan for the Economic Recovery". Therefore, the preparation for REPELITA VII is expected to restart.

(FY 1999 Overseas Survey)

The study results are being discussed and considered between related agencies.

(FY 2000 Overseas Survey)

The status in FY 2000 is as follows.

1) Strategy for Strengthening Port Development:

Port infrastructure network is on the way. (port system)

2) Strategy for Effective Port Administration, Management and Operation.

As for administration and management policy, port regulation is on the way.

3) National Development Plan:

REPLITA VII was changed into PROPENAS (PROgram PEmbangunan NASional), 5 years development plan 2001-2005.

4) Subsequent Study:

A study on the development scheme for the principal river ports, which was recommended in the port development strategy will be started in early 2001.

(FY 2001 Domestic Survey)

Based on the suggested policy, "The Promotion of Local Administration to participate in the Port Administrative Management", they are discussing domestically on the ideal method for the local government how to participate in the maintenance and management of port. Furthermore, based on "The Development Policy of River and Port", "The Study on Development of river and Port in Indonesia" has been implementing by JICA as a subsequent study. Moreover, the port of Jakarta metropolitan area was evaluated as the most important port to support the economy of the country, and was proposed to be studied, therefore, the Development Study on "Development of Port in Jakarta Metropolitan Area" will be implemented from this FY.

(FY 2001 Domestic Survey)

1) Subsequent Study: The Study on Development of River and Port in Indonesia was started in February 2001.

2) The content of the Port Development Strategy has also been referred as a central government policy in order to establish container port network. Apart of strategy has been adopted in the new government regulation No. 69 of 2001 of Port Affairs.

(FY 2002 Domestic Survey)

Since Mar of 2001, the M/P and F/S of "Ports and Harbors Development for Jakarta Metropolitan Area" have been in practice.

(FY 2002 Overseas Survey)

"The Study on Development of River and Port in Indonesia" was conducted from February 2001 to March 2002. "The Study for Development of Greater Jakarta metropolitan Ports in Indonesia" has been implemented since May 2002 by JICA as an subsequent study.

Based on the proposed projects, the Ministry of Communication authorized the strategy for strengthening port development. The central government published "The National Port System, Decree KM53 of the Minister of Communication". For the strategy for effective port administration, management and operation, the DGSC formulated a draft Decree "Technical Guidelines on Port Master Plan" on September 2002.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 103/98

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Comprehensive Management Plan for the Water Resources of the Brantas River Basin	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development, Ministry of Public Works(DGWRD)
	PRESENT COUNTERPART AGENCY	Directorate General of Rural Development, Ministry of Settlement and Regional Infrastructure
6. CONSULTANT(S)	Nippon Koei Co., Ltd. NIKKEN Consultants, Inc.	
7. STUDY PERIOD	Feb.1997 ~ Nov.1998 21month(s) ~	
8. SITE OR AREA	Brantas River Basin in East Java	
9. MAJOR PROPOSED PROJECT(S)		
1.		Project Cost(US\$1,000)
(1)Dam construction for water supply: Beng Dam and others		286,260
(2)Countermeasures for sedimentation in the existing dams: Wlingi, Lodoyo, Sengguruh Dams(dredging)		190,489
(3)Flood control/FFWS: F/C project for Widas River, etc.		246,585
(4)Watershed management/Sabo works		231,892
(5)Water quality improvement		1,840
(6)River environment improvement		479
(7)Others		80,196
2.Strengthening of water resources management system		
3.Development of organization/management of PJI		

ブラントス川流域水資源総合管理計画調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

1.Pre-consolidation 3-year Program

(FY 1999 Domestic Survey)

Making an application for OECF loan which estimates about 2,000 million yen is being proposed.

(FY 2000 Overseas Survey)

Indonesian government applied JICA soft component grant aid for "Establishment of New Water Management System and Strengthening of Water Resources Management in the Brantas River Basin".

(FY 2001 Domestic Survey)

Although the request of JICA soft component grant aid was not adopted in FY2000, it will be requested again in FY2001.

Amount of request: 2.39 billion Yen

Contents of request:

1)Water management information system improvement in the Brantas River Basin (provision for the expansion and improvement of water management information system and existing telemeter system and etc.)

2)Strengthening of water management in the Brantas River Basin (institutional strengthening of the water management public corporation and etc.)

3)Urgent implementation of operation and management of river facilities in the Brantas River Basin (provision of dredging system, settlement on a plan of the earth and sand management in the river basin and etc.)

* The rehabilitation project by Yen loan expected in FY2001 like the KARANKATESU Dam and others has the engineering service which covers about half of the requested contents above like the provision of dredging system, settlement on a plan of the earth and sand management, institutional strengthening of the water management public corporation and etc.. In case this E/S is implemented, the request contents should be reviewed to avoid duplication.

(FY 2002 Overseas Survey)

The requested JICA Soft component grant aid has not been adopted as of Dec.2002.

Related project: Water Resources Existing Facilities Rehabilitation and Capacity Improvement Project

EN: 10 Oct. 2002 (14,696 mil. Yen)

Contents:

1) Strengthening of water management

2) Urgent implementation of O&M of river facilities in the Brantas River basin

It will be commenced from 2003.

2.Feasibility Study

(FY 1999 Domestic Survey)(FY 2000 Overseas Survey)

The F/S for the Beng Dam will be conducted expending the remaining loan of Wonorejo Dam Construction Project. F/S is expected to be commenced in the latter half of 2000.

(FY 2001 Domestic Survey)

The F/S was started from Sep.2001 as the additional works of the WHORUJU multi purpose dam project which is under construction. However, the dam for the Study was changed from Beng dam to Genteng dam due to the request of the government of Indonesia.

Name of project: Development Study on Water Resources in the Brantas River Basin

Period of Study: From Sep.2001 to Oct.2002

Contents of Study: F/S on the Genteng dam, Community development survey in the Trenggarek Area (Pre-F/S), D/D on the Smali Pond (more than 15 places), F/S on the KARANPIRAN water purification plant in Surabaya as the other component and the Study on capacity building of the Surabaya city water department will be implemented.

(FY 2002 Domestic Survey)

Period of Study: From Sep.2001 to Oct.2002

(FY 2002 Overseas Survey)

1) 'Joint Research on Development of Estimation Model for Interaction between Change in Society and Hydrological Cycle' has been commenced in the Brantas River basin as the model in the Asia monsoon area since Apr. 2002 with the Disaster Prevention Research Institute of Kyoto University.

2) 'Brantas River Water Quality Management Project' is ongoing to monitor the water quality in Brantas River basin since March 1999 by the technical assistance of Government of Austria.

(FY 2003 Domestic Survey)

Fund raising:

October 10, 2002 L/A 146.96 billion yen (Water Resource Existing Facilities Rehabilitation and Capacity Improvement Project)

* Project contents: Rehabilitation of existing water resources facilities

In addition to the above mentioned yen loan, there are other projects in progress on the basis of proposed projects such as Wonorejo Multipurpose Dam founded on yen loan likewise and projects founded on Australia government funds.

Construction:

July 2003 - 2009

Benefit effects:

Irrigation, stable provision of city water and industrial water, securing of security of river-crossing structures such as bridges and public disclosure of catchment basin information are included.

Technical cooperation of Japan:

(FY 2003 Domestic Survey)

Dispatch of Experts: 1999 -

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 104/98

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Development Study of Economic Model for Planning Exercises; Long Term Programming Model	
3. SECTOR	Development Plan / (Development Plan in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	BAPPENAS.
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Daiwa Institute of Research Ltd. Engineering Consulting Firms Association, Japan	
7. STUDY PERIOD	Aug.1995 ~ Aug.1998 36month(s) ~	
8. SITE OR AREA	Indonesia.	
9. MAJOR PROPOSED PROJECT(S)		
<p>Following issues were selected to be important:</p> <ol style="list-style-type: none"> 1. Balance of Payments and External Debt; 2. Industrial Development; 3. Resources and Energy; 4. Environment; and 5. Poverty Issue and Income Distribution. 		

長期開発計画推進のための経済モデル開発調査

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

(FY 1999 Domestic Survey)

It is difficult for IOPM to respond flexibly to the changes of outside environment. The demand for the formulation of a short-term projection model focusing the financial flow, in accordance with the real economy.

In this regard, a JICA expert, who had been dispatched for three years by Feb. 1999, was dispatched again in Jan.~ Feb. 2000. His mission was to maintain BAPPENAS-possessed three model such as the short-term projection mode, IMPM, CGE, as well as to grasp the future demand for the economic model necessary for the long-term national development plan.

(FY 1999 Overseas Survey)

At the beginning, this Study is supposed to prepare the model utilized for medium/long-term planning. However, the financial crisis changed the economic structure and influenced the result of projections. Since IOPM could not capture the financial phenomena and its impact, the quantitative projections were seemed too optimistic. If these models are utilized, it needs to revise their structures.

(FY 2002 Overseas Survey)

3 Long Term Experts on Economic Modeling (2000-2003)

11 Short Term Experts on Economic Modeling (2001, 2002)

Beneficial impact from the Experts

- 1) Improvement of evaluation of current economic situation and future forecast by using long term economic model together with capacity building of relevant government officials.
- 2) Analytical and quantitative long term planning exercises, which helps sustainable and well-balanced economic development in Indonesia.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 113/98

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Comprehensive Development Plan for the Western Part of Kalimantan	
3. SECTOR	Development Plan / Integrated Regional Development Plan	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	The National Development Planning Agency (BAPPENAS), Cipta Karya of the Ministry of Public Works, Bangda of the Ministry of Home Affairs, Provincial Bappedas of West Kalimantan and Central Kalimantan.
	PRESENT COUNTERPART AGENCY	National Development Planning Agency(BAPPENAS), Ministry of Home Affairs and Regional Autonomy, Regional Development Planning Board of Central Kalimantan, Regional Development Planning Board of West Kalimantan, Ministry of Settlement and Regional Infrastructure.
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Mar.1997 ~ Mar.1999 24month(s) ~	
8. SITE OR AREA	West Kalimantan Central Kalimantan	
9. MAJOR PROPOSED PROJECT(S)		
<p>10 projects were selected from 21 proposed programs.</p> <ol style="list-style-type: none"> 1. Kalimantan Forest Fire Disaster Management Project 2. Oil Palm Sub-sector Improvement Project 3. The Tayan-Pangkalanbun Section of the Trans-Kalimantan Project 4. Upland Ecological Development Corridor Project in Central Kalimantan 5. Pangkalanbun-Kumai Urban Industrial and Port Development Project 6. Kalimantan Upland Rural Infrastructure Development for Poverty Alleviation Project 7. Kalimantan Upland Community Rescue and Development Project 8. Kalimantan Small and Medium Enterprises Promotion 9. Development of a Research Station and Field Centers in the Upstream Kapuas for the Kalimantan System and Applied Research Institute 10. Kalimantan Pollution Monitoring Project 		

西部カリマンタン地域総合開発調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

Subsequent Study:

(FY 1999 Overseas Survey)

A request for F/S was submitted to JICA on the following Projects.

1. Oil Palm Sub-sector Improvement Project
2. Upland Ecological Development Corridor Project in Central Kalimantan

(FY 2001 Domestic Survey)

It has been requesting to JICA.

Japanese Technical Cooperation (Dispatch of Expert)

Dispatched Agency: Provincial Bappedas of West Kalimantan

Period: from Jul.2001/12/28

The expert is performing advice for promoting them while reviewing about various policies and the progress of the activities of the project which were mainly proposed by "Comprehensive Development Plan for the Western Part of Kalimantan".

Kalimantan Upland Community Rescue and Development Project

(FY 2001 Domestic Survey)

Although it has been commenced discussion between the persons concerned as the welfare assistant project by JICA, it was cancelled due to the riot in west Kalimantan. It does not have any progress after that.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 117/98

1. COUNTRY	Indonesia										
2. NAME OF STUDY	Improvement in Quality of the Tropical Fruits										
3. SECTOR	Agriculture / (Agriculture in) General										
4. TYPE OF STUDY	M/P										
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Direcorate General of Food Crops and Horticulture(DGFCA), Ministry of Agriculture Provincial Food Crops Services in North Sumatra, West Java and South Sulawesi Provinces									
	PRESENT COUNTERPART AGENCY	Direcorate General of Horticulture Production, Ministry of Agriculture Provincial Food Crops Services in North Sumatra, West Java , East Java and South Sulawesi Provinces									
6. CONSULTANT(S)	Nippon Koei Co., Ltd.										
7. STUDY PERIOD	Jul.1997 ~ Jun.1998 11month(s) ~										
8. SITE OR AREA	North Sumatra, West Java, East Java, South Sulawesi(Total: 4 provinces) ⁹										
9. MAJOR PROPOSED PROJECT(S)											
<p>The following 14 programs were selected as an action plan.</p> <ol style="list-style-type: none"> 1.Establishment of orchard as core of target fruit growing area 2.Human resources development of on-farm level extension workers and farmers 3.Development of post-harvest handling system 4.Improvement of access facilities to markets and local facilities 5.Institutional development of small landholding fruit growers and association of fruit growers' groups 6.Strengthening of institutional linkage among ministries and agencies, intra-ministerial coordination system in MOA 7.Capability building of provincial staff 8.Rationalization of supporting services for credit facilities and upgrading of market information system 9.Strengthening of research and development activities for introduction and breeding of new high quality fruit varieties 10.Strengthening of regional adaptability trial operation system 11.Improvement of high quality seedling propagation and distribution system 12.Institutional and technical capability building of private nurseries 13.Rationalization of fruit seedling inspection system 14.Strengthening of plant quarantine system <p>The proposed project cost is dividend in 3 phases.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;">Phase I</td> <td style="width: 10%;">4,490 mil. yen</td> <td style="width: 80%;">[3,592(US\$1,000)]</td> </tr> <tr> <td>Phase II</td> <td>3,780 mil. yen</td> <td>[3,024(US\$1,000)]</td> </tr> <tr> <td>Phase III</td> <td>6,630 mil. yen</td> <td>[5,304(US\$1,000)]</td> </tr> </table>			Phase I	4,490 mil. yen	[3,592(US\$1,000)]	Phase II	3,780 mil. yen	[3,024(US\$1,000)]	Phase III	6,630 mil. yen	[5,304(US\$1,000)]
Phase I	4,490 mil. yen	[3,592(US\$1,000)]									
Phase II	3,780 mil. yen	[3,024(US\$1,000)]									
Phase III	6,630 mil. yen	[5,304(US\$1,000)]									

熱帯果樹品質向上計画

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
-----------------------	---

Description :

(FY 1999 Domestic Survey)

A part of the proposed projects(M/P) is utilized in the tropical fruits development of local government.

Government budget is limited to implement all programs. However, some fruits development programs.(Human resources development of on-farm level extension workers and farmers, Capability building of provincial staff)were implemented.

The proposed projects were listed in the 1998 Blue Book and request for OECF loan was submitted.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 203/98

1. COUNTRY	Indonesia																																																																														
2. NAME OF STUDY	Road Network Study in Central and South-East Sulawesi																																																																														
3. SECTOR	Transportation / Road																																																																														
4. TYPE OF STUDY	M/P+F/S																																																																														
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Highways, Ministry of Public Works.																																																																													
	PRESENT COUNTERPART AGENCY	Directorate General of Regional Infrastructure Development, Ministry of Settlement and Regional Development																																																																													
6. CONSULTANT(S)	Pacific Consultants International (PCI) Yachiyo Engineering Co., Ltd.																																																																														
7. STUDY PERIOD	Mar.1997 ~ Dec.1998 21month(s) ~																																																																														
8. SITE OR AREA	Central and Southeast Sulawesi Provinces and an adjacent area of South Sulawesi Province.																																																																														
9. MAJOR PROPOSED PROJECT(S)																																																																															
<p><M/P> 6,552km Project period: 1)1999~2003; 2)2004~2008; 3)2009~2013; 4)2014~2018. Project cost: 1)~3) see above; 4)410,566 (US\$1,000). <Pre-F/S> 1,200km; target year of 2008; pavement, bridges, slope protection design as well as tunnel and construction planning.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Link No.</th> <th style="text-align: left;">Link Name</th> <th style="text-align: right;">Length (km)</th> <th style="text-align: right;">Project cost (US\$1,000)</th> </tr> </thead> <tbody> <tr><td>4</td><td>Toli Toli ~ Buol</td><td style="text-align: right;">174.2</td><td style="text-align: right;">21,047</td></tr> <tr><td>5</td><td>Buol ~ Umu</td><td style="text-align: right;">141.0</td><td style="text-align: right;">18,555</td></tr> <tr><td>8</td><td>Toboli ~ Poso</td><td style="text-align: right;">146.8</td><td style="text-align: right;">20,449</td></tr> <tr><td>15</td><td>Uekuli ~ Nuha</td><td style="text-align: right;">174.0</td><td style="text-align: right;">34,193</td></tr> <tr><td>16</td><td>Tompira ~ Bungku</td><td style="text-align: right;">103.9</td><td style="text-align: right;">22,312</td></tr> <tr><td>22</td><td>Bungku ~ Provincial Border</td><td style="text-align: right;">115.0</td><td style="text-align: right;">40,920</td></tr> <tr><td>31</td><td>Barru ~ Kasipute</td><td style="text-align: right;">188.0</td><td style="text-align: right;">24,458</td></tr> <tr><td>32</td><td>Pohara ~ Asera</td><td style="text-align: right;">91.7</td><td style="text-align: right;">19,570</td></tr> <tr><td>33</td><td>Asera ~ Provincial Border</td><td style="text-align: right;">76.0</td><td style="text-align: right;">19,992</td></tr> <tr><td colspan="2" style="text-align: right;">Total</td><td style="text-align: right;">1,210.6</td><td style="text-align: right;">221,496</td></tr> </tbody> </table> <p><F/S> 440km; target year of 2003; Trans-Sulawesi East Road (Link Nos. 15, 16, 22, 32, 33) and the Tawaeli~Toboli Road (Link No.9); earthwork, pavement, bridge, slope protection work, tunnel.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Link No.</th> <th style="text-align: left;">Link Name</th> <th style="text-align: right;">Length (km)</th> <th style="text-align: right;">Project cost (US\$1,000)</th> </tr> </thead> <tbody> <tr><td>9</td><td>Tawaeli~Toboli</td><td style="text-align: right;">40.1</td><td style="text-align: right;">27,937</td></tr> <tr><td>15</td><td>Uekuli ~ Tompira</td><td style="text-align: right;">114.1</td><td style="text-align: right;">55,308</td></tr> <tr><td>16</td><td>Umpanga ~ Bungku</td><td style="text-align: right;">35.8</td><td style="text-align: right;">5,809</td></tr> <tr><td>22</td><td>Bungku ~ Provincial Border</td><td style="text-align: right;">110.7</td><td style="text-align: right;">45,524</td></tr> <tr><td>33</td><td>Provincial Border ~ Asera</td><td style="text-align: right;">55.5</td><td style="text-align: right;">12,290</td></tr> <tr><td>32</td><td>Asera ~ Sandangpangan</td><td style="text-align: right;">81.5</td><td style="text-align: right;">20,884</td></tr> <tr><td colspan="2" style="text-align: right;">Total</td><td style="text-align: right;">437.7</td><td style="text-align: right;">167,750</td></tr> </tbody> </table>				Link No.	Link Name	Length (km)	Project cost (US\$1,000)	4	Toli Toli ~ Buol	174.2	21,047	5	Buol ~ Umu	141.0	18,555	8	Toboli ~ Poso	146.8	20,449	15	Uekuli ~ Nuha	174.0	34,193	16	Tompira ~ Bungku	103.9	22,312	22	Bungku ~ Provincial Border	115.0	40,920	31	Barru ~ Kasipute	188.0	24,458	32	Pohara ~ Asera	91.7	19,570	33	Asera ~ Provincial Border	76.0	19,992	Total		1,210.6	221,496	Link No.	Link Name	Length (km)	Project cost (US\$1,000)	9	Tawaeli~Toboli	40.1	27,937	15	Uekuli ~ Tompira	114.1	55,308	16	Umpanga ~ Bungku	35.8	5,809	22	Bungku ~ Provincial Border	110.7	45,524	33	Provincial Border ~ Asera	55.5	12,290	32	Asera ~ Sandangpangan	81.5	20,884	Total		437.7	167,750
Link No.	Link Name	Length (km)	Project cost (US\$1,000)																																																																												
4	Toli Toli ~ Buol	174.2	21,047																																																																												
5	Buol ~ Umu	141.0	18,555																																																																												
8	Toboli ~ Poso	146.8	20,449																																																																												
15	Uekuli ~ Nuha	174.0	34,193																																																																												
16	Tompira ~ Bungku	103.9	22,312																																																																												
22	Bungku ~ Provincial Border	115.0	40,920																																																																												
31	Barru ~ Kasipute	188.0	24,458																																																																												
32	Pohara ~ Asera	91.7	19,570																																																																												
33	Asera ~ Provincial Border	76.0	19,992																																																																												
Total		1,210.6	221,496																																																																												
Link No.	Link Name	Length (km)	Project cost (US\$1,000)																																																																												
9	Tawaeli~Toboli	40.1	27,937																																																																												
15	Uekuli ~ Tompira	114.1	55,308																																																																												
16	Umpanga ~ Bungku	35.8	5,809																																																																												
22	Bungku ~ Provincial Border	110.7	45,524																																																																												
33	Provincial Border ~ Asera	55.5	12,290																																																																												
32	Asera ~ Sandangpangan	81.5	20,884																																																																												
Total		437.7	167,750																																																																												

中央及び南東スラウェシ道路網整備計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1999 Domestic Survey)

No action has been taken after the completion of the study.

(FY 2001 Domestic Survey)

Indonesia was influenced under the Asia economic crisis generated in the end of this Study, and currency crashed. Therefore, since the external debt became huge and the loan from the aid organization of each country was stopped or postponed, infrastructure maintenance of Indonesia which has depended for most domestic infrastructure maintenance budgets on the foreign aid organization has been stopped. This influence is not only in this issue but the whole Indonesian issue.

The Tawaeli - Toboli road in this issue is a trunk road connected to other states in the shortest distance from central Sulawesi, maintenance of this road is the biggest concerns of a central Sulawesi, and operation, management and maintenance are continued also for after the currency crisis on their own national and state budget. However, a motion of the earth and sand which start from the dipping stratum in Sulawesi, or the earth and sand from an active fault cannot be stopped due to budget restrictions, and still fundamental measures are not performed. The daily passing is carrying out the up-and-down separation of the single-sided passing with time restrictions, and this influences the socio-economical activity seriously. Therefore, the Indonesian government and the State of Sulawesi are still requesting enforcement of this project to the Japanese government.

1. Trans Sulawesi East Road

(FY 2001 Overseas Survey)

Improvement of the Trans-Sulawesi East Road will catalyze considerable positive impacts for society and persons residing in vicinity of the road as well as within the province. Therefore, the following points are to be considered.

1) Appropriate compensation should be made for land and structures affected by roads.

2) Impact on fauna and flora is to be mitigated by restricting the speed of the vehicles, reducing the noise and vibration, prohibiting illegal cultivation and settlements in that area (Link No.22).

3) More than 1,350,000m³ of disposal soil for the Trans-Sulawesi East Road including Link No.15 will be produced by construction of the road due to the imbalance of cut and fill volume. The following points need to be heeded in regards to selection of dumping sites:

- Excavated soil should not be dumped or left as is in excessively rainy or dry seasons.

- Dump sites in which exposed or graded surfaces of excavated soil can be minimized should be selected.

4) Slope protection works such as sprayed concrete cribwork, shotcrete work, stone masonry and mat gabions for fill and cut slopes should be constructed to prevent soil erosion and landslides.

Construction Schedule:

Preparation: 1999, Design: 2000-first half of 2001, Construction: latter half of 2001-2003

2. Tawaeli-Toboli Road

(FY 2001 Overseas Survey)

The following points are to be considered for environmental protection.

1) Slope protection works such as sprayed concrete cribwork, shotcrete work, stone masonry and mat gabion for fill and cut slopes should be constructed for prevention from soil erosion and land sliding.

2) More than 560,000m³ of disposal will be produced by construction of the road due to the imbalance of cut and fill volume. The following points need to be heeded in regards to selection of dumping sites:

- Excavated soil should not be dumped or left as is in excessively rainy or dry seasons.

- Dump sites in which exposed or graded surfaces of excavated soil can be minimized should be selected.

- Planting or seeding of dumped soil should be undertaken immediately.

- Proper drainage facilities should be supplied to prevent adverse environmental affects (e.g. water contamination, filling, maddines, etc.) down steam from the locations.

- Access to dump sites should be supplied.

3) The changing of groundwater flow made by the construction stage of the tunnel would be predicted. Some consideration such as monitoring should be made on the groundwater flow.

Construction Schedule:

Preparation: 1999, Survey and Design: 2000-2001, Construction: 2001-2003

(FY 2002 Overseas Survey)

Preservation (betterment works) under loan IBRD 4643-IND, is under construction.

Toli-toli --Lingadan, Liok --Boul (as part of Toli-toli Buol)

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 204/98

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Nationwide Ferry Service Route, Stage 2	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	DGLT, Ministry of Communications(MOC)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Pacific Consultants International (PCI)	
7. STUDY PERIOD	Mar.1997 ~ Mar.1998 12month(s) ~	
8. SITE OR AREA	<M/P>DKI, Java, Sumatra, Kalimantan, Sulawesi, Maluku, NTT, NTB and Irian Jaya <F/S>Surabaya-Banjarmasin, Selayar-Labuhan Bajo, Manokwari-Biak, Wahai-Babang	
9. MAJOR PROPOSED PROJECT(S)		
<p>M/P: Future Nationwide Ferry Service Network Selection of Ferry Routes for the Long-term Development Plan Ferry Operation</p> <p>F/S: In order to select ferry routes for the short-term development plan, five long-distance and four middle/short-distance routes are evaluated separately The proposed routes for the short-term development plan are as follows. 1) Long distance route : Surabaya - Banjarmasin 2) Middle and short distance route : Selayar - Labuhan Bajo Manokwari - Biak Wahai - Babang</p>		

全国フェリー網整備計画調査(フェーズ2)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1999 Domestic Survey)

The project is now under consideration as one of key projects in the Indonesian Government.

(FY 1999 Overseas Survey)

Out of the recommended ferry service routes in the short-term development, Manokwari-Biak, Wahai-Babang are proposed for immediate implementation. The proposals are under process of BAPPENAS and are to be included in the Blue Book.

(FY 2001 Domestic Survey)

The request for financing was made to JBIC in order to strengthen the transport capacity by ferryboat by means of constructions of 4 terminal facilities (mooring dolphin, passenger terminal, parking and etc.) on 2 routes (BAJOE - KORAKA, PARENBAN - MUNTOKU) from the long and middle distance routes suggested to be dealt with urgently by this Development Study. But it seems to take a time to materialize the individual project because it is under discussion domestically how the local government would participate in the port maintenance and management and it is not clear how to map out a course.

Situation of request:

Financial source: JBIC

Time of request: 1999

Contents of project: Strengthen the transport capacity by ferryboat by means of constructions of 4 terminal facilities (mooring dolphin, passenger terminal, parking and etc.) on 2 routes (BAJOE - KORAKA, PARENBAN - MUNTOKU)

(FY 2001 Overseas Survey)

The D/D of Biak was completed in 1995, the D/D of Wahai - Babang was completed in 2000, and for Manokwari was completed in 2001. No progress has been made about the long-distance route development plan. However, the government has great interest to develop this long-distance route as the transport demands of this proposed route have been quite significantly developed for the last three years.

Future perspective:

(FY 2001 Domestic Survey)

Based on the result of the JICA Development Study "Port Development Strategy" made at the same timing, if the clear policy will be made on how the local government will participate in the port maintenance and management, it seems that the financial cooperation will be proceeded.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/A 219/98

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Integrated Development Project for Rural Cooperatives	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Cooperatives and Small Enterprises Development.
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Central Union of Agricultural Co-operatives(JA-ZENCHU) System Science Consultants Inc.	
7. STUDY PERIOD	Feb.1996 ~ Feb.1999 36month(s) ~	
8. SITE OR AREA	<M/P> North Sumatra, Lampung, West Java, East Java, West Nusatenggara, South Kalimantan, and South Sulawesi (7 provinces). <F/S> Bundung District in West Java (3 KUD), and Sidrap District in South Sulawesi (3 KUD).	
9. MAJOR PROPOSED PROJECT(S)		
<F/S> Bundung District in West Java 1) KUD Tani Mukti: dairy cattle rearing and fattening facilities, feed mixing facility, small dairy products processing facilities. 2) KUD Pasir Jambu: dairy cow rearing facility, feed mixing facility. 3) KUD Walatra: potato processing facilities. Sidrap District in South Sulawesi 4) KUD Sipatuwo: rice milling plant, mini grain processing facility. 5) KUD Seganmat: rice milling plant, mini grain processing facility. 6) KUD Matutu: cattle fattening facility.		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 1999 Overseas Survey)

Ministry of Cooperative and SME proposed a model cooperative project only for South Sulawesi in Sep. 1999.

(FY 2001 Overseas Survey)

The government put priority to realize the proposed project in South Sulawesi than the project in Bandung District, West Java. The reason for delaying the proposal in West Java is because a lot of facility investment capital is needed, and they might not be sustainable unless the business plan had soft loan credit program at the same time.

Dispatch of an expert:

(FY 1999 Domestic Survey)(FY 2002 Domestic Survey)

Jul.1998 - Jul.2003 An individual long-term expert of JICA has been dispatched to the Ministry of Cooperatives, Small and Medium Enterprises of the government of Indonesia. He has been cooperating with drafting of vitalization plan of cooperatives, especially rural village cooperatives in Indonesia.

Project-type technical cooperation:

(FY 1999 Domestic Survey)

As a project-type technical cooperation project for FY 2000, the "Strengthen Market-oriented and Self-autonomy Agricultural Cooperatives Project" has been requested to the government of Japan by the Ministry of Cooperatives, Small and Medium Enterprises of the government of Indonesia.

(FY 2001 Overseas Survey)

The proposal and TOR have been proceeded to JICA headquarters, but it has not been approved yet.

(FY 2001 Overseas Survey)

As a project-type technical cooperation project for FY 2001, the proposal and TOR have been proceeded to JICA headquarters, but it has not been approved yet.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 202/99

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Study on Land Provision for Housing and Settlements Development through KASIBA and Land Reajustment in Jakarta Metropolitan Area	
3. SECTOR	Social Infrastructure / Urban Planning & Land Development	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	The State Ministry of Housing, the state ministry Agrarian Affairs/National Land Agency
	PRESENT COUNTERPART AGENCY	Ministry of Human Settlements and Regional Development/National Land Agency
6. CONSULTANT(S)	Yachiyo Engineering Co., Ltd. Pacific Consultants International (PCI)	
7. STUDY PERIOD	Jan.1998 ~ Jan.2000 24month(s) ~	
8. SITE OR AREA	Parung Panjang and Jatiasih in the Jakarta Metropolitan Area	
9. MAJOR PROPOSED PROJECT(S)		
1. Urban Development System Improvement Study 1) KASIBA System Improvement Plan(2001 to 2020) 2) Land Consolidation System Improvement Plan (2006 to 2010) 2. Case Studies 1) KASIBA Case Study/Parung Panjang (Preparation Stage + 7 years) 2) Land Consolidation Case study/Jatiasih(Preparation Stage + 4 years)		

ジャカルタ首都圏地域都市・宅地開発手法構築調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 2000 Domestic Survey) PERMUNAS(National Urban Development Corporation) started to implement a KASIBA project in Tangerang, but it is currently stopped in the midst of political reform (decentralization). At the same time, Ministry of Human Settlements and Regional Development is examining the feasibility of implementing KASIBA schemes in six cities. A land consolidation project is being prepared in Bekasi region, where the JICA Study was conducted (Jatiasih).</p> <p>(FY 2001 Overseas Survey) - The KASIBA project in Tangerang is temporarily stopped due to insufficient surplus to continue. - Locations for KASHIBA project were determined in 6 cities (Medan, Pekanbaru, Bogor, Sumarang, Makasar, Mataram). However, the Kasiba is not going as expected. - Long term JICA experts were dispatched to Jatiasih. - The proposed projects in Jatiasih (City of Bekasi) covering an area of 30ha with 350 prospective participants was scheduled for 2000 fiscal year. However, the project was called off because no budget was available for the implementaion. Other reason was that the study was scheduled until Dec. 1999, but it was not finalized until Feb.2001.</p> <p>(FY 2004 Overseas Survey) Although this research has contributed to the improvement of KASIA, proposed projects have not been implemented.</p> <p>(FY 2005 Domestic Survey) No information to be specifically mentioned.</p>		

STUDY SUMMARY SHEET

(F/S)

ASE IDN/A 301/00

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Feasibility Study on the Integrated Agricultural and Rural Development in Highland in Republic of Indonesia	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Food Crops and Horticulture, Ministry of Agriculture
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Hokkaido Engineering Consultants Co., Ltd.	
7. STUDY PERIOD	Sep.1999 ~ Jun.2000 9month(s) ~	
8. SITE OR AREA	Mekarjaya, Langensari, Tugumukti, Gekbrong, Cisarupan, Tanjungkarya, Mekarmukti, and Cisantana	
9. MAJOR PROPOSED PROJECT(S)		
<p>a. Projects</p> <p>The following project activities are implemented.</p> <p>1) Improvement of vegetable production system.</p> <ul style="list-style-type: none"> - Improvement/extension of irrigation facilities. - Establishment of linkage with the research institutes of vegetables and agricultural extension service offices by set-up and operation of adaptive trial farm. - Operation of farmers' field schools to demonstrate advanced technology of vegetable growing with farmers' participation. <p>2) Improvement of vegetable marketing system</p> <ul style="list-style-type: none"> - Improvement/construction of collection and packaging center for vegetables. - Improvement of market road. - Farmers' guidance for market-oriented cropping system with involvement of private sector. <p>3) Activation of farmers' organizations for active agricultural production.</p> <ul style="list-style-type: none"> - Farmers' guidance for organizing farmers' associations including farmers cooperatives, farmer water users association and rural water users association. - Guidance to farmers' association for O&M of the facilities constructed, irrigation water management, joint purchase of agricultural inputs, joint selling of agricultural production, post harvest handling, farmers credit, and association management. <p>b. Monitoring and Evaluation</p> <ul style="list-style-type: none"> - Project benefit monitoring and evaluation. - Environmental impacts monitoring and evaluation. 		

ハイランド地域農業開発計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 2002 Domestic Survey) This study was adopted as the project financed by Japanese Yen Loan in the year 2001 but not accepted.</p> <p>(FY 2004 Domestic Survey) No information to be specifically mentioned.</p> <p>(FY 2005 Domestic Survey) Neither short listed nor request has been submitted. Less likely to be realized in the near future.</p> <p>(FY 2005 Overseas Survey) Subsequent study has not yet been implemented, due to lack of funding source. However, through national and local budget, Directorate General of Horticulture has funded several programs and activities to develop rural areas in highlands. Following are actions to be taken in the future: <ul style="list-style-type: none"> - Re-feasibility study as a subsequent study, expanding its targets to other highland areas, such as North Sumatra, Jambi, or Eastern Part of Indonesia. - Focusing on to specific commodities in each highland areas - Involvement of provincial and district agricultural services </p>		

STUDY SUMMARY SHEET

(D/D)

ASE IDN/S 401/00

1. COUNTRY	Indonesia	
2. NAME OF STUDY	Detailed Design of Flood Control and Water Resources Development Project in Semarang in the Republic of Indonesia	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	D/D	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Water Resources Development and Directorate General of Human Settlement, Ministry of Public Works
	PRESENT COUNTERPART AGENCY	Directorate General of Water Resources, Ministry of Settlement and Regional Infrastructure
6. CONSULTANT(S)	CTI Engineering International Co., Ltd. Pacific Consultants International (PCI) Pasco International Inc.	
7. STUDY PERIOD	Aug.1997 ~ Aug.2000 36month(s) ~	
8. SITE OR AREA	Semarang City and West Floodway/Garang River Basin in Central Java Province	
9. MAJOR PROPOSED PROJECT(S)		
1) West Floodway/Garang River Improvement (L=9.76km) with Reconstruction of Simongan Weir 2) Construction of Jatibarang Multipurpose Dam (H=77m, L=200m) 3) Urban Drainage System Improvement (A=12.835km ² , 2 Pumping Stations)		

スマラン地域治水・水資源開発計画調査(実施設計)

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2001 Domestic Survey)

The implementation of the Project is expected to be undertaken with the financial assistance by foreign countries or international funding agencies. Ministry of Settlement and Regional Infrastructure Department will be the government agency responsible for the execution of the Project. Actual executing agencies will be entrusted to JRATUNSELUNA Project Office of Central Java Province and Semarang Municipal Office.

(FY 2002 Domestic Survey)

Government of Indonesia regards the project as the first priority. The Govt. seems to be considering it as a prospective JBIC project.

(FY 2002 Overseas Survey)

The Ministry of Public Works (present Ministry of Settlement and Regional Infrastructure) has requested JBIC Loan in 1998, but it has not been adopted. The Municipal Government of Semarang has requested the Japan's grant aid for the component of 'Urban Drainage' in 2001.

(FY 2003 Domestic Survey)

The project is under preparation to make a request for JBIC loan.

(FY 2004 Domestic Survey)

No information to be specifically mentioned.

(FY 2005 Domestic Survey)

Subsequent Study: SAPROF on Conservation of Water Resources in Semarang in the Republic of Indonesia

Implementing period: June 2005 - December 2005

Implementing body: JBIC

Purposes and relation with the study: M/P and D/D for the project was conducted in 1993 and 2005 respectively, which the Indonesian government is considering to request as a FY 2005 Yen loan. Thus, the study will verify the necessity of wide ranging scopes of the project and to revalidate its validity and detail design from professional perspective to proceed realization of the project precisely and promptly.

Contents: Resettlement and land remuneration is in progress in accord with the Land acquisition and resettlement action plan, which was enacted according to the Indonesian law.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 103/01

1. COUNTRY	Indonesia		
2. NAME OF STUDY	The Study on the Coral Reef Rehabilitation and Management in North Sulawesi Province		
3. SECTOR	Administration / Environmental Problems		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI)		
7. STUDY PERIOD	Dec.1999 ~ Nov.2001 23month(s) ~		
8. SITE OR AREA	North Sulawesi Province		
9. MAJOR PROPOSED PROJECT(S)			
43 projects to be implemented in total, including:			
<ol style="list-style-type: none"> 1. Establishment of provincial regulation on management and sustainable development of coastal area and coastal resources in North Sulawesi; 2. Establishment of Provincial Integrated Coastal Management Office; 3. Human resources development for local development; 4. Formulation of provincial and municipal/regent coastal spatial use plans; 5. Establishment of provincial protected areas; 6. Establishment of community coastal resources user right; and, 7. Supporting program for community coastal resources management. 			

北スラウェシ地域サンゴ礁管理計画

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2002 Domestic Survey)

1. Short-term JICA expert dispatched from November 2002 for 6 months in order to support implementation of M/P.
2. Proposed Provincial Coastal Management Regulation and Provincial Integrated Coastal Management Offices (PICMO) were discussed by Provincial Parliament, Provincial Government started the establishment of proposed Provincial Coastal Management Regulation and PICMO.
3. USAID will prepare Provincial Coastal Environmental Atlas based on Coastal GIS developed by the JICA Study team.
4. Community Empowerment Project, named North Sulawesi Participatory Natural Resources Management Project, will start this fiscal year.
5. Provincial Fishery Office continues to set up artificial reefs at other areas funded by provincial budget in 2002. Neighboring provincial government also set up the same model of artificial reefs supported by trained counterparts.

(FY 2002 Overseas Survey)

After this Development Study, two CEP (Community Empowerment Program) projects are proposed by Sam Latlangi University in North Sulawesi.

The title of the proposed project is "Community Based Natural Resources Management (CB-NRM) Project in North Sulawesi". JICA short term expert dispatched from Nov. 2002 to May 2003 is now trying to facilitate the coordination of the project, together with the regional government and other concerning.

(FY 2004 Domestic Survey)

No information.

(FY 2005 Domestic Survey)

Subsequent Project: Artificial gathering place establishment project

Implementing period: 2002 and 2003.

Scale: 5 million JPY

Benefit:

Beneficiary: North Sulawesi, coastal residents

Benefits: Permanence in fishery and increase in haul.

(FY 2005 Overseas Survey)

Provincial Coastal Management Basic Regulation and Provincial Integrated Coastal Management Office were established.

Technical cooperation:

Dispatch of Experts:

Short-term expert: Coastal development and preparation of establishment of provincial integrated coastal management office program.

Period: November 2002 - July 2003

Number: 1 personnel

Dispatched organization: Planning and Development Agency of North Sulawesi Provincial Government

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 104/01

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Regional Educational Development and Improvement Project	
3. SECTOR	Human Resources Development / Education	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of National Education
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ) PADECO Co., Ltd.	
7. STUDY PERIOD	Mar.1999 ~ Sep.2001 30month(s) ~	
8. SITE OR AREA	156 schools adn 15 sub-districts 7 districts in Central Java Province and the North Sulawesi Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>Based on the results of pilot activity, the following activities were proposed.</p> <p>Objectives</p> <p>1)To increase enrolment to junior secondary education 2)To improve the quality of junior secondary education and improve students' learning 3)To assist the local government in managing junior secondary education delegated by the central government 4)To induce community participation in the educational management and development 5)To mobilize community resources to improve junior secondary education 6)To increase people's awareness about education</p> <p>Project Site and Target Groups</p> <p>The Post-REDIP Project will be implemented in Central Java North Sulawesi, the two provinces where REDIP and COPSEP have been carried out. The basic formula used in REDIP about the site and target selection was to identify a kecamatan and deal with all junior high schools(SLTP, MTs, Terbuka and Paket B, public and private) located in the kecamatan. This same formula should be applied to the Project.</p> <p>Basic Principles</p> <p>The Post-REDIP Project will adopt the following principles:</p> <p>1)Kecamatan and Kabupaten Levels as the prime targets 2)Simultaneous empowerment of community and schools 3)Equal coverage of all schools 4)Flexibility 5)Performance-linked rewarding system</p> <p>2 menus and 5 components at sub-district level and school level.</p> <p>Component A: Strengthening of Education Improvement Team empowerment of Community participation) at sub-district level.</p> <p>Component B:</p> <p>Menu 1: Principal's training for school-based management Menu 2: Revitalization of MGMP (teacher's on-service training) Menu 3: Textbook provision and management Menu 4: BP3(PTA) Activities Menu 5: Provision of block grant for school-based management</p> <p>Baseline and post-pilot survey to measure the impacts of each pilot activity.</p>		

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2002 Overseas Survey)

Despite its respectable achievements, REDIP1 met a few shortcoming:

- 1) REDIP1 was implemented within the previous framework of centralized educational management. Therefore, it could not be so designed as to fit into the new decentralized system set in force on Jan. 2001, making the district government responsible for the administration of basic education.
- 2) Due to a severe time constrains, JICA study team for REDIP1 could not provide sufficient pre-pilot training to people concerned with the pilots. This created mis-understanding and confusion among the participants, and rendered some pilot activities less effective than were supposed to be.
- 3) Financial accountability could not be ensured in a few cases because no fixed system of financial reporting and auditing was set in place under REDIP1 and no training was given on accounting to TPK leaders or school principals.

Considering the significant results of REDIP1 pilot activities, it would be highly justified to extend REDIP1 for another period, correcting the several shortcoming and refining the project design and management, in order to explore REDIP's potential as an appropriate means to improve Indonesia's junior secondary education.

GOI in July 2001 formally requested GOJ to carry out a sequel of REDIP as Phase 2. In response to this request, JICA sent a preparatory mission in October 2001 to assess the proposed study's validity and feasibility. At the conclusion of the mission, the S/W and M/M was signed.

REDIP Phase 2 commenced in Jan. 2002. The pilot activities (TPK, KKS, MGMP, school block grant) have been implemented in 33 sub-districts in 4 districts in same provinces as REDIP1.

(FY 2002 Domestic Survey)

1.JICA's continuing Support

Phase II of " Regional Educational Development and Improvement Project" has been conducted since December 2001, which is scheduled to end in January 2005.

The background of the implementation of Phase II are listed below :

- 1) REDIP was implemented within the previous framework of centralized educational management. Therefore, it could not be so designed as to fit into the new decentralized system set in force on January 1, 2001, making the kabupaten government responsible for the administration of basic education.
- 2)Due to severe time constraint , the JICA Study Term for REDIP could not provide sufficient pre-pilot training to people concerned with the pilot. This created misunderstanding and confusion and among the participants, and rendered some pilot activities less effective than were supposed to be.
- 3)Financial accountability could not be ensured in a few cases because no fixed system of financial reporting and auditing was set in place under REDIP and no training was given on accounting to TPK leaders or school principals.

Considering the significant results of REDIP pilot projects, it would be highly justified to extend REDIP for another period, correcting the shortcomings and refining the project design and management, in order to explore REDIP's potential as an appropriate means to improve Indonesia's junior secondary education.

The objectives of Phase II Study are:

1)To formulate a strategic plan and action plans to rectify the quantitative and qualitative regional imbalances of junior secondary education with emphasis on capacity building of local education administrations in line with the current decentralization as well as empowerment of local communities and school-based management ; and

2)To help strengthen the planning capability of Indonesian counterpart personnel thought the implementation of the Study.

2.Indonesia's own efforts

The ideas of school block grant program and sub-district based activities that were proved to be effective during the Study were incorporated in the education programs of Indonesian government and other donors. In some districts in Central Java, local government initiated to secure the extra budget for conducting REDIP-type activities.

(FY 2003 Domestic Survey)(FY 2003 Overseas Survey)

A further study was considered necessary based on this study, and the Regional Education Development and Improvement Project Phase 2 (Development Studies) started in the end of December 2001. In the phase 2, an empirical study has been implemented in succession to Phase 1 at a scale twice as much as the Phase 1 in terms of the numbers of covered counties and schools. In the empirical study, approximately 220 million will be input into the target counties of the pilot project and junior high schools for two years. Each school contributes more than 10% of their received funds as cost sharing. The funds are allocated based on the activity proposals submitted by 33 county education boards and 271 school education boards.

The Breves Prefectural Government in Central Java Province that became the object of this pilot project contributed 210 - 280 thousand yen per junior high school to target junior high schools as the counterpart budget in 2003. And the PAKARONGAN Prefectural Government in Central Java Province as well that became an object of the pilot project contributed approximately 140 thousand yen of counterpart budget per junior high school to target junior high schools and approximately 70 thousand yen of counterpart budget to the county education boards in 2003.Collaboration has started between the Indonesia Elementary and Secondary School Mathematics and Science Education Expansion Program and JICA Technical Cooperation since October 2003.

Benefit effects:

(FY 2003 Domestic Survey)(FY 2003 Overseas Survey)

Objects of benefit: 33 counties, 271 junior high schools, parents of junior high school students and communities surrounding the junior high schools

Benefit effects: 33 counties ~ thousands of people, 271 schools ~ hundreds of people, 272 schools ~ hundreds of students ~ parents (2 persons), regions: two prefectures in Central Java Province, one prefecture and one city in North Sulawesi Province

(FY 2005 Domestic Survey) (FY 2005 Overseas Survey)

Subsequent study: Regional Education Development Support (phase II)

Implementing period: December 2001 - March 2005.

Subsequent Project: Regional Educational Administration Improvement Program

Implementing period: September 2004 - September 2008

STUDY SUMMARY SHEET

(M/P)

ASE IDN/A 105/01

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study for Improvement of Irrigation System and Empowerment of Water User's Association for Enhancement of Turnover Program	
3. SECTOR	Agriculture / (Agriculture in) General	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI)	
7. STUDY PERIOD	Mar.2000 ~ Dec.2001 21month(s) ~	
8. SITE OR AREA	5 provinces: Western Sumatra, Western Jawa, Eastern Jawa, Jogjakarta, and Western Nusa Tenggara. Total (irrigated) area: 1,911,000 ha	
9. MAJOR PROPOSED PROJECT(S)		
<p>An Action Plan with following eleven plans were formulated:</p> <p>(Preparatory Work)</p> <p>Action 1: Public Awareness of Government Policy Amongst Government Officials</p> <p>Action 2: Inventory of Irrigation Systems and WUAs</p> <p>(Main Work)</p> <p>Action 3: Public Awareness and Capacity Building at WUA level</p> <p>Action 4: Training of WUA Leaders</p> <p>Action 5: Kabupaten Irrigation Improvement Fund</p> <p>Action 6: Formation and Re-formation of WUA, WUAF, and IWUA</p> <p>Action 7: Start-up Assistance</p> <p>Action 8: Improved O&M and joint Management</p> <p>Action 9: Collection of ISF and Government Support</p> <p>Action 10: Rehabilitation of Irrigation System</p> <p>Action 11: Monitoring and Evaluation</p> <p>Action 12: Agricultural Enhancement Plan</p>		

水利組合移管促進計画調査

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2002 Overseas Survey)

Project-type Cooperation "Project for Promotion of Farmers Empowerment and Irrigation Management Transfer to Water Users Association" was approved as 2001/2002 fiscal year's projects.

(FY 2003 Overseas Survey)

The title of the project has been changed to "The Project for Empowerment of Water Users Associations". The Project is expected to begin implementation in early 2004.

(FY 2004 Domestic Survey)

No information.

(FY 2005 Domestic Survey) (FY 2005 Overseas Survey)

Subsequent Project: The project for Empowerment of Water Users Association

Type: Technical type project

Implementing period: Three years from April 2004

Implementing body: JICA

Technical cooperation:

Training:

Number: 8 personnel

Description: 1) participatory Irrigation management system - FY 2003 and 2004, 2) Counterpart Training for "The project for Empowerment of Water Users Association" FY 2004

Dispatch of experts:

Long-term experts:

Period: April 2004 - March 2007

1) Chief advisor/organization, 2) coordinator/training 3) Water management/facilities management 4) farming

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/A 203/01

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed	
3. SECTOR	Forestry / Forestry & Forest Conservation	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	BRLKT (Balai Rehabilitasi Lahan dan Konservasi Tanah / Land Rehabilitation and Soil Conservation Office)
	PRESENT COUNTERPART AGENCY	BPDAS (Balai Pengelolaan Daerah Aliran Sungai / Watershed Management Office)
6. CONSULTANT(S)	Nippon Koei Co., Ltd. Kokusai Kogyo Co., Ltd.	
7. STUDY PERIOD	Feb.2000 ~ Aug.2001 18month(s) ~	
8. SITE OR AREA	Tondano Watershed in Northern Sulawesi Province	
9. MAJOR PROPOSED PROJECT(S)		
<p>Major proposed projects include:</p> <ol style="list-style-type: none"> 1. aerial photo shooting/ mapping, 2. water quality test, 3. digitalizing of maps, 4. socio-economy survey, 5. EIA 6. soil survey. 		

トンドノ流域管理計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2002 Domestic Survey)

1. Community empowerment program planned in the study is to be implemented as a part of the program of 'Coral Reef Rehabilitation in North Sulawesi Province in the Republic of Indonesia', conducted at downstream of Tondano watershed.
2. Ministry of Forestry is planning to establish 'the Watershed Management Committee', based on the recommendation of the Study.

(FY 2002 Oversea Survey)

1) Urgent Establishment of Watershed Conservation Committee

The Communication Forum on Tondano Watershed Management has been established on September 2002, consisting of wide range of related multi-stakeholders that has concern for DAS Tondano, North Sulawesi Province (Kabupaten, Minahasa/ Kota Manado). The member of Forum agreed to strengthen the communication on integrated program for watershed management.

2) Arrangement of existing data

There is a plan to establish DAS Tondano information center in Tomohon, by BP DAS (Watershed Management Office).

3) Urgent Execution of Community Empowerment

Community Empowerment Program (JICA) proposed by University Sam Ratulangi aims to socialize JICA Study results as well as CEP activities to wide level of stakeholders.

(FY 2004 Domestic Survey)

No information to be specifically mentioned.

(FY 2005 Domestic Survey)

The Ministries (The Ministry of Forestry) have dissolved due to structural reform. Therefore, there has been no concrete action taken for implementation and has not been short-listed.

(FY 2005 Overseas Survey)

No information to be specified.

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/A 201/02

1. COUNTRY	Indonesia		
2. NAME OF STUDY	The Study on Fisheries Infrastructure Support and Coastal Communities Development Plan in Eastern Indonesia		
3. SECTOR	Fishery / Fishery		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Fisheries Resources for Fishing, NTB Government, NTT Government	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	System Science Consultants Inc. Overseas Agro-Fisheries Consultants Co., Ltd.		
7. STUDY PERIOD	May.2001 ~ Oct.2002 17month(s) ~		
8. SITE OR AREA	M/P: East and West Nusa Tenggara province (excluding Timor Island) F/S: Sumbawa and Flores islands		
9. MAJOR PROPOSED PROJECT(S)			
Project Cost			
F/S Unit;Rp.million			
Local Cost 1) 3,905 2) 5,533 3) 9,833 4) 4,954			
Foreign Cost 1) 31,084 2) 21,846 3) 39,603 4) 36,754			
Imp. Period			
1) 4 years (The first 2-year period should be started before 2) 2) 4 years			
3) 4 years(The first 2-year period should be started before 4) 4) 4 years			
Sumbawa Island			
1)Rompo(Waworada), Bima District(First Priority Zone)			
A Priority zone consisting of Rompo, located along Waworada Bay, as the core of fishermen village and Bima Fish Market was created.			
2) Soro(Kempo) and Hu'u(Hu'u),Dompu District(2 nd Priority Zone)			
A Priority zone consisting of the main fish supply areas,namely kenpo and Hu'u and the Dompu market, was created.			
Flores Island			
3) Oka(Laratunka),Flores Timur District(First Priority Zone)			
A Priority zone consisting of Oka in Larentuka as a fish collection point,Larantuka and central / western Flores, and the remote fishing villages (Lamahala Jaya, Sagu,Lewoleba, Balauring, and Lamalera) was created.			
4) Kalimati /Wuring (Maumere), Sikka District and Paupanda (Ende), Ende District			
(Second Priority Zone)			
The priority zone, which consists of Kalimati, Wuring, Paga and Paupanda, was created as a fish supply point for two district capitals (Maumere and Ende) and western Flores.			

東部地域沿岸漁村振興開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<p>Description :</p> <p>(FY2003 Domestic Survey) There is no information available on the current situations of this project.</p> <p>(FY 2004 Overseas Survey) Two follow-up studies have been conducted in 2003 and 2004. In 2005, the technical cooperation for coastal communities development will be commenced.</p> <p>(FY 2005 Domestic Survey)(FY 2005 Overseas Survey) Subsequent study: The Study on Enhancement of the Low Income Fisheries Communities in NTT and NTB Implementing period: January 2004 -March 2004 Implementing body: OISCA-International Objective: 1) To clarify the latest fisheries and living condition through data collection 2) To improve living standards of fisheries communities through data collection and prepare a plan to improve productivity and living standards within the priority area.</p> <p>Subsequent project: Project for the promotion of sustainable coastal fisheries in NTB and NTT Implementing period: April 2005 and October 2005 Implementation body: Ministry of Marine Affairs and Fisheries (MMAF), Fisheries Official District, NTB and NTT district government, JICA Objective: 1) To increase effectiveness of port management. 2) To increase effectiveness of control illegal fishing activities 3) To enhance sustainable fisheries resource management 4) To stabilize food supply, especially for nutrient fish 5) To increase income</p> <p>Relation with the study: The project is based on the development plan proposed in the mentioned study. Funding: Funding party: Nusa Tenggara Timur (NTT) - Own fund Nusa Tenggara Barat (NTB) - Yen Grant</p> <p>Status: The Ministry of Marine Affairs and Fisheries (MMAF) and JICA in cooperation with the Fisheries Office of NTT and NTB are preparing for the implementation. The project is planned to be implemented from March, 2006.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 204/02

1. COUNTRY	Indonesia		
2. NAME OF STUDY	The Study on the Development Scheme for the Principal River Ports in Indonesia		
3. SECTOR	Social Welfare / Disaster Relief		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	DGSC,Indonesia	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	The Overseas Coastal Area Development Institute (OCDI) Pacific Consultants International (PCI)		
7. STUDY PERIOD	Jan.2001 ~ May.2002 16month(s) ~		
8. SITE OR AREA	M/P: Muara Sabak Port, Talang Duku Port and Samarinda Port F/S: Muara Sabak Port and Samarinda Port		
9. MAJOR PROPOSED PROJECT(S)			
Project Cost			
M / P	Muara Sabak	Talang Duku	Samarinda
Cost	Rp.626 billion	Rp.126 billion	Rp.705 billion
F / S	Muara Sabak	Talang Duku	Samarinda
Cost	Rp.242 billion	-	Rp.330 billion
M / P:			
1) Muara Sabak: 3 Container berths (L=125m x 3 ; d=6m 3 Gantry Cranes, 1 Mobile Crane and 6			
2) Talang Duku: 2 pontoons, (L =125m x 2, d=6m 4 Mobile Cranes, 4 RTGs			
3) Samarinda: 4 Container berths (L =125m x 4 ; d=6m 4 Gantry Cranes, 8 RTGs			
F / S:			
1) Muara Sabak : 1 Container berths ,(L =125m, d = 6m 1 Gantry Crane, 2 RTGs			
2) Samarinda : 2 Container berths (L = 125m x 2 ; d=6m 2 Gantry Crane, 4 RTGs			

主要河川港開発計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 2003 Domestic Survey) Short-term port development projects (Muara Sabak Port and Samarinda Port) satisfy the foreign loan Application requirement. But, the local fund for the projects is under consideration. It is also necessary to take the ceiling of foreign loan disbursement into account. When all these financial issues are cleared, the projects will be implemented</p> <p>(FY 2003 Overseas Survey) The project, development of Scheme for the Principal River Ports, was put in the long list for STEP Loan last year, but the project was not in the Blue Book for this year, because the relocation of residents problem has not been solved yet.</p> <p>(FY 2004 Domestic Survey) Based on the output of JICA social development study, the consultant (PCI) has prepared the I/P by December 2002 and has submitted to the Indonesia (Directorate General of Sea Communications). Although, progress on the concrete discussion for project implementation was anticipated based on the above study, it has not been progressed. The cause of stagnation is considered to be brought by a financial condition of the administrator in charge of development of the concerned port. The Indonesian Port Corporation II in charge of administration of the Jambi port (Muara Sabak and Talang Duku) is now conducting modernisation of Tnajung Priok port (Jakarta) and development of Bojonegara port, an another metropolitan port, and is said to have immense debt. Indonesian Port Corporation IV administering Port Samalinda is also said to be in a poor financial condition, which also needs to develop prioritised Barik Baban port (East Kalimantan). In addition to a poor financial condition, both Port Corporations possess other prioritised project, thus it is understood that the development of a river port will be implemented in long time span utilising its own fund. The above is the reason for a request on Grant Aid to be not submitted.</p> <p>(FY 2005 Domestic Survey) Both the projects on the river ports in Jambi and Samarinda have not been implemented due to low priorities in Indonesia. Both corporations are prospecting for gradual progress towards the implementation, conducting small-scale study with their own budgets. Although having high potential in contributing for regional development, both ports possess financial difficulties regarding high expenses for port maintenance, which requires public fund as a precondition in implementing the project (the source of the problem will not be resolved unless erosion of soil be prevented by preventing illegal deforestation in Sumatra and Kalimantan.). In addition, both corporations are in the same situation as described in the previous year, which the implementation of the project is considered to be difficult.</p> <p>(FY 2005 Overseas Survey) Local government, port management institution, and private entity are considering for financial and management responsibility allocation of maritime transport from existing port to Samarinda wharf of Palaran area.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 205/02

1. COUNTRY	Indonesia		
2. NAME OF STUDY	Study for the Maritime Traffic Safty System Development Plan		
3. SECTOR	Transportation / Marine Transportation & Ships		
4. TYPE OF STUDY	M/P+F/S		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication (DGSC), Ministry of Communications	
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	The Japan Association for Preventing Marine Accidents Japan Association for Aids to Navigation		
7. STUDY PERIOD	Mar.2001 ~ May.2002 14month(s) ~		
8. SITE OR AREA			
9. MAJOR PROPOSED PROJECT(S)			
M/P:			
1)Rehabilitation/development plan of Visual Aids to Navigation including supporting facilities			
Development plan of DGPS			
Rehabilitation/improvement plan of Radar beacon			
Development plan of VTS System			
2)Expansion/improvement plan of GMDSS			
Establishment plan of Indonesian Ship Reporting System			
Upgrading plan of Internal Communication Networks			
Integration plan of coastal radio stations			
F/S:			
1)Rehabilitation/improvement plan of 213 units and development plan of 75 units for Aids to Navigation(Lighthouse, Light beacon, Light buoy), and improvement plan of 7 offices and development plan of 8 offices for supporting facilities(Buoy Base, Open Storage, Workshop, Storage)			
2)Establishment plan of VTS System with shore radar and AIS for Sunda Strait and Lonbock Strait			
3)GMDSS expansion and improvement plan, such as expansion of GMDSS coverage, commencement of national NAVTEX services and improvement of coast stations for enabling them to cover GMDSS			
4)Establishment plan of Indonesian Ship Reporting System from the view of maritime safety and marine environment protection			

船舶の航行安全システム開発整備計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 2003 Domestic Survey)</p> <p>1) Visual Aids to Navigation 2) VTS System 3) GMDSS In 2003, DGSC submitted loan request to Japanese government through BAPPENAS under the project title of Maritime Telecommunication System Development Project(IV). In response to this, JBIC dispatched a fact finding mission in July and an appraisal mission in October. 4) Ship Reporting System The above 1) 2) and 4) have been submitted to BAPPENAS for ODA loan.</p> <p>(FY 2004 Domestic Survey)(FY 2004 Overseas Survey)</p> <p>Funding request:</p> <p>1) Requested Party: Yen loan (JBIC), Request has been submitted as "Maritime telecommunications system development project (IV) in Indonesia" for "GMDSS expansion/improvement plan". 2) Requested period: FY 2003 3) Implementation status: Fact finding mission, July 2003, and appraisal mission, August 2003, was dispatched from JBIC. Signed E/N between both governments on March 2004. JBIC signed L/A. 4) Amount: 5,567 million YEN 5) Content: Establish GMDSS equipment (33 maritime telecommunication system station) and AIS station (4 stations), correspondence to SOLAS agreement, prevention of marine accident, and contribute to pirate/terrorism measures.</p> <p>(FY 2005 Domestic Survey)</p> <p>Proposed project: Maritime telecommunications system development project (IV)</p> <p>Funding:</p> <p>Funding party: Yen Loan L/A concluded on 31 March 2004 Amount: 650 million JPY Content: The Ministry of Communication has added instalment of AIS land station as a measure against terrorism within the expansion/improvement plan of GMDSS.</p> <p>(FY 2005 Overseas Survey)</p> <p>The Ministry of Communication is surveying maritime system in Maraca strait of Indonesia, Malaysia, and Singapore. The ministry is planning to request for a fund according to the result of the survey.</p>		

STUDY SUMMARY SHEET

(M/P+F/S)

ASE IDN/S 206/02

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Flood Control Project in Limboto Bolango Bone Basin , North Sulawesi in the Republic of Indonesia	
3. SECTOR	Social Welfare / Disaster Relief	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	1) Directorate General of Water Resources, Ministry of Settlements and Regional Infrastructure, 2) Dinas SDA North Sulawesi Province, 3) Dinas PU/Kimpraswil Gorontalo Province
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	NIKKEN Consultants, Inc. Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Jul.2001 ~ Dec.2002 17month(s) ~	
8. SITE OR AREA	M/P:The M/P Study covers the areas in Limboto-Bolango-Bone (LBB) basin in Sulawesi Island.The LBB basin has a total catchment area of about 2,700km ² , consisting of the Lake Limboto basin(890 km ²), the Bolango river basin(490 km ²) and the Bone river basin(1,320 km ²). F/S:Lower Bone-Lower Bolango rivers, Tapodu River, Tamalate, Lake Limboto	
9. MAJOR PROPOSED PROJECT(S)		
<p>M/P:</p> <p>Structural Measures Adopted:</p> <ul style="list-style-type: none"> - River improvement schemes: Existing channels of the Bone, Tamalate and Bolango rivers of the Bolango-Bone river system; and the Biyonga, Meluopo, Marisa, Alo-Pohu and Rintenga rivers of the Lake Limboto system are improved so as to have enough capacity to carry flood water of 20 year return period. - Floodway schemes: Tamalate floodway was proposed to divert all the flood runoff of the upper basin to the Bone River. The lower Tamalate shall serve as a trunk drainage channel of Gorontalo City. - Lake Limboto management scheme: In order to conserve the flood mitigation function of the lake for the sound development of lake side area and other existing functions of the lake, Lake Limboto management scheme was proposed with (1) construction of lake dikes, (2) Tapodu River improvement with gate, and (3) construction sediment traps. <p>Non-Structural Measures Adopted:</p> <ul style="list-style-type: none"> - The watershed management aims to promote activities undertaken by the relevant agencies and community people for flood water and sediment retention in the watershed areas. These activities may takes time, but steadily strengthen the basin against flood. - The flood-plain management aims to guide and support self-help activities of the community people in the flood-prone areas and reduce substantial damages due to floods. <p>F/S:</p> <ul style="list-style-type: none"> - Bone-Bolango-Tapodu River Improvement Project: The Bone-Bolango River from the Tapodu River confluence to the sea is to be improved for 200m³/s. The right Bolango River shall be improved as main flood channel. Cut-off channel, excavation and normalization of river channel, construction and strengthening of dikes, and bank protection works were also proposed. Main function of the Tapodu River is to lead floodwater from the Bolango River (550 m³/s), and to drain it quickly after the flood. A control gate be constructed near the Bolango confluence has main function to maintain the lake water level during dry season. - Tamalate Floodway Project: The Tamalate floodway aims to divert flood runoff(120m³/s) from the upper Tamalate River to the Bone River before flowing into Gorontalo City. At the divergence, a diversion weir is installed. Although the existing Tamalate River is closed for floods at the divergence, a sluice gate is installed for water supply during ordinary time for domestic use and river maintenance. - Sediment Trap Works in Lake Limboto: The sediment trap works aims to guide and trap the sediment in the northern part of the lake. The work is proposed as research works to measure lake sedimentation and as test works to develop usage of lake sediment. Major project works are the construction of bamboo-net fence to trap sediment and realignment of the Biyonga and Alo-Pohu rivers toward the sedimentation area. - Watershed and Flood-Plan Mangement: Besides the structural measures above, watershed and flood-plain management shall be implemented so as to realize the basin and communities invulnerable to floods. These activities should be implemented continuously as a routine work, not as a project. It is also advisable to conduct these activities in collaboration with NGOs acting among communities and government agencies. 		

リンボト・ボランゴ・ボネ川流域治水計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2003 Domestic Survey)

1) In response to results of this Study, the Indonesia government requested the implementation of Japan Grant Aid for "Urgent Flood Mitigation Project in Limboto-Bolango-Basin" from the Japanese government. "Urgent Flood Mitigation Project in LBB Basin" contains projects "Bone-Bolango River Improvement Project" and "Tapodu River Improvement Project with Gate" as results of this F/S Study.

2) In response to a request for Grant Aid from the Government of The Indonesia government mentioned above, Preparatory Study on "Urgent Flood Mitigation Project in LBB Basin", was conducted in May 2003 to appraise the necessity, urgency and viability of the requested Project and to clarify the scope of work for further Basic Design Study.

3) As a result of Preparatory Study on "Urgent Flood Mitigation Project in LBB Basin", it was recommended that it is necessary to raise the prediction accuracy of the sedimentation in Lake Limgoto in order to maintain the function of Japan's Grant Aid flood mitigation facilities in the long term. Consequently, implementation of an additional Preparatory Study is considered now.

4) In addition, the Project on "River Improvement of Lower Bone and Lower Bolango Rivers", which is M/P components of this Study results, was listed as a candidate project of water-resources field in the long list of JBIC loan projects for Indonesia.

(FY 2003 Overseas Survey)

The feasibility study for grant aid was implemented in April 2003 and it was found as a result that the condition of lake sedimentation is in a serious condition, worse than the previous analysis and the proposal result of F/S itself is under pressure to be reviewed. The Grant Aid Management Department of JICA is under examination of a possibility to implement the second feasibility study to drastically review the plan with the recovery of Limboto-Bolango-Bone rivers as a mainstay.

(FY 2004 Domestic Survey)

Conducted follow-up study (river plan/design, hydrological hydraulic, and in the fields of socio-environmental considerations). In addition, revision was made to a plan, proposed in the completed study, and has conducted additional study on issues required to shift to implementation phase.

- 1) Evaluated flow capability of Bolango river and revised the plan presuming that Tapodo channel improvement and dam construction to be not implemented.
- 2) Obtaining river sedimentation status.
- 3) An attitude survey for on transfer of residents.
- 4) Price survey on construction materials

(FY 2004 Overseas Survey)

1. Subsequent Studies: Prioritised project proposed in the study required D/D for Tapodo river improvement including construction of a sluice gate, thus JICA has revised the prioritised project by excluding Tapodo river improvement including construction of a sluice gate and has conducted "The Follow-up Study on the Flood Control Project in Limboto Bolango Bone Basin". Explanation of the draft of final report has already been given to Indonesian government. Final edition of the report will be prepared on 4th February 2005.

2. Funding: The Japanese Ministry of Foreign Affairs (MOFA) has not decided on the implementation of B/D of the above project. Indonesian government is planning to proceed purchase of land and resettlement, if MOFA is to approve to conduct the study.

(FY 2005 Domestic Survey)

Implementation of the project is prospecting to be difficult, unless issues in the objectives mentioned below becomes clear.

Subsequent study: Preparatory Study on Urgent Flood Mitigation Project in Limboto Bolango Bone Basin

Implementing period: 3 May 2003-24 May 2003

Implementing body: JICA

Objectives: Although prioritised, the following issues were needed to be clarified for an implementation of the project.

- Relations of central and regional government on jurisdiction and responsibility, which is currently in a transition period.
- Intention of residents, whom are to be resettled due to river flow change and rehabilitations.
- Organisation of Gorontalo municipality, newly established in December 2002, including human capacity for implementation, management, and operation.
- Adequacy for environment management plan and environment monitoring of the provincial municipality.

Relation with the study: Irrigation projects in Bolango, Bone, and Tapodo river, Tapodo sluice way construction, and institutional strengthening are among the prioritised projects.

STUDY SUMMARY SHEET

(F/S)

ASE IDN/S 305/02

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Feasibility Study on Rural Water Supply Project in Nusa Tenggara Barat and Nusa Tenggara Timur	
3. SECTOR	Social Infrastructure / Water Resources Development	
4. TYPE OF STUDY	F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Director General of Rural Development, Ministry of Settlement & Regional Development
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Feb.2001 ~ May.2002 15month(s) ~	
8. SITE OR AREA	East Nusa Tenggara and West Nusa Tenggara, Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>A total of 19 rural water supply systems in 17 villages were proposed. Among those, 8 systems require pumping facility and the others are of gravity system. On the other hand, 9 systems will be O & M'ed by PDAM, 4 systems by communities and the other 6 systems by a hybrid O & M by PDAM & communities. From lessons of the past failures of this kind of rural water supply projects, a comprehensive education and training program were proposed to gather with construction of the water supply facilities.</p> <p>EIRR and FIRR are negative. The project was recommended from a BHN point of view.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2003 Domestic Survey)(FY 2003 Overseas Survey)

Having been requested a Grant Aid for the proposed projects, GOJ dispatched a preliminary study team for confirmation of site conditions. Based on the study results and the succeeding consideration, 9 water supply systems in 8 villages where O & M were considered not to be overloaded were selected for the B/D study. Though at the beginning stage of the B/D 9 systems in 8 villages were agreed by GOI, a further reduction of systems to 7 systems in 6 villages in the course of the B/D study. With a consent from GOI, the basic design works were performed only for the 7 systems in 6 villages.

The B/D study will continue to the end of December 2003 and the project implementation will be expected in the coming fiscal year of 2004.

(FY 2004 Domestic Survey)(FY 2004 Overseas Survey)

Subsequent study: The project for Rural Water Supply in Nasa Tenggara Barat and Nusa Tenggara Timur

1) preliminary study: January - February 2003

2) B/D: June - September 2003

3) D/D: July - 2003

Implementing body: JICA

Funding:

Funding party: Yen Grant Aid E/N concluded on 26th July 2004

Amount: 223 million JPY

Tender:

January 2005: First tender been unsuccessful

(FY 2005 Domestic Survey)

Tender was made for the project for Rural Water Supply in Nasa Tenggara Barat and Nusa Tenggara Timur for three times though every tender has been unsuccessful.

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 101/03

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Comprehensive Water Management of Musi River Basin	
3. SECTOR	Social Infrastructure / River & Erosion Control	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Infrastructure
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	CTI Engineering International Co., Ltd. NIKKEN Consultants, Inc.	
7. STUDY PERIOD	Aug.2002 ~ Aug.2003 12month(s) ~	
8. SITE OR AREA	Musi river Basin	
9. MAJOR PROPOSED PROJECT(S)		
<ul style="list-style-type: none"> - Sustainable irrigation - Marsh development - Community-based drainage management - Maintenance of water observation system - Construction of database in monitoring system 		

ムシ川流域総合水管管理計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

Description :

(FY 2004 Domestic Survey)

In Aug 2003, the consultant followed up the provincial budget for the realization of recommended project by the Master Plan. Cooperative intention, toward the implementation of project, were shown by the Director General of the Department of Water Resources, Ministry of Infrastructure and other personnel. The follow up of this study is being continued.

(FY 2005 Domestic Survey)

Request has been submitted for technical type cooperation.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 102/03

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Transport
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	ALMEC Corporation Japan Marine Science Inc.	
7. STUDY PERIOD	Dec.2000 ~ Mar.2004 39month(s) ~	
8. SITE OR AREA	Overall Domestic Sea Transportation and Marine Industry	
9. MAJOR PROPOSED PROJECT(S)		
<ul style="list-style-type: none"> - Construction and maintenance of Law system - Introduction of vessels and craft management agency system - Construction of a Marine administrative database center 		

内航海運及び海事産業振興マスタープラン

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2004 Domestic Survey)

The government of Indonesia was preparing Presidential message for promotion of shipping industry in Jan 2004, when the draft final report was submitted. The action plan of this study will be included in strategic plan of marine traffic improvements. And they extended this study, requested for a technical support for implementation of policy advice and a part of action plan (public vessel financial system and advanced educational programme) for making the related governmental plan. From the perspective of these backgrounds, as a result of consideration of their TOR, about their requested points, since continuous technical support is effective, the follow up has started in Aug. 2004. Also, the case of '7. Building grant money daily supervising seaway system', by ensuring necessary budget by the department of transportation in ministry of transportation, the project has been implemented since 2004.

(FY 2005 Domestic Survey)

Legislation has been established for vessel investment. Particularly, president decree has been made to ratify the 1993 international treaty for vessel mortgage (decision No. 44, 2005). This enables investment for vessel, which 300 million ton equivalent private investment is prospected for domestic vessels. In addition, the President's message on maritime development was issued, covering every proposal made in the mentioned study.

(FY 2005 Overseas Survey)

Implementation team was established on 15th January, 2005, consisting from 11 members. In addition, the Project for shipping and sea transportation improvement is planned for 2 months from March 2006 as a technical type cooperation. The project includes dispatch of one long-term and several short-term experts, and training for C/P.

Subsequent study: Follow up study on assistance for public ship finance scheme and advanced maritime education programme - STRAMINDO II

Implementing period: August 2005-March 2005

Implementing body: Ministry of Communication and Information Technology

Objectives:

1. Policy advice on maritime development
2. Technical assistance on public vessel finance scheme implementation
3. Technical assistance on advanced education programme implementation

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 201/03

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Integrated Transportation Master Plan for JABOTABEK in the Republic of Indonesia (Phase 1)	
3. SECTOR	Transportation / Urban Transportation	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Natinal Development Planning Agency
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) ALMEC Corporation	
7. STUDY PERIOD	Nov.2000 ~ Mar.2003 28month(s) ~	
8. SITE OR AREA	JABOTABEK area	
9. MAJOR PROPOSED PROJECT(S)		
M/P:		
<ul style="list-style-type: none"> - To realize effective transport system - To improve transport circumstances - To realize transport security 		
F/S:		
<ul style="list-style-type: none"> - To extend bus way - To realize management of transport demand 		

ジャカルタ首都圏総合交通計画調査フェーズ2

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description : (FY 2004 Survey) Since the study was completed only short while ago, it is not clear if the government has implemented a project, though the reaction to recommendation seems to be consider</p> <p>(FY 2005 Overseas Survey) 2 subsequent studies and 2 subsequent projects is planned, ongoing, or completed with own funds.</p> <p>Subsequent study: Jakarta MRT F/S Implementing period: 2006 (planned) Implementing body: JBIC Objective: To ease traffic congestion by developing mass transport, the MRT, to shift from vehicle transport. Relation with the study: MRT is included in the short-term plan, which has been proposed for early implementation. Funding: Requested party: Yen loan November, 2005. Dispatch of a mission by JBIC.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/A 201/03

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The study for Comprehensive Recovery Programmes of Irrigation Agriculture	
3. SECTOR	Agriculture / Irrigation, Drainage & Reclamation	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Ministry of Infrastructure
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Nippon Koei Co., Ltd.	
7. STUDY PERIOD	Feb.2003 ~ Mar.2004 13month(s) ~	
8. SITE OR AREA	North Sumatra, Middle Java, South Sulawesi	
9. MAJOR PROPOSED PROJECT(S)		
M/P: - To calculate the order of priority on irrigation recovery - To prepare the irrigation agriculture recovery plans, agricultural management plans F/S: - North Sumatra province irrigation scheme - Middle Java province irrigation scheme - South Sulawesi irrigation scheme		

灌漑施設リハビリ計画調査

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p>Description :</p> <p>(FY 2004 Domestic Survey) There are activities to form a project for a Yen loan, placing irrigation improvement as the major component.</p> <p>(FY 2005 Domestic Survey) Some activities have been seen in forming Yen loan project for rehabilitation of irrigation facilities.</p> <p>(FY 2005 Overseas Survey) Indonesian government has placed assistance for irrigation facilities as a key factor in succeeding the food security program. Although technology transfer and procurement of expensive equipments has been made by the government, it is not enough in responding to rapid population growth and diversity of land utilisation. Drastic increase of agricultural products, deprivation of enthusiasm, and price falls has required the government to improve market price and productivity of irrigation agriculture. Thus the government is promoting irrigation rehabilitation program.</p>		

STUDY SUMMARY SHEET (M/P+F/S)

ASE IDN/S 202/03

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study for Development of the Greater Jakarta Metropolitan Ports of Indonesia	
3. SECTOR	Transportation / Port	
4. TYPE OF STUDY	M/P+F/S	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	Pacific Consultants International (PCI) The Overseas Coastal Area Development Institute (OCDI)	
7. STUDY PERIOD	~ ~	
8. SITE OR AREA	the Port area around Jakarta	
9. MAJOR PROPOSED PROJECT(S)		

ジャカルタ大首都圏港湾開発計画調査

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p>Description : (FY 2004 Survey) D/D is in progress.</p> <p>(FY 2005 Domestic Survey) Subsequent study: The detailed design study on the urgent rehabilitation project of the Tj Priok Port (coordinated D/D) Implementing period: February 2005-January 2006 Implementing body: JICA Objectives: To shorten consulting contract period for early implementation by conducting site survey and construction design. Relationship with the report: The mentioned study has proposed for a removal and construction of existing breakwater, and expansion channel to expand existing facilities in Tj Priok port as an urgent project. The Indonesian government requested a loan from JBIC, which the L/A was concluded in March 2003. Objective of the study is to survey, design, and prepare tender document for the construction. Status: Construction of vehicle terminal has also been proposed as an urgent project. Request has been made by DGAC but has not been considered for a loan due to unsettled negotiation between the land owners of the terminal construction site. Request has again been made for a loan to JBIC, though not considered due to unsettled issue of land acquisition.</p> <p>(FY 2005 Overseas Survey) Subsequent study: The urgent rehabilitation project of the Tj Priok Port Funding: Funding party: Yen Loan L/A concluded on 31 March 2004 Amount: 12.052 million JPY Status: Implementation of second and third phase is planned.</p>		

STUDY SUMMARY SHEET (M/P)

ASE IDN/S 101/04

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on the Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia (STRAMINDO)	
3. SECTOR	Transportation / Marine Transportation & Ships	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Directorate General of Sea Communication (DGSC)
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	ALMEC Corporation	
7. STUDY PERIOD	Aug.2004 ~ Feb.2005 6month(s) ~	
8. SITE OR AREA	Indonesia	
9. MAJOR PROPOSED PROJECT(S)		
<p>1) Public vessel finance scheme: To finance vessel and shipyard entity qualified for domestic sea transport modernisation</p> <p>2) Advanced maritime education program: To provide educational programs on management related aspects except sailor education.</p>		

内航海運及び海事産業振興マスタープラン調査(船舶整備のための公的金融制度の検討及び海事先進教育プログラムの策定支援) (社会開発部)

PRESENT STATUS	In Progress or In Use
	Delayed
	Discontinued

Description :

(FY 2005 Domestic Survey)

Subsequent project: Domestic sea transportation and maritime fleet preparation

Situation: Although the project is not short-listed between the two countries, 143 million USD was requested as JBIC two step loan.

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 102/04

1. COUNTRY	Indonesia		
2. NAME OF STUDY	The Master Plan Study for the Strategic Policy of the Air Transport Sector		
3. SECTOR	Transportation / Air Transportation & Airport		
4. TYPE OF STUDY	M/P		
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY		
	PRESENT COUNTERPART AGENCY		
6. CONSULTANT(S)	Pacific Consultants International (PCI)		
7. STUDY PERIOD	Feb.2003 ~ Jul.2004 17month(s) ~		
8. SITE OR AREA	Indonesia		
9. MAJOR PROPOSED PROJECT(S)			
<ol style="list-style-type: none"> 1. Improvements of safety management capacity of the Directorate General of Air Communications (DGAC) 2. Improvement of aviation security and policy related capacity of the DGAC 3. Improvement of recurrence prevention and investigation capacity of the Transportation Accident Investigation Committee 4. Establishment of single ATS provider. 5. Transfer of airport jurisdiction from DGAC to national airport entity, AP-I, AP-II, and regional authority. 6. Enhancement of airport sub-sectors (New Medan Airport and Makassar Airport) 7. CNS/ATM (air-traffic control system) sub-sector enhancement (ATM centre and airspace reorganisation) 			

航空セクター長期政策調査 (社会開発部)

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description : (YF 2005 Domestic Survey)(FY 2005 Overseas Survey) Establishment of single ATS provider: Necessary legislation has been approved. Establishment of single ATS provider is prospected in few years. Sub-sector development: JBIC will conduct SAPROF to cooperate in New Medan Airport development. Development is in progress with private funds for Makassar airport. CNS/ATM sub-sector development: Request has been made by the Indonesian government for a F/S on M/P of ATM proposed.</p> <p>Subsequent study: Indonesian aviation security master plan study Implementing body: DGAC Objectives: To consider the details to improve aviation security proposed in the study. Status: JICA D/S in progress S/W study prospected in 2006.</p>	

STUDY SUMMARY SHEET

(M/P)

ASE IDN/S 103/04

1. COUNTRY	Indonesia	
2. NAME OF STUDY	The Study on Regional Educational Development and Improvement Program (phase 2)	
3. SECTOR	Human Resources Development / Education	
4. TYPE OF STUDY	M/P	
5.	COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY	Department of National Education
	PRESENT COUNTERPART AGENCY	
6. CONSULTANT(S)	International Development Center of Japan (IDCJ) PADECO Co., Ltd.	
7. STUDY PERIOD	Jan.2002 ~ Mar.2005 38month(s) ~	
8. SITE OR AREA	Central Java and North Slawesi	
9. MAJOR PROPOSED PROJECT(S)		
<p>Summary of the pilot project:</p> <p>Objective: To improve school based education system through activities consistent with the needs and to acquire democratic school management know-hows and skills to promote participation of local people.</p> <p>Target: 33 TPK in 33 province and 290 junior high school</p> <p>JICA budget: FY 1 - 8,320 million IDR, FY2 - 6,510 million IDR</p> <p>Contents:</p> <p>TPK:</p> <p>1) improvement of education in the province, 2) activities through school principle committee, 3) activities through MGMP</p> <p>Junior high school:</p> <p>1) Improvement of curriculum and teaching method, 2) human resource development, 3) improvement of school management, 4) improvement of educational environment</p>		

地域教育開発支援調査フェーズ2 (人間開発部)

PRESENT STATUS	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued</p>
<p>Description :</p> <p>(FY 2005 Domestic Survey) Subsequent study: REDIP-G (Government) Implementing body: Ministry of National Education Funding: Funding party: own fund Objective: To check legislative issues to implement REDIP model with own funds Status: Task force of the Ministry of National Education has been preparing since December 2004 to implement the project in FY 2005. However, field survey has not been conducted yet due to delays in budget allocation.</p> <p>(FY 2005 Overseas Survey) Subsequent study: Regional Educational Development assistance program Implementation period: September 2004 - September 2008 Content: The project will utilise the result of REDIP-I and REDIP-II. The focus of the project is to localise the system through local officials, whom are main actors in planning and implementation. The project will include Banten Province in addition to Central Java and North Sulawesi Province in order to introduce the system to whole Indonesia.</p>	