

## List of Study

File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
1	1	BRN/S 601/83	Improvement of Brunei Government Printing Department	Other Studies	Architecture & Housing	Discontinued or Cancelled
1	3	BRN/S 101/85	Public Transport System in Negara Brunei Darussalam	M/P	(Transportation in) General	Discontinued or Cancelled
1	5	BRN/A 503/93	Development Survey on the Forest Resources in Brunei Darussalam	Basic Study	Forestry & Forest Conservation	In Progress or In Use
1	7	KHM/S 201/93	Phnom Penh Water Supply System	M/P+F/S	Water Supply	Partially Completed
1	9	KHM/A 201/94	Integrated Agricultural and Rural Development Project in Suburbs of Phnom Penh	M/P+F/S	Irrigation, Drainage & Reclamation	Partially Completed
1	11	KHM/S 302/95	Telecommunications Network for Phnom Penh City and its Surrounding Area	F/S	Telecommunication	Partially Completed
1	13	KHM/S 305/96	Construction of Mekong Bridge	F/S	Road	Completed
1	15	KHM/S 201/97	Master Planning and Feasibility Study of the Sihanoukville Port in the Kingdom of Cambodia	M/P+F/S	Port	Implementing
1	17	KHM/A 307/97	Agricultural Development Study of the Mekong Flooded Area	F/S	(Agriculture in) General	Partially Completed
1	19	KHM/S 501/98	Topographic Mapping for Angkor Archaeological Area in Siem Reap Region	Basic Study	Survey & Mapping	In Progress or In Use
1	21	KHM/S 203/99	Study on Drainage Improvement and Flood Control in the Municipality of Phnom Pehn	M/P+F/S	Sewerage	Partially Completed
1	23	KHM/S 201/00	Study on Water Supply System for Siem Reap Region in Cambodia	M/P+F/S	Water Supply	Completed
1	25	KHM/S 101/01	The Transport Master Plan on the Phnom Penh Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
1	27	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
1	29	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
1	31	KHM/S 202/01	Study on Groundwater Development in Southern Cambodia	M/P+F/S	Water Resources Development	Partially Completed
1	33	KHM/S 503/01	A Study on the Establishment of GIS Map Data for Cambodia	Basic Study	Survey & Mapping	In Progress or In Use
1	35	KHM/S 203/02	The Study on Groundwater Development in Central Cambodia	M/P+F/S	Disaster Relief	Partially Completed
1	37	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	Partially Completed
1	39	KHM/S 201/03	The Study on Regional Development for the Phnom Penh - Sihanoukville Growth Corridor	M/P+F/S	Integrated Regional Development Plan	Implementing
1	41	KHM/S 201/04	Study on Solid Waste Management of Phnom Penh Municipality in the Kingdom of Cambodia	M/P+F/S	Environmental Problems	Partially Completed
1	43	KHM/S 102/05	The study on integrated master plan for sustainable development of Siem Reap/Angkor Town in the Kingdom of Cambodia	M/P	Integrated Regional Development Plan	In Progress or In Use
1	45	KHM/S 201/05	The study on the master plan of Greater Phnom Penh water supply (phase 2) in the Kingdom of Cambodia	M/P+F/S	Water Supply	Implementing
1	47	KHM/S 501/05	The study on the construction of the Second Mekong Bridge in the Kingdom of Cambodia	F/S	(Transportation in) General	Promoting
1	49	KHM/S 101/06	The Study on the Road Network Development in the Kingdom of Cambodia	M/P	Road	In Progress or In Use
1	51	KHM/M 102/06	The Study on Economic Policy Support in the Kingdom of Cambodia	M/P	Trade	In Progress or In Use
1	53	KHM/A 201/06	Feasibility Study on Establishment of Open Paddy Market in Cambodia	M/P+F/S	(Agriculture in) General	Promoting
1	55	KHM/S 101/07	The Study on the Master Plan for Maritime and Port Sectors in the Kingdom of Cambodia	M/P	Marine Transportation & Ships	In Progress or In Use
1	57	KHM/S 102/07	Development Study on Strengthening Maternal and Child Health Service Performance in Cambodia	M/P	Public Health and Medicine	In Progress or In Use
1	59	KHM/A 101/08	Basin-Wide Basic Irrigation and Drainage Master Plan Study in the Kingdom of Cambodia	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
1	61	KHM/A 301/08	The Study on Comprehensive Agricultural Development of Prek Thnot River Basin in the Kingdom of Cambodia	M/P+F/S	(Agriculture in) General	Processing
1	63	IDN/S 601/74	Solo River Basin Development (Follow-Up)	Other Studies	Water Resources Development	In Progress or In Use
1	65	IDN/S 101/75	Java Regional Study, East Java	M/P	Integrated Regional Development Plan	In Progress or In Use
1	67	IDN/S 301/75	Wonogiri Multipurpose Dam Project	F/S	Water Resources Development	Completed

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1	69	IDN/A 301/76	Wonogiri Irrigation and Upper Solo River Improvement Project	F/S	(Agriculture in) General	Completed
1	71	IDN/S 302/76	Wonogiri Irrigation and Upper Solo River Improvement Project	F/S	River & Erosion Control	Completed
1	73	IDN/S 303/76	Central and East Java Road Betterment Project	F/S	Road	Completed
1	75	IDN/S 102/77	Java Regional Study: Central Java	M/P	Integrated Regional Development Plan	In Progress or In Use
1	77	IDN/S 304/77	Development Plan of the Banjarmasin Port	F/S	Port	Completed
1	79	IDN/S 602/77	Brantas River Basin Development Plan (Follow-Up)	Other Studies	River & Erosion Control	In Progress or In Use
1	81	IDN/S 603/77	Brantas Middle Reaches River Improvement Project (Follow-Up)	Other Studies	River & Erosion Control	In Progress or In Use
1	83	IDN/S 103/78	North and West Sumatra Tourism	M/P	(Tourism in) General	In Progress or In Use
1	85	IDN/S 201B/78	Ular River Improvement Project	M/P+F/S	River & Erosion Control	Completed
1	87	IDN/S 305/78	Jakarta Ring Road Project	F/S	Road	Partially Completed
1	89	IDN/S 306/78	Expansion Project of the Bitung Port	F/S	Port	Processing
1	91	IDN/S 307/78	Development Plan of the Port of Semarang	F/S	Port	Completed
1	93	IDN/S 308/78	Hospital Facilities Improvement Project	F/S	Architecture & Housing	Completed
1	95	IDN/A 501/78	Forest Inventory for Management and Logging in Central Java	Basic Study	Forestry & Forest Conservation	In Progress or In Use
1	97	IDN/S 604/78	Wonogiri Irrigation and River Improvement Project (Follow-Up)	Other Studies	River & Erosion Control	In Progress or In Use
1	99	IDN/S 104/79	Shipbuilding Industry Development	M/P	Marine Transportation & Ships	In Progress or In Use
1	101	IDN/S 107/79	Central South Sulawesi Water Resources Development Project	M/P	Water Resources Development	In Progress or In Use
1	103	IDN/A 302/79	Riam Kanan Irrigation Project	F/S	(Agriculture in) General	Partially Completed
1	105	IDN/S 309/79	Expansion Project of the Port of Balikpapan	F/S	Port	Completed
1	107	IDN/S 310/79	Borobudur Prambanan: National Archeological Parks	F/S	(Tourism in) General	Completed
1	109	IDN/S 605/79	Jakarta-Merak Highway Project: Jakarta/Tangerang Freeway Financial Study (Follow-Up)	Other Studies	Road	In Progress or In Use
1	111	IDN/A 101/80	Watershed Management Plan in Upper Musi Watershed, South Sumatra	M/P	Forestry & Forest Conservation	In Progress or In Use
1	113	IDN/S 105/80	Removal of Sunken Vessels	M/P	Marine Transportation & Ships	In Progress or In Use
1	115	IDN/S 106/80	Southern Coast Development Plan, East Java	M/P	Integrated Regional Development Plan	In Progress or In Use
1	117	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
1	119	IDN/S 109/80	Medan Area Transportation	M/P	Urban Transportation	In Progress or In Use
1	121	IDN/S 311/80	Small and Medium Sized Town Water Supply Projects in Sulawesi	F/S	Water Supply	Completed
1	123	IDN/S 312/80	Reinforcement and Expansion Plan of P. T. IKI Makassar Shipyard at Ujung Pandang	F/S	Marine Transportation & Ships	Discontinued or Cancelled
1	125	IDN/S 313/80	Madiun River Urgent Improvement Project	F/S	River & Erosion Control	Completed
1	127	IDN/S 501/80	Local Roads Support Works in Seven Provinces	Basic Study	Road	In Progress or In Use
1	129	IDN/S 202B/81	Low Cost Housing Project in Cengkareng	M/P+F/S	Architecture & Housing	Discontinued or Cancelled
1	131	IDN/S 203B/81	Development Project of the Port of Sorong	M/P+F/S	Port	Discontinued or Cancelled
1	133	IDN/S 204/81	Improvement of Telephone Network in the City of Jakarta	M/P+F/S	Telecommunication	Completed
1	135	IDN/A 303/81	Langkemme Irrigation Project	F/S	(Agriculture in) General	Completed

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1	137	IDN/S 314/81	Coastal Radio Communications Maritime Communication System	F/S	Telecommunication	Completed
1	139	IDN/S 316/81	Telecommunication Network in Developing Areas Surrounding Medan and Ujung Pandang	F/S	Telecommunication	Completed
1	141	IDN/S 317/81	Jakarta Harbour Road Project	F/S	Road	Completed
1	143	IDN/S 318/81	Padang Airport Development	F/S	Air Transportation & Airport	Processing
1	145	IDN/A 102/82	Post-Harvest Losses	M/P	Agricultural Processing	In Progress or In Use
1	147	IDN/S 110/82	Long Term Development Plan of Maritime Communication System	M/P	Telecommunication	In Progress or In Use
1	149	IDN/S 204B/82	Urban/Suburban Railway Transportation in Jabotabek Area	M/P+F/S	Railway	Completed
1	151	IDN/S 205B/82	Telecommunications Network Development in the Eastern Part	M/P+F/S	Telecommunication	Completed
1	153	IDN/A 304/82	Komering-1 Irrigation Development Project in the Upper Komering River Basin	F/S	(Agriculture in) General	Partially Completed
1	155	IDN/A 305/82	Rice Pest Forecasting and Control Project	F/S	(Agriculture in) General	Completed
1	157	IDN/A 306/82	Rice Seed Production and Distribution Project	F/S	(Agriculture in) General	Completed
1	159	IDN/A 307/82	Bila Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Completed
1	161	IDN/A 308/82	Sanrego Irrigation Project	F/S	(Agriculture in) General	Completed
1	163	IDN/S 319/82	Lower Jeneberang River Flood Control Project/Jeneberang River Flood Control Project (Phase II)	F/S	River & Erosion Control	Completed
1	165	IDN/S 320/82	Bali International Airport Development	F/S	Air Transportation & Airport	Partially Completed
1	167	IDN/S 111/83	Electrification Project of Main Railway Lines in Java	M/P	Railway	In Progress or In Use
1	169	IDN/S 112/83	Urban Development Planning on Gerbangketosusila Region (Surabaya Metropolitan Area)	M/P	Urban Planning & Land Development	In Progress or In Use
1	171	IDN/S 113/83	North Banten Water Resources Development	M/P	Water Resources Development	In Progress or In Use
1	173	IDN/S 114/83	Long Term Development Programs of the International Telecommunications	M/P	(Comms. & Broad. in) General	In Progress or In Use
1	175	IDN/S 206B/83	Development Project of Dumai Port	M/P+F/S	Port	Partially Completed
1	177	IDN/S 207B/83	Padang Area Flood Control Project	M/P+F/S	River & Erosion Control	Partially Completed
1	179	IDN/A 309/83	K-C-C Irrigation Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1	181	IDN/S 321/83	Urban Renewal Housing Project in Jakarta	F/S	Urban Planning & Land Development	Discontinued or Cancelled
1	183	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
1	185	IDN/S 209B/84	Jakarta Water Supply Development Project	M/P+F/S	Water Supply	Completed
1	187	IDN/S 322/84	Nusa Tenggara Area Terrestrial Transmission Network Project	F/S	Telecommunication	Completed
1	189	IDN/S 323/84	New Railway Line for Cengkareng Airport	F/S	Railway	Discontinued or Cancelled
1	191	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
1	193	IDN/S 325/84	Volcanic Debris Control and Water Conservation Project in the Southeastern Slope of Mt. Semeru	F/S	River & Erosion Control	Completed
1	195	IDN/S 115/85	Master Plan on the Development of Aids to Navigation System	M/P	Marine Transportation & Ships	In Progress or In Use
1	197	IDN/S 116/85	Lower Asahan River Basin Development	M/P	Water Resources Development	In Progress or In Use
1	199	IDN/S 117/85	Rural Telecommunications Network	M/P	Telecommunication	In Progress or In Use
1	201	IDN/S 210B/85	Ujung Pandang Water Supply Development Project	M/P+F/S	Water Supply	Completed
1	203	IDN/S 211B/85	Widas Flood Control and Drainage Project	M/P+F/S	Water Resources Development	Implementing

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1	205	IDN/S 326/85	Karian Multipurpose Dam Construction Project	F/S	Water Resources Development	Promoting
1	207	IDN/S 327/85	Railway Improvement in Kampung Bandan Station Area	F/S	Railway	Partially Completed
1	209	IDN/S 328/85	Electrification Project of Main Line in Java	F/S	Railway	Discontinued or Cancelled
1	211	IDN/S 329/85	Local Road Development	F/S	Road	Completed
1	213	IDN/S 330/85	Improvement Project of Telephone Network in Medan, Semarang and Solo	F/S	Telecommunication	Completed
1	215	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
1	217	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
1	219	IDN/S 118/86	Long Term Planning for Development of Telecommunications System	M/P	(Comms. & Broad. in) General	In Progress or In Use
1	221	IDN/S 212B/86	Development Plan of the Port of Semarang (Phase II)	M/P+F/S	Port	Completed
1	223	IDN/S 213B/86	Airport Development Project in Central Java and Jogjakarta	M/P+F/S	Air Transportation & Airport	Completed
1	225	IDN/S 331/86	Surabaya-Banjarmasin Submarine Cable Project	F/S	Telecommunication	Completed
1	227	IDN/A 103/87	Multiplication and Distribution of Improved Soybean Seed and Seed Potato	M/P	(Agriculture in) General	In Progress or In Use
1	229	IDN/S 119/87	Arterial Road System Development Study in Jakarta Metropolitan Area	M/P	Road	In Progress or In Use
1	231	IDN/S 120/87	Regional Development Project in the Western Part of Java	M/P	(Tourism in) General	In Progress or In Use
1	233	IDN/S 121/87	Future Demand of the Inter-Island Traffic	M/P	Air Transportation & Airport	In Progress or In Use
1	235	IDN/S 332/87	Solid Waste Management System Improvement Project in the City of Jakarta	F/S	Urban Sanitation	Partially Completed
1	237	IDN/S 333/87	Trans-Sumatra Terrestrial Digital Transmission System	F/S	Telecommunication	Completed
1	239	IDN/S 122/88	Ujung Pandang Area Highway Development Study	M/P	Urban Transportation	In Progress or In Use
1	241	IDN/S 123/88	Maritime Safety Plan Concerning Search and Rescue	M/P	Marine Transportation & Ships	In Progress or In Use
1	243	IDN/S 214B/88	Flood Control Plan of the Upper Citarum Basin	M/P+F/S	River & Erosion Control	Implementing
1	245	IDN/A 310/88	Batang Kumu Irrigation Project in Riau Province	F/S	(Agriculture in) General	Discontinued or Cancelled
1	247	IDN/S 334/88	Kalimantan-Sulawesi Submarine Cable System	F/S	Telecommunication	Completed
1	249	IDN/S 335/88	Disaster Prevention Project in the Southeastern Slope of Mt. Galunggung	F/S	River & Erosion Control	Completed
1	251	IDN/S 336/88	Implementation of Intra-City Digital Microwave Subscriber System	F/S	Telecommunication	Discontinued or Cancelled
1	253	IDN/S 337/88	Urgent Bali Beach Conservation Project	F/S	River & Erosion Control	Processing
1	255	IDN/A 104/89	Negara River Basin Overall Irrigation Development Plan	M/P	(Agriculture in) General	In Progress or In Use
1	257	IDN/A 105/89	Improvement of Rice Post Harvest and Marketing in Farmer Groups	M/P	Agricultural Processing	In Progress or In Use
1	259	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
1	261	IDN/S 215B/89	Kemayoran Urban Housing Development Project	M/P+F/S	Urban Planning & Land Development	Implementing
1	263	IDN/S 216B/89	Integrated Radio and Television Servicing System Project	M/P+F/S	Broadcasting	Completed
1	265	IDN/S 217/89	Long-Term and Medium-Term Plan for Telecommunications Network in Jabotabek Area	M/P+F/S	Telecommunication	Completed
1	267	IDN/A 311/89	Industrial Plantation Forest Development Plan in South Sumatra Area	F/S	Forestry & Forest Conservation	Completed
1	269	IDN/S 338/89	Cikampek-Cirebon Tollway Project	F/S	Road	Implementing
1	271	IDN/S 126/90	Airport Maintenance and Rehabilitation	M/P	Air Transportation & Airport	In Progress or In Use

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1	273	IDN/A 201B/90	Master Plan Study on Lower Asahan River Basin Development	M/P+F/S	(Agriculture in) General	Promoting
1	275	IDN/S 217B/90	Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area	M/P+F/S	Railway	Partially Completed
1	277	IDN/S 218B/90	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas	M/P+F/S	Telecommunication	Completed
1	279	IDN/S 219B/90	Urban Drainage and Waste Water Disposal Project in the City of Jakarta	M/P+F/S	Sewerage	Implementing
1	281	IDN/A 312/90	Air Selagan Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1	283	IDN/S 339/90	Bogor-Bandung Road Project	F/S	Road	Promoting
1	285	IDN/S 340/90	Maintenance Dredging in the Access Channel of Banjarmasin Port	F/S	Port	Implementing
1	287	IDN/S 220B/91	Belawan-Padang Integrated River Basin Development	M/P+F/S	River & Erosion Control	Partially Completed
1	289	IDN/A 313/91	Nias Island Irrigation and Agricultural Development Project	F/S	(Agriculture in) General	Promoting
1	291	IDN/S 341/91	Surabaya - Mojokerto Toll Road Project	F/S	Road	Promoting
1	293	IDN/S 106/92	Telecommunications Network Development Plan for Repelita-VI	M/P	Telecommunication	In Progress or In Use
1	295	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
1	297	IDN/S 221B/92	Development of Coastal Roads in East Coast of Sumatra	M/P+F/S	Road	Implementing
1	299	IDN/S 222B/92	The Development of the Nationwide Ferry Service Routes	M/P+F/S	Port	Processing
1	301	IDN/A 314/92	Land Development Project: Improvement of Land and Irrigation Systems at Farm Level	F/S	(Agriculture in) General	Completed
1	303	IDN/A 315/92	Rokan River Basin Overall Irrigation Development Plan	F/S	(Agriculture in) General	Promoting
1	305	IDN/S 342/92	IKK System Water Supply Project in Provinces of Central Java, East Java and Bali	F/S	Water Supply	Completed
1	307	IDN/S 343/92	Cidanau-Cibanten Water Resources Development Project	F/S	Water Resources Development	Delayed or Suspended
1	309	IDN/S 344/92	The Development of Waste Water Disposal for Denpasar	F/S	Sewerage	Implementing
1	311	IDN/A 112/93	Formulation of Irrigation Development Program	M/P	(Agriculture in) General	In Progress or In Use
1	313	IDN/S 203/93	Solid Waste Management Improvement for Surabaya City	M/P+F/S	Urban Sanitation	Completed
1	315	IDN/S 204/93	Integrated Modernization Plan for Sea Transportation in Eastern Indonesia	M/P+F/S	Port	Partially Completed
1	317	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
1	319	IDN/A 323/93	Upland Plantation and Land Development Project at Citarik Watershed	F/S	Forestry & Forest Conservation	Implementing
1	321	IDN/A 316/94	Coastal Resources Inventory Management and Enhancement	F/S	Fishery	Partially Completed
1	323	IDN/S 345/94	Urban Arterial Road System Development Project in Jakarta Metropolitan Area	F/S	Road	Delayed or Suspended
1	325	IDN/S 346/94	Ciujung-Cidurian Integrated Water Resources	F/S	Water Resources Development	Promoting
1	327	IDN/A 106/95	Small Scale Impounding Pond Development Project	M/P	(Agriculture in) General	In Progress or In Use
1	329	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
1	331	IDN/S 128/95	Engineering Manpower Development Planning	M/P	Others	In Progress or In Use
1	333	IDN/S 223/95	Container Cargo Handling Ports & Dry Ports and its Connecting Railway	M/P+F/S	Port	Partially Completed
1	335	IDN/S 224/95	Kampar-Indragiri River Basin Development Project	M/P+F/S	Water Resources Development	Promoting
1	337	IDN/S 225/95	Waste Water Disposal and Solid Waste Management for the City of Ujung Pandang	M/P+F/S	Urban Sanitation	Promoting
1	339	IDN/A 317/95	Gilirang Irrigation Project	F/S	(Agriculture in) General	Processing

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1	341	IDN/A 101/96	Third Umbrella Cooperation for Integrated Agricultural and Rural Development	M/P	(Agriculture in) General	In Progress or In Use
1	343	IDN/S 203/96	Comprehensive River Water Management Plan in JABOTABEK	M/P+F/S	River & Erosion Control	Delayed or Suspended
1	345	IDN/S 401/96	Medan Flood Control Project	D/D	River & Erosion Control	Partially Completed
1	347	IDN/S 102/97	Integrated Air Quality Management for Jakarta Metropolitan Area	M/P	Environmental Problems	In Progress or In Use
1	349	IDN/S 204/97	Flood Control for Ambon and Pasahari Area	M/P+F/S	River & Erosion Control	Discontinued or Cancelled
1	351	IDN/S 205/97	The Revise of Jakarta Water Supply Development Project	M/P+F/S	Water Supply	Implementing
1	353	IDN/S 206/97	Arterial Road System Development in Surabaya Metropolitan Area	M/P+F/S	Road	Delayed or Suspended
1	355	IDN/A 309/97	Social Forestry Development Project in the Upper Musi Watershed	F/S	Forestry & Forest Conservation	Partially Completed
1	357	IDN/S 402/97	Detailed Design for Urban Drainage Project in the City of Jakarta	D/D	Sewerage	Delayed or Suspended
1	359	IDN/S 102/98	Port Development Strategy	M/P	Port	In Progress or In Use
1	361	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
1	363	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
1	365	IDN/S 113/98	Comprehensive Development Plan for the Western Part of Kalimantan	M/P	Integrated Regional Development Plan	In Progress or In Use
1	367	IDN/A 117/98	Improvement in Quality of the Tropical Fruits	M/P	(Agriculture in) General	In Progress or In Use
1	369	IDN/S 203/98	Road Network Study in Central and South-East Sulawesi	M/P+F/S	Road	Partially Completed
1	371	IDN/S 204/98	Nationwide Ferry Service Route, Stage 2	M/P+F/S	Marine Transportation & Ships	Partially Completed
1	373	IDN/A 219/98	Integrated Development Project for Rural Cooperatives	M/P+F/S	(Agriculture in) General	Delayed or Suspended
1	375	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	Delayed or Suspended
1	377	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
1	379	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
1	381	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
1	383	IDN/S 104/01	The Study on Regional Educational Development and Improvement Project	M/P	Education	In Progress or In Use
1	385	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
1	387	IDN/A 203/01	The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed	M/P+F/S	Forestry & Forest Conservation	Partially Completed
1	389	IDN/A 201/02	The Study on Fisheries Infrastructure Support and Coastal Communities Development Plan in Eastern Indonesia	M/P+F/S	Fishery	Processing
1	391	IDN/S 204/02	The Study on the Development Scheme for the Principal River Ports in Indonesia	M/P+F/S	Disaster Relief	Promoting
1	393	IDN/S 205/02	Study for the Maritime Traffic Safty System Development Plan	M/P+F/S	Marine Transportation & Ships	Implementing
1	395	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	Delayed or Suspended
1	397	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
1	399	IDN/S 101/03	The Study on Complehensive Water Management of Musi River Basin	M/P+F/S	River & Erosion Control	Promoting
1	401	IDN/S 102/03	The Study on Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia	M/P	Marine Transportation & Ships	In Progress or In Use
1	403	IDN/A 201/03	The study for Comprehenine Recovery Programmes of Irrigation Agriculture	M/P+F/S	Irrigation, Drainage & Reclamation	Promoting
1	405	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
1	407	IDN/S 202/03	The Study for Development of the Greater Jakarta Metropokitan Ports of Indonesia	M/P+F/S	Port	Implementing

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
1	409	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 & Ships	In Progress or In Use
1	411	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
1	413	IDN/S 103/04	The Study on Regional Educational Development and Improvement Program (phase 2)	M/P	Education	In Progress or In Use
1	415	IDN/S 101/05	The study on the urgent rehabilitation and reconstruction support program for Aceh Province and affected areas in north Sumatra (urgent rehabilitation and reconstruction plan for Banda Aceh City) in the Republic of Indonesia	M/P	(Social Infrastructure in) General	In Progress or In Use
1	417	IDN/A 102/05	The support program for agriculture and fisheries development in the Republic of Indonesia	M/P	(Agriculture in) General	In Progress or In Use
1	419	IDN/S 201/05	Republic of Indonesia, the urgent rehabilitation and reconstruction support program for Aceh Province and affected areas in north Sumatra : rehabilitation and reconstruction of west coast road in North Sumatra	M/P+F/S	Road	Completed
1	421	IDN/S 202/05	Major airports security system enforcement plan in the Republic of Indonesia	M/P+F/S	Air Transportation & Airport	Partially Completed
1	423	IDN/S 401/05	Detailed design study of the urgent rehabilitation project of the Tanjung Priok port in the Republic of Indonesia	D/D	Port	Processing
1	425	IDN/S 402/05	The Datailed Design Study of Railway Electrification and Double-Double Tracking of Java Main Line Project in Indonesia	D/D	Railway	Promoting
1	427	IDN/S 201/06	Study on Implementation of Integrated Spatial Plan in MAMMIN	M/P+F/S	Integrated Regional Development Plan	Implementing
1	429	IDN/S 202/06	The Study on the Port Security Enhancement Program of Major Indonesia Trade Ports	M/P+F/S	Port	Implementing
1	431	IDN/A 101/07	The Study on the Improvement of Farmers' Income: Agricultural Processing and Rural Microfinance in Indonesia	M/P	(Agriculture in) General	In Progress or In Use
1	433	IDN/S 201/07	The Study on Public-Private Partnership Scheme for Trans Java Toll Road in the Republic of Indonesia	M/P+F/S	(Transportation in) General	Processing
1	435	IDN/S 202/07	The Study on Countermeasures for Sedimentation in the Wonogiri Multipurpose Dam reservoir in the Republic of Indonesia	M/P+F/S	Water Resources Development	Promoting
1	437	IDN/S 203/07	The Study on Arterial Road Network Development Plan for Sulawesi Island and Feasibility Study on Priority Arterial Roads in South Sulawesi Province	M/P+F/S	Road	Promoting
1	439	IDN/S 101/08	The Study on Natural Disaster Management in Indonesia	M/P	(Administration in) General	In Progress or In Use
1	441	IDN/S 102/08	The Study on Development of Regional Railway System of Central Java Region in the Republic of Indonesia	M/P	Railway	In Progress or In Use
1	443	IDN/S 103/08	Study on the Improvement of Employment Services in the Republic of Indonesia	M/P	Labor	In Progress or In Use
1	445	LAO/S 201B/89	Improvement of Drainage System in Vientiane	M/P+F/S	River & Erosion Control	Implementing
1	447	LAO/A 301/89	Agricultural and Rural Development Project in the Suburbs of Vientiane	F/S	(Agriculture in) General	Completed
1	449	LAO/S 301/90	The Ngon Bridge Construction Project	F/S	Road	Completed
1	451	LAO/A 101/92	The Integrated Agricultural Rural Development Project in Savannakhet Province	M/P	(Agriculture in) General	In Progress or In Use
1	453	LAO/S 202B/92	Solid Waste Management System Improvement Project in Vientiane	M/P+F/S	Urban Sanitation	Completed
1	455	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
1	457	LAO/S 203/95	Groundwater Development for Champasak and Saravan Provinces	M/P+F/S	Water Resources Development	Completed
1	459	LAO/S 501/95	Topographic Mapping of Bolikhamxai Province	Basic Study	Survey & Mapping	In Progress or In Use
1	461	LAO/A 201/96	Integrated Agricultural Rural Development Project in Boloven Plateau	M/P+F/S	(Agriculture in) General	Promoting
1	463	LAO/S 306/96	Construction of Mekong Bridge at Pakse	F/S	Road	Completed
1	465	LAO/A 118/98	Watershed Management Plan for Forest Conservation in Vangvieng District	M/P	Forestry & Forest Conservation	In Progress or In Use
1	467	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
1	469	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
1	471	LAO/A 106/01	Master Plan Study on Integrated Agricultural Development	M/P	(Agriculture in) General	In Progress or In Use

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
1	473	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
1	475	LAO/S 113/02	The Study on the Telecommunications Development in Lao P.D.R.	M/P	Telecommunication	In Progress or In Use
1	477	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
1	479	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
1	481	LAO/S 201/03	Vientiane Water Supply Development Project	M/P+F/S	Water Supply	Partially Completed
1	483	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
1	485	LAO/S 101/08	The Study of Master Plan on Comprehensive Urban Transport in Vientiane in Lao PDR	M/P	(Transportation in) General	In Progress or In Use
1	487	MYS/S 301/77	Kuantan-Kuching Submarine Cable Project	F/S	Telecommunication	Completed
1	489	MYS/S 201B/78	Sewerage and Drainage System Project: Butterworth/Bukit Mertajam Metropolitan Area	M/P+F/S	Sewerage	Completed
1	491	MYS/A 201B/79	Trengganu Swamp Area Integrated Agricultural Development	M/P+F/S	(Agriculture in) General	Discontinued or Cancelled
1	493	MYS/S 601/79	Bintulu Deepwater Port Project	Other Studies	Port	In Progress or In Use
1	495	MYS/S 202B/80	Kelantan Port Development Project	M/P+F/S	Port	Discontinued or Cancelled
1	497	MYS/S 302/80	Beluru/Long Lama/Limbank Trunk Road Construction Project in Sarawak	F/S	Road	Completed
1	499	MYS/S 303/80	Flood Forecasting and Warning System in Sabah and Sarawak	F/S	River & Erosion Control	Completed
1	501	MYS/S 203B/81	Sewerage and Drainage System Project in Alor Setar and its Urban Environs	M/P+F/S	Sewerage	Partially Completed
1	503	MYS/S 304/81	VHF/FM Broadcast Coverage for Peninsular Malaysia	F/S	Broadcasting	Completed
1	505	MYS/S 101/82	National Water Resources Study	M/P	Water Resources Development	In Progress or In Use
1	507	MYS/S 204B/82	Urban Transport in Greater Metropolitan Areas of George Town, Butterworth and Bukit Mentajam	M/P+F/S	Road	Promoting
1	509	MYS/S 205B/82	Sewerage and Drainage System Project in Kelang, Port Kelang and its Environs	M/P+F/S	Sewerage	Partially Completed
1	511	MYS/S 305/82	Reclamation Project of Ex-Mining Land for Housing Development and Other Purposes	F/S	Architecture & Housing	Discontinued or Cancelled
1	513	MYS/S 306/82	Kinabatangan River Basin Development Project	F/S	Water Resources Development	Discontinued or Cancelled
1	515	MYS/S 102/83	Railway Development Plan	M/P	Railway	In Progress or In Use
1	517	MYS/S 307/83	VHF/FM Broadcast Coverage for the States of Sabah and Sarawak	F/S	Broadcasting	Completed
1	519	MYS/S 206B/84	JB-Transplan: Road Construction and Improvement Project in Johor Bahru and its Conurbation	M/P+F/S	Road	Completed
1	521	MYS/S 208/84	Perlis Port Development Project	M/P+F/S	Port	Promoting
1	523	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
1	525	MYS/S 309/84	Perlis-Kedah-Pulau Pinang Regional Water Resources (National Water Resources Study)	F/S	Water Resources Development	Discontinued or Cancelled
1	527	MYS/S 103/85	Integrated Development of South Trengganu	M/P	Integrated Regional Development Plan	In Progress or In Use
1	529	MYS/S 104/85	Regional Water Resources of South Johor (National Water Resources Study)	M/P	Water Resources Development	Discontinued or Cancelled
1	531	MYS/S 310/85	Tatau-Kapit Trunk Road Project in Sarawak	F/S	Road	Discontinued or Cancelled
1	533	MYS/S 311/85	New East-West Railway Project and the West Coast Railway Project	F/S	Railway	Discontinued or Cancelled
1	535	MYS/S 105/86	Klang Valley Transportation Study	M/P	Urban Transportation	In Progress or In Use
1	537	MYS/S 312/86	Kuantan-Kota Kinabalu Submarine Cable Project	F/S	Telecommunication	Completed
1	539	MYS/A 302/87	Tanjong Karang Irrigation Development Management Project	F/S	(Agriculture in) General	Completed



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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
1	541	MYS/S 313/87	Computerized Area Traffic Control System in Penang	F/S	Urban Transportation	Completed
1	543	MYS/S 207B/88	Flood Mitigation of the Klang River Basin	M/P+F/S	River & Erosion Control	Implementing
1	545	MYS/S 314/88	National Tourism Development Plan	F/S	(Tourism in) General	Partially Completed
1	547	MYS/S 208B/89	Kelantan River Basin Flood Mitigation	M/P+F/S	River & Erosion Control	Promoting
1	549	MYS/S 209B/89	Solid Waste Management for Pulau Pinang and Seberang Perai Municipalities	M/P+F/S	Urban Sanitation	Partially Completed
1	551	MYS/S 315/89	Transportation Facilities Projects in Klang Valley	F/S	Urban Transportation	Partially Completed
1	553	MYS/S 316/89	Traffic Control and Management System of Malaysian Expressways and Toll Highways	F/S	Road	Implementing
1	555	MYS/A 101/90	Fish Marketing and Distribution System	M/P	Fishery	In Progress or In Use
1	557	MYS/A 202B/90	Rationalization and Crop Diversification in Non-Granary Irrigated Areas	M/P+F/S	(Agriculture in) General	Implementing
1	559	MYS/S 210B/90	Flood Mitigation and Drainage in Penang Island	M/P+F/S	River & Erosion Control	Partially Completed
1	561	MYS/S 317/90	Rail-based Commuter Services in Klang Valley	F/S	Railway	Completed
1	563	MYS/S 211B/91	Development of Rajang Port	M/P+F/S	Port	Partially Completed
1	565	MYS/S 106/92	Highway Network Development Plan	M/P	Road	In Progress or In Use
1	567	MYS/S 107B/92	Maintenance and Rehabilitation of Bridges	M/P	Road	In Progress or In Use
1	569	MYS/S 103/93	Air Quality Management Study for Kelang Valley Region	M/P	Environmental Problems	In Progress or In Use
1	571	MYS/A 311/93	The Pilot Project for Improvement of Fish Marketing and Distribution System in East Johor	F/S	Fishery	Implementing
1	573	MYS/A 102/94	Forest Plantation Development in Northern Sabah	M/P	Forestry & Forest Conservation	In Progress or In Use
1	575	MYS/S 213/94	National River Mouths Study in Malaysia	M/P+F/S	River & Erosion Control	Partially Completed
1	577	MYS/A 312/94	Small Reservoir Development in Peninsular Malaysia	F/S	Irrigation, Drainage & Reclamation	Completed
1	579	MYS/S 107/95	Comprehensive Management Plan of Muda River Basin	M/P	Water Resources Development	In Progress or In Use
1	581	MYS/S 318/95	Introduction of Land Readjustment	F/S	Urban Planning & Land Development	Promoting
1	583	MYS/S 108/96	Standardization of the Bridge Design	M/P	Road	In Progress or In Use
1	585	MYS/S 307/96	Kuala Lumpur Outer Ring Road	F/S	Road	Implementing
1	587	MYS/A 310/97	Forestry Development Project in Marak Parak, Northern Sabah	F/S	Forestry & Forest Conservation	Delayed or Suspended
1	589	MYS/S 205/98	Establishment of the River Basin Information System	M/P+F/S	River & Erosion Control	Completed
1	591	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
1	593	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
1	595	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
1	597	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
1	599	MYS/S 108/01	Slope Disaster Management Study for Federal Highway	M/P	Road	In Progress or In Use
1	601	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
1	603	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
1	605	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
1	607	MYS/S 101/06	The study on national waste minimisation in Malaysia	M/P	Environmental Problems	In Progress or In Use

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1	609	MYS/S 101/08	The Study on Improvement of Planning Capability in Sewerage Sector in Malaysia	M/P	Sewerage	In Progress or In Use
1	611	MYN/A 101/79	Irrawaddy Basin Integrated Agricultural Development Project	M/P	(Agriculture in) General	In Progress or In Use
1	613	MYN/A 301/79	Rice Mill Project	F/S	Agricultural Processing	Completed
1	615	MYN/S 301/80	Rangoon International Airport Development	F/S	Air Transportation & Airport	Implementing
1	617	MYN/A 302/80	South Nawin Irrigation Project	F/S	(Agriculture in) General	Completed
1	619	MYN/A 303/81	Okkan Dam Irrigation Project	F/S	(Agriculture in) General	Completed
1	621	MYN/S 302/84	Construction of Dry - Dock Project	F/S	Marine Transportation & Ships	Promoting
1	623	MYN/S 303/84	Electrification of Rangoon Circular Railway Line	F/S	Railway	Discontinued or Cancelled
1	625	MYN/S 304/86	Irrawaddy River Bridge Construction Project	F/S	(Transportation in) General	Discontinued or Cancelled
1	627	MYN/S 305/86	Track, Telecommunication and Signaling Improvement Project	F/S	Railway	Promoting
1	629	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
1	631	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
1	633	MYN/S 101/04	Development Study for the Improvement of Quality and Access of Basic Education in the Union of Myanmar	M/P	Education	In Progress or In Use
1	635	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
1	637	PHL/S 301/76	Construction Plan of Subic Ship Repair Yard	F/S	Marine Transportation & Ships	Completed
1	639	PHL/A 301/76	Cagayan Integrated Agricultural Development Project	F/S	(Agriculture in) General	Completed
1	641	PHL/S 302/76	Pan-Philippine Highway Ferry Service Plan	F/S	Marine Transportation & Ships	Completed
1	643	PHL/S 303/76	Manila Rapid Transit Railway Line No.1	F/S	Railway	Discontinued or Cancelled
1	645	PHL/A 302/77	Grain Terminal Construction Projects in Manila and Cebu	F/S	Irrigation, Drainage & Reclamation	Discontinued or Cancelled
1	647	PHL/S 304/77	Flood-Forecasting Systems in the Agno, Bicol and Cagayan River Basins	F/S	River & Erosion Control	Completed
1	649	PHL/A 501/77	Fish Finding (Skipjack) Survey	Basic Study	Fishery	Discontinued or Cancelled
1	651	PHL/S 601/77	Pan-Philippine Highway Ferry Service (Follow-Up)	Other Studies	Marine Transportation & Ships	In Progress or In Use
1	653	PHL/S 101/78	Pasig-Potrero River Flood Control and Sabo Project	M/P	Water Resources Development	Discontinued or Cancelled
1	655	PHL/A 303/78	Bohol Integrated Agricultural Development Project	F/S	(Agriculture in) General	Completed
1	657	PHL/S 305/78	C-3 and R-4 and Related Roads Project	F/S	Road	Completed
1	659	PHL/S 306/78	Telecommunications Network Project in the Northern Part of Luzon	F/S	Telecommunication	Completed
1	661	PHL/A 601/78	Review on the Feasibility Study of Fishing Port Package-1	Other Studies	Fishery	In Progress or In Use
1	663	PHL/S 102/79	Bohol Integrated Area Development Project	M/P	Integrated Regional Development Plan	In Progress or In Use
1	665	PHL/S 307/79	Hospital Development Project	F/S	Architecture & Housing	Discontinued or Cancelled
1	667	PHL/S 103/80	Mayon Volcano Sabo and Flood Control Project	M/P	River & Erosion Control	In Progress or In Use
1	669	PHL/A 304/80	Ilocos Norte Irrigation Project	F/S	(Agriculture in) General	Partially Completed
1	671	PHL/S 308/80	Manila-Bataan Coastal Road and its Related Roads	F/S	Road	Discontinued or Cancelled
1	673	PHL/S 104/81	Davao City Urban Transport and Land Use	M/P	Urban Transportation	In Progress or In Use
1	675	PHL/S 309/81	Rural Telecommunications Project in Regions III (Central Luzon) and IV (Southern Tagalog)	F/S	Telecommunication	Completed

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1	677	PHL/S 310/81	Pampanga Delta Development Project	F/S	River & Erosion Control	Implementing
1	679	PHL/S 201B/82	Development Project of the Port of Irene	M/P+F/S	Port	Promoting
1	681	PHL/S 202B/82	Local Water Supply Projects	M/P+F/S	Water Supply	Partially Completed
1	683	PHL/A 305/82	Mabini Agricultural Development Project	F/S	(Agriculture in) General	Promoting
1	685	PHL/A 306/82	Alcogas Project	F/S	(Agriculture in) General	Discontinued or Cancelled
1	687	PHL/S 311/82	Dalton Pass Tunnel Project	F/S	Road	Discontinued or Cancelled
1	689	PHL/S 312/82	Metro Manila Outer Major Roads Project (Southern Package)	F/S	Road	Partially Completed
1	691	PHL/S 501/82	Topographic Mapping Project for Cagayan Valley	Basic Study	Survey & Mapping	In Progress or In Use
1	693	PHL/A 307/83	Matuno River Development Project	F/S	(Agriculture in) General	Promoting
1	695	PHL/A 308/83	Improvement Project of the Operation & Maintenance of National Irrigation Systems (UPRIIS)	F/S	(Agriculture in) General	Processing
1	697	PHL/A 309/83	Improvement Project of the Operation & Maintenance of National Irrigation Systems (AMRIS)	F/S	(Agriculture in) General	Completed
1	699	PHL/S 313/83	Metro Manila Outer Major Roads Project (Northern Package)	F/S	Road	Implementing
1	701	PHL/S 602/83	Mayon Volcano Sabo and Flood Control Project (Re-Study)	Other Studies	River & Erosion Control	In Progress or In Use
1	703	PHL/A 101/84	Nationwide Ice Plants and Cold Storages Network System	M/P	Fishery	In Progress or In Use
1	705	PHL/S 105/84	Infanta - Real Area Urban Development Project	M/P	Urban Planning & Land Development	Delayed
1	707	PHL/A 310/84	Gumain River Irrigation Project	F/S	(Agriculture in) General	Delayed or Suspended
1	709	PHL/S 314/84	Development Project of the Port of San Fernando	F/S	Port	Implementing
1	711	PHL/S 315/84	Development Project on the Meteorological Telecommunication System	F/S	Meteorology & Seismology	Completed
1	713	PHL/S 316/84	Philippine Road Disaster Prevention Project	F/S	Road	Partially Completed
1	715	PHL/S 106/85	Panay River Basin Wide Flood Control	M/P	River & Erosion Control	In Progress or In Use
1	717	PHL/S 107/85	Metro Manila Transportation Planning	M/P	Urban Transportation	In Progress or In Use
1	719	PHL/S 203B/85	Development Project on the Port of Batangas	M/P+F/S	Port	Implementing
1	721	PHL/A 311/85	Asue River Basin Agricultural Development Project	F/S	(Agriculture in) General	Delayed or Suspended
1	723	PHL/A 312/85	Bohol Irrigation Development Project (Phase II)	F/S	(Agriculture in) General	Partially Completed
1	725	PHL/S 317/85	San Roque Multipurpose Project (Re-Study)	F/S	Water Resources Development	Implementing
1	727	PHL/S 318/85	Philippine Road Disaster Prevention Project (Stage II)	F/S	Road	Partially Completed
1	729	PHL/S 204B/86	Municipal Water Supply Project	M/P+F/S	Water Supply	Partially Completed
1	731	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
1	733	PHL/S 108/87	Cagayan River Basin Water Resources Development	M/P	Water Resources Development	In Progress or In Use
1	735	PHL/S 319/87	Road Improvement Project on the Pan-Philippine Highway (Philippines-Japan Friendship Highway)	F/S	Road	Partially Completed
1	737	PHL/S 320/87	Manila South Port Rehabilitation Project	F/S	Port	Completed
1	739	PHL/A 103/88	Integrated Agricultural/Rural Development Project in Western Samar	M/P	(Agriculture in) General	In Progress or In Use
1	741	PHL/A 313/88	Highland Integrated Rural Development Project in La Trinidad, Province of Benguet	F/S	(Agriculture in) General	Completed
1	743	PHL/A 314/88	Improvement of Operation and Maintenance in Pumping Irrigation Systems	F/S	Irrigation, Drainage & Reclamation	Promoting

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1	745	PHL/S 321/88	Rural Road Network Development Project	F/S	Road	Partially Completed
1	747	PHL/S 502/88	Establishment of Graphic Information Base Project of National Capital Region	Basic Study	Survey & Mapping	In Progress or In Use
1	749	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
1	751	PHL/A 104/89	Fish Transport System	M/P	Fishery	In Progress or In Use
1	753	PHL/A 105/89	Small Water Impounding Management Project	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
1	755	PHL/A 201B/89	Integrated Agricultural Development Project in Marinduque	M/P+F/S	(Agriculture in) General	Partially Completed
1	757	PHL/S 205B/89	Groundwater Development in Panay Island	M/P+F/S	Water Resources Development	Partially Completed
1	759	PHL/S 206B/89	Flood Control and Drainage Project in Metro Manila	M/P+F/S	River & Erosion Control	Partially Completed
1	761	PHL/S 322/89	Rehabilitation and Maintenance of Bridges along Arterial Roads	F/S	Road	Completed
1	763	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
1	765	PHL/A 315/90	Integrated Jala-Jala Rural Development Project	F/S	(Agriculture in) General	Completed
1	767	PHL/A 316/90	Improvement of Seed Production and Distribution, and Establishment of Appropriate Seed Storage System	F/S	(Agriculture in) General	Partially Completed
1	769	PHL/S 323/90	Rural Road Network Development Project (II)	F/S	Road	Processing
1	771	PHL/A 107/91	Small-Scale Irrigation Development Project (SSIDP)	M/P	(Agriculture in) General	In Progress or In Use
1	773	PHL/S 109/91	Calabarzon Integrated Regional Development	M/P	Integrated Regional Development Plan	In Progress or In Use
1	775	PHL/S 110/91	Ilog-Hilabangan River Basin Flood Control Project	M/P	River & Erosion Control	Delayed
1	777	PHL/S 207B/91	Agno River Basin Flood Control	M/P+F/S	River & Erosion Control	Implementing
1	779	PHL/S 324/91	Rural Road Disaster Prevention Project	F/S	Road	Implementing
1	781	PHL/S 325/91	Balara Water Treatment Plant Rehabilitation Project	F/S	Water Supply	Completed
1	783	PHL/A 108/92	Integrated Rural Development Program in Pampanga	M/P	(Agriculture in) General	In Progress or In Use
1	785	PHL/S 111/92	Master Plan on Maritime Safety	M/P	Marine Transportation & Ships	In Progress or In Use
1	787	PHL/S 208B/92	Nationwide Roll-on Roll-off Transport System Development	M/P+F/S	Port	Implementing
1	789	PHL/S 209B/92	The Development Plan of Davao International Airport	M/P+F/S	Air Transportation & Airport	Implementing
1	791	PHL/S 503/92	Groundwater Development in Metro Manila	Basic Study	Water Resources Development	In Progress or In Use
1	793	PHL/S 106/93	Luzon Island Strategic Road Network Development Project	M/P	Road	In Progress or In Use
1	795	PHL/S 107/93	Telecommunication Network Project	M/P	Telecommunication	In Progress or In Use
1	797	PHL/A 113/93	Study for Strengthening the Agricultural Cooperatives System	M/P	(Agriculture in) General	In Progress or In Use
1	799	PHL/S 206/93	Metro Manila Urban Expressway System Study	M/P+F/S	Road	Partially Completed
1	801	PHL/S 112/94	Greater Capital Region Integrated Port Development Study	M/P	Port	In Progress or In Use
1	803	PHL/S 115/94	Cebu Integrated Area Development	M/P	Integrated Regional Development Plan	In Progress or In Use
1	805	PHL/A 202/94	Marikina Watershed Development Project	M/P+F/S	Forestry & Forest Conservation	Implementing
1	807	PHL/S 211/94	Flood Control for Rivers in the Selected Urban Centers	M/P+F/S	River & Erosion Control	Partially Completed
1	809	PHL/A 317/94	Upland Irrigation and Rural Development Project in Southern Luzon	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
1	811	PHL/A 318/94	Development of Viable Agrarian Reform Communities in Southern Palawan	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
1	813	PHL/S 116/95	Central Luzon Development Program	M/P	Integrated Regional Development Plan	In Progress or In Use
1	815	PHL/S 117/95	Waterworks and Sewerage System in Metro Manila	M/P	(Public Utilities in) General	In Progress or In Use
1	817	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
1	819	PHL/S 326/95	Pan-Philippine Highway Improvement Project	F/S	Road	Partially Completed
1	821	PHL/S 327/95	Cavite Water Supply Development Study	F/S	Water Resources Development	Implementing
1	823	PHL/S 206/96	Selected Airports Master Planning Project	M/P+F/S	Air Transportation & Airport	Implementing
1	825	PHL/S 207/96	Environmentally Sustainable Tourism Development Plan for Northern Palawan	M/P+F/S	(Tourism in) General	Processing
1	827	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
1	829	PHL/A 301/96	Western Legazpi Irrigation and Rural Development Project	F/S	Irrigation, Drainage & Reclamation	Implementing
1	831	PHL/S 402/96	Pan-Philippine Highway Improvement Project (Mindanao Section)	D/D	Road	Implementing
1	833	PHL/S 208/97	Sabo and Flood Control in the Laoag River Basin	M/P+F/S	River & Erosion Control	Implementing
1	835	PHL/A 313/97	Development of Agrarian Reform Communities in Marginal Areas	F/S	(Agriculture in) General	Partially Completed
1	837	PHL/S 105/98	Water Resources Management	M/P	Water Resources Development	In Progress or In Use
1	839	PHL/S 114/98	Davao Integrated Development Program (Preparatory Study)	M/P	Integrated Regional Development Plan	In Progress or In Use
1	841	PHL/A 221/98	Jalaur Irrigation System and Rural Area Development Project	M/P+F/S	(Agriculture in) General	Promoting
1	843	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
1	845	PHL/S 204/99	The Study on Metro Manila Urban Transport Integration	M/P+F/S	Urban Transportation	Processing
1	847	PHL/S 207/99	The Study of New Communications, Navigation and Surveillance /Air Traffic Management System	M/P+F/S	Air Transportation & Airport	Completed
1	849	PHL/S 208/99	The Study on the Subic Bay Port Master Plan	M/P+F/S	Port	Partially Completed
1	851	PHL/S 304/99	Feasibility Study on Upgrading Inter-Urban Highway System (Sta. Rita -Sta. Jose Road Section)	F/S	Road	Processing
1	853	PHL/S 401/99	Detailed Design Study on the Selected Airport (Trunkline) Development Project	D/D	Air Transportation & Airport	Partially Completed
1	855	PHL/A 504/99	Mapping and Land Cover Assessment of Mangrove Areas	Basic Study	Forestry & Forest Conservation	In Progress or In Use
1	857	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
1	859	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
1	861	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
1	863	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
1	865	PHL/A 110/01	The Study on Strengthening of NIA's Management System	M/P	(Agriculture in) General	In Progress or In Use
1	867	PHL/S 205/01	The Study on the Cebu Integrated Port Development Plan (Preparatory Study)	M/P+F/S	Port	Promoting
1	869	PHL/S 301/01	Feasibility Study of the Flood Control Project for the Lower Cagayan River	F/S	River & Erosion Control	Promoting
1	871	PHL/S 209/02	Study on Water Resources Development for Metro Manila	M/P+F/S	Disaster Relief	Processing
1	873	PHL/S 306/02	The Feasibility Study of the Proposed Cavite Busway System in The Republic of The Philippines	F/S	Land Transportation	Promoting
1	875	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
1	877	PHL/S 601/02	The Establishment of the Public-Private Participation Technique of Metro Manila Urban Expressway Construction in the Republic of the Phillipines	Other Studies	Urban Transportation	Delayed
1	879	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

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
1	881	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
1	883	PHL/S 102/03	Earthquake Impact Reduction Study for Metropolitan Manila, Republic of Phillippines	M/P	(Social Infrastructure in) General	In Progress or In Use
1	885	PHL/S 103/03	The Study on the Mater Plan for the Strategic Development of the National port System in the Republic of the Phillippines	M/P	Port	In Progress or In Use
1	887	PHL/S 201/03	The Study on Sabo and Flood Control for Western River Basis of mount Pinatubo in the Republic of the Phillippines	M/P+F/S	River & Erosion Control	Partially Completed
1	889	PHL/S 401/03	The Detailed Design for the New CNS/ ATM System Development Project in the Republic of the Phillipines	D/D	Air Transportation & Airport	Implementing
1	891	PHL/S 101/04	The Study on Drainage Improvement in the Core Area of Metro Manila	M/P	Urban Sanitation	Delayed
1	893	PHL/S 201/04	Study on the Improvement of Existing Bridges along Pasig River and Marikina River	M/P+F/S	Road	Promoting
1	895	PHL/S 202/04	F/S on Road Network Improvement for Development of Regional Growth Centers	M/P+F/S	Road	Promoting
1	897	PHL/S 101/05	The master plan study on the strategy for the improvement of national airports in the Republic of the Philippines	M/P	Air Transportation & Airport	In Progress or In Use
1	899	PHL/S 102/05	The study on domestic shipping development plan in the Republic of the Philippines	M/P	Marine Transportation & Ships	In Progress or In Use
1	901	PHL/S 101/06	The Study on Capacity Building to Promote Clean Development Mechanism Projects	M/P	Environmental Problems	In Progress or In Use
1	903	PHL/S 201/06	Feasibility Study and Implementation Support on the CALA Eas	M/P+F/S	Road	Promoting
1	905	PHL/S 101/07	The Master Plan on Solid Waste Management for Boracay Island and Municipality of Malay	M/P	Environmental Problems	In Progress or In Use
1	907	PHL/S 102/07	The Study on the Nationwide Flood Risk Assessment and the Flood Mitigation Plan for the Selected Areas in the Republic of the Philippines	M/P	River & Erosion Control	In Progress or In Use
1	909	PHL/S 201/07	The Feasibility Study on the Development of Road RO-RO Terminal System for Mobility Enhancement in the Republic of the Philippines	M/P+F/S	Port	Promoting
1	911	PHL/S 501/07	The Study for Mapping Policy and Topographic Mapping for Integrated National Development Plan in the Republic of the Philippines	Basic Study	Survey & Mapping	In Progress or In Use
1	913	PHL/S 101/08	The Study on the Improvement of Internal Revenue Allotment (IRA) System in the Republic of the Philippines	M/P	Public Finance & Banking	In Progress or In Use
1	915	PHL/S 102/08	The study on comprehensive flood mitigation for Cavite Lowland area in the Republic of the Philippines	M/P+F/S	River & Erosion Control	Promoting
2	917	SGP/S 101/78	Dredging Project of the Strait of Singapore	M/P	Port	In Progress or In Use
2	919	SGP/S 301/86	Plant Renovation Project of the Sentosa-1 Earth Station	F/S	Telecommunication	Discontinued or Cancelled
2	921	SGP/S 302/88	Singapore Urban Transport Improvement	F/S	Urban Transportation	Implementing
2	923	SGP/S 303/90	Selected Expressways	F/S	Road	Partially Completed
2	925	THA/S 301/76	Project of Strengthening and/ or Replacement of Steel Bridges on the State Railway	F/S	Railway	Partially Completed
2	927	THA/A 301/77	Irrigated Agricultural Development Project in the West Bank Tract of the Greater Chao Phraya	F/S	(Agriculture in) General	Completed
2	929	THA/S 401/77	Bangkok Telephone Network Project : Junction Lines	D/D	Telecommunication	Completed
2	931	THA/S 302/78	Pattaya Tourism Development	F/S	(Tourism in) General	Discontinued or Cancelled
2	933	THA/S 303/78	Separate System of Metropolitan Water Supply in Bangkok	F/S	Water Supply	Discontinued or Cancelled
2	935	THA/S 304/78	Rural Long Distance Public Telephone Service	F/S	Telecommunication	Completed
2	937	THA/S 305/78	Phetchabun - Chai Badan Highway Project	F/S	Road	Completed
2	939	THA/S 101/79	Bangkok Suburban Transportation Project	M/P	Railway	In Progress or In Use
2	941	THA/A 101/79	Irrigated Agricultural Development in the Greater Mae Klong River	M/P	(Agriculture in) General	In Progress or In Use
2	943	THA/A 302/79	Kamphaeng Saen Irrigated Agriculture Development Project in the Mae Klong River Basin	F/S	(Agriculture in) General	Completed
2	945	THA/S 306/79	Nong Bua - Ban Lam Chi Bon Highway Project	F/S	Road	Completed
2	947	THA/A 303/80	Mae Wang-Kew Lom Irrigated Agriculture Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	949	THA/S 307/80	Bangkok Urban Truck Terminals Construction Project	F/S	Land Transportation	Discontinued or Cancelled
2	951	THA/S 402/80	Bangkok Telephone Network Project: Local Cable Network	D/D	Telecommunication	Completed
2	953	THA/A 304/81	Kaeng Khoi-Ban Mo Pumping Irrigation Project	F/S	(Agriculture in) General	Implementing
2	955	THA/S 201B/82	Road Development in the Northern Region	M/P+F/S	Road	Completed
2	957	THA/A 201B/82	Agricultural Cooperative Promotion	M/P+F/S	(Agriculture in) General	Completed
2	959	THA/S 202B/82	Bangkok Sewerage System Project	M/P+F/S	Sewerage	Completed
2	961	THA/S 203B/82	Bangkok Solid Waste Management	M/P+F/S	Urban Sanitation	Completed
2	963	THA/A 305/82	Phetchaburi-Kaeng Krachan Irrigated Agriculture Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2	965	THA/A 306/82	Mae Kuang Irrigated Agriculture Development Project	F/S	(Agriculture in) General	Completed
2	967	THA/A 307/82	Upper Pasak Medium Scale Irrigation Project	F/S	(Agriculture in) General	Completed
2	969	THA/S 308/82	Rama VI Bridge Construction Project	F/S	Road	Completed
2	971	THA/S 309/82	East Coast Water Resources Development Project	F/S	Water Resources Development	Completed
2	973	THA/S 403/82	Rama VI Bridge Rehabilitation Project	D/D	Railway	Completed
2	975	THA/S 404/82	Dok Krai - Mab Ta Pud Water Pipeline Project in the East Coast Area	D/D	Water Resources Development	Completed
2	977	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
2	979	THA/S 102/83	Road Development in the Northeastern Region	M/P	Road	In Progress or In Use
2	981	THA/S 204B/83	Development Project of the Industrial Port on the Eastern Seaboard	M/P+F/S	Port	Completed
2	983	THA/A 308/83	Mae Chang Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2	985	THA/S 310/83	East Coast Water Resources Development (Phase II)	F/S	Water Resources Development	Implementing
2	987	THA/S 311/83	Nong Kho - Leam Chabang Water Pipeline Project	F/S	Water Supply	Completed
2	989	THA/S 312/83	Second Stage Expressway System in the Greater Bangkok	F/S	Road	Completed
2	991	THA/S 103/84	Sub-Regional Development of the Upper Southern Part	M/P	Integrated Regional Development Plan	In Progress or In Use
2	993	THA/S 205B/84	Development Project of Leam Chabang Coastal Area	M/P+F/S	Integrated Regional Development Plan	Completed
2	995	THA/A 309/84	Lower Northeast Medium Scale Irrigation Package Project	F/S	(Agriculture in) General	Completed
2	997	THA/S 313/84	Comprehensive Development of Coastal Shipping	F/S	Marine Transportation & Ships	Discontinued or Cancelled
2	999	THA/S 314/84	Track Elevation Project of Existing Railway Lines in the Bangkok Metropolitan Area	F/S	Railway	Discontinued or Cancelled
2	1001	THA/S 601/84	Traffic Safety Plan for Roads	Other Studies	(Transportation in) General	In Progress or In Use
2	1003	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
2	1005	THA/A 310/85	Comprehensive Storage Facilities Development Project (Phase II)	F/S	(Agriculture in) General	Discontinued or Cancelled
2	1007	THA/A 311/85	Sakae Krang River Basin Irrigation Project	F/S	(Agriculture in) General	Promoting
2	1009	THA/S 315/85	Establishment of a Large Repair Shipyard	F/S	Marine Transportation & Ships	Completed
2	1011	THA/S 316/85	Sanitary District Water Works Project in the Northeastern Region	F/S	Water Supply	Completed
2	1013	THA/S 317/85	Road Development in the Northeastern Region (Phase II)	F/S	Road	Completed
2	1015	THA/A 312/86	Bang Nara Irrigation and Drainage Project	F/S	(Agriculture in) General	Completed

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	1017	THA/S 318/86	Dredging Plant Development Project	F/S	Port	Partially Completed
2	1019	THA/S 602/86	Road Improvement, Rehabilitation and Traffic Safety in Bangkok	Other Studies	(Transportation in) General	In Progress or In Use
2	1021	THA/A 102/87	Aerial Photography and Forest Management Plan in the Encroached National Reserve Forest	M/P	Forestry & Forest Conservation	Discontinued or Cancelled
2	1023	THA/S 319/87	New Krungthep Bridge Construction and Thonburi Road Extension	F/S	Road	Completed
2	1025	THA/S 320/87	Railway Yards Improvement	F/S	Railway	Completed
2	1027	THA/S 603/87	Effective Port Management and Operation System	Other Studies	Port	In Progress or In Use
2	1029	THA/S 104/88	Flood Forecasting System in the Chao Phraya River Basin	M/P	River & Erosion Control	In Progress or In Use
2	1031	THA/A 202B/88	Agricultural Land Conservation for Integrated Rural Development in the East of Thailand	M/P+F/S	(Agriculture in) General	Completed
2	1033	THA/S 207B/88	Road Development in the Central Region	M/P+F/S	Road	Partially Completed
2	1035	THA/S 208B/88	Potential Tourism Development for the Southern Region	M/P+F/S	(Tourism in) General	Implementing
2	1037	THA/S 321/88	Project of the Regional Truck Terminals	F/S	Land Transportation	Delayed or Suspended
2	1039	THA/S 502/88	Topographic Mapping of Bangkok Metropolitan Area	Basic Study	Survey & Mapping	In Progress or In Use
2	1041	THA/S 604/88	City Planning Manual	Other Studies	Urban Planning & Land Development	In Progress or In Use
2	1043	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
2	1045	THA/S 105/89	Telecommunications Development	M/P	Telecommunication	In Progress or In Use
2	1047	THA/A 203B/89	Sebai-Sebok Basin Development Project	M/P+F/S	(Agriculture in) General	Implementing
2	1049	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
2	1051	THA/S 210B/89	Provincial Water Supply Projects	M/P+F/S	Water Supply	Partially Completed
2	1053	THA/A 313/89	Agricultural Water Development Project on Chantaburi River Basin	F/S	(Agriculture in) General	Partially Completed
2	1055	THA/S 322/89	Purification of Klong Water in Bangkok	F/S	Sewerage	Partially Completed
2	1057	THA/S 323/89	Measures to Promote the Container Handling System through Laem Chabang Port	F/S	Port	Completed
2	1059	THA/S 106/90	Traffic Operation Plan for Roads	M/P	Road	In Progress or In Use
2	1061	THA/S 107/90	Upper Central Region Study	M/P	Integrated Regional Development Plan	In Progress or In Use
2	1063	THA/S 108/90	Development of Pattaya Area	M/P	Integrated Regional Development Plan	In Progress or In Use
2	1065	THA/A 204B/90	Agricultural Water Resources Development Project of Bang Pakong River Basin	M/P+F/S	(Agriculture in) General	Partially Completed
2	1067	THA/S 211B/90	Sewerage and Drainage Improvement Project for Phuket Municipality	M/P+F/S	Sewerage	Completed
2	1069	THA/S 212B/90	Bangkok Solid Waste Management	M/P+F/S	Urban Sanitation	Implementing
2	1071	THA/A 314/90	Sukhothai Integrated Agricultural and Rural Infrastructure Development Project	F/S	(Agriculture in) General	Partially Completed
2	1073	THA/S 405/90	Area Traffic Control Project in Bangkok	D/D	Urban Transportation	Completed
2	1075	THA/S 109/91	Toll Highway Development	M/P	Road	In Progress or In Use
2	1077	THA/A 205B/91	Integrated Rural Development of Salt Affected Land in Northeast Thailand	M/P+F/S	(Agriculture in) General	Delayed or Suspended
2	1079	THA/S 213B/91	Road Development in the Southern Region	M/P+F/S	Road	Partially Completed
2	1081	THA/A 315/91	Integrated Rural Development Project at Lower North Thailand	F/S	(Agriculture in) General	Completed
2	1083	THA/S 605/91	Traffic Operation Plan for Roads (Follow-Up)	Other Studies	Road	In Progress or In Use



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2	1085	THA/A 206B/92	Lam Dom Yai Basin Irrigation Project	M/P+F/S	Irrigation, Drainage & Reclamation	Promoting
2	1087	THA/S 214B/92	Regional Development Plan for Telecommunication Networks in the Bangkok Metropolitan Area	M/P+F/S	Telecommunication	Completed
2	1089	THA/S 215B/92	The Tourism Development of the Hoa-Hin/Cha-Am Beach Area	M/P+F/S	(Tourism in) General	Partially Completed
2	1091	THA/A 316/92	Integrated Agriculture and Water Resources Development Project of the Menam Chumphon Basin	F/S	(Agriculture in) General	Implementing
2	1093	THA/S 324/92	Greater Bangkok Truck Terminal	F/S	Land Transportation	Completed
2	1095	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
2	1097	THA/S 207/93	Application Scheme of Land Readjustment (L/R) National Urban Development Trust	M/P+F/S	Urban Planning & Land Development	Promoting
2	1099	THA/S 208/93	Phuket International Airport Development Plan	M/P+F/S	Air Transportation & Airport	Completed
2	1101	THA/S 209/93	Sewerage Development Project for Lower Chao Phraya River Basin	M/P+F/S	Sewerage	Partially Completed
2	1103	THA/A 310/93	Agricultural Development for Peat/Acid Sulfate Soil Areas in Narathiwat Province	F/S	(Agriculture in) General	Implementing
2	1105	THA/A 402/93	Bang Pakong Diversion Dam Project	D/D	(Agriculture in) General	Partially Completed
2	1107	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
2	1109	THA/S 216/94	Modernization of Bangkok Port in the Kingdom of Thailand	M/P+F/S	Port	Partially Completed
2	1111	THA/S 325/94	Inter-City Toll Motorway Project	F/S	Road	Processing
2	1113	THA/S 606/94	Inspection and Maintenance System for the Expressway	Other Studies	Road	In Progress or In Use
2	1115	THA/A 207/95	The Study on the Agricultural Land Rehabilitation and Conservation Project	M/P+F/S	(Agriculture in) General	Implementing
2	1117	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
2	1119	THA/S 326/95	Road Disaster Prevention Plan	F/S	Road	Partially Completed
2	1121	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
2	1123	THA/S 110/96	Urban Environmental Improvement Program in Bangkok Metropolitan Area	M/P	Environmental Problems	In Progress or In Use
2	1125	THA/S 109/97	The Western Seaboard Regional Development	M/P	(Development Plan in) General	In Progress or In Use
2	1127	THA/A 314/97	Fishery Complex on Andaman Sea Coast	F/S	Fishery	Promoting
2	1129	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
2	1131	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
2	1133	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
2	1135	THA/S 209/99	The Study on Integrated Plan for Flood Mitigation in Chao Phraya River Basin	M/P+F/S	River & Erosion Control	Partially Completed
2	1137	THA/S 306/99	The Study on the Kok-Ing-Nan Water Diversion Project	F/S	Water Resources Development	Promoting
2	1139	THA/S 206/01	The Master Plan Study for the Coastal Channels and Ports Development	M/P+F/S	Port	Partially Completed
2	1141	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
2	1143	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
2	1145	THA/A 102/02	The Study on East Asia/ASEAN Rice Reserve System	M/P	(Agriculture in) General	In Progress or In Use
2	1147	THA/S 115/02	The Study on Improvement of Road Traffic Environment	M/P	Urban Transportation	In Progress or In Use
2	1149	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
2	1151	THA/S 117/02	Study on Development for Securing System of Building Safety	M/P	(Social Infrastructure in) General	In Progress or In Use

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	1153	THA/S 101/06	The Study on Implementation of the BMA Subcenters Program(Case of Lat Krabang)	M/P	Urban Planning & Land Development	Delayed
2	1155	THA/A 101/07	Development Study on Planning and Capacity Building for Natural Resources Management and Sustainable Rural and Agricultural Development in the North Thailand	M/P	(Agriculture in) General	In Progress or In Use
2	1157	THA/S 101/08	The Study on Supporting System for Local Administrations on Natural Resources and Environmental Management in the Kingdom of Thailand	M/P	Environmental Problems	In Progress or In Use
2	1159	VNM/S 101/94	Transport Development in the Northern Part of Viet Nam	M/P	(Transportation in) General	In Progress or In Use
2	1161	VNM/S 201/94	Urban Drainage and Wastewater Disposal System in Hanoi City	M/P+F/S	River & Erosion Control	Implementing
2	1163	VNM/A 202/94	Improvement Project of Drainage System in South Bac Duong Agricultural Area	M/P+F/S	Irrigation, Drainage & Reclamation	Partially Completed
2	1165	VNM/S 301/94	Cai Lan Port Construction Project	F/S	Port	Implementing
2	1167	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
2	1169	VNM/S 302/95	Highway No.18 Improvement	F/S	Road	Partially Completed
2	1171	VNM/S 111/96	Coastal Shipping Rehabilitation and Development Project	M/P	Marine Transportation & Ships	In Progress or In Use
2	1173	VNM/S 112/96	Dong Nai and Surrounding Basins Water Resources Development	M/P	Water Resources Development	In Progress or In Use
2	1175	VNM/S 211/96	Urban Transportation for Hanoi City	M/P+F/S	Urban Transportation	Implementing
2	1177	VNM/S 309/96	New Development Plan of Hanoi International Airport	F/S	Air Transportation & Airport	Implementing
2	1179	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
2	1181	VNM/S 209/97	Water Supply Development for Hanoi City	M/P+F/S	Water Supply	Promoting
2	1183	VNM/A 219/97	Model Rural Development in Nam Dam District, Nghe An Province	M/P+F/S	(Agriculture in) General	Implementing
2	1185	VNM/A 503/97	The Marine Resources Survey	Basic Study	Fishery	In Progress or In Use
2	1187	VNM/S 121/98	Hoa Lac Xuan Mai Areas Urban Development Project	M/P	(Development Plan in) General	In Progress or In Use
2	1189	VNM/S 208/98	Port Development Plan in the Central Region of the Key Area	M/P+F/S	Port	Partially Completed
2	1191	VNM/S 303/98	Thanh Tri Bridge and the Southern Section of Ring Road No.3 in Hanoi	F/S	Road	Implementing
2	1193	VNM/S 304/98	Can Tho Bridge Construction	F/S	Road	Implementing
2	1195	VNM/S 105/99	The Study on Environmental Management for Ha Long Bay	M/P	Environmental Problems	In Progress or In Use
2	1197	VNM/S 106/99	Study on Telecommunication Development	M/P	Telecommunication	In Progress or In Use
2	1199	VNM/S 210/99	The Study on Urban Drainage and Sewerage System in Ho Chi Minh City	M/P+F/S	Urban Sanitation	Partially Completed
2	1201	VNM/S 211/99	Study on Groundwater Development in the Northern Part	M/P+F/S	Water Resources Development	Completed
2	1203	VNM/S 107/00	The Study on the National Transport Development Strategy in Vietnam	M/P	(Transportation in) General	In Progress or In Use
2	1205	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
2	1207	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
2	1209	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
2	1211	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
2	1213	VNM/S 208/01	Study on Sanitation Improvement Plan for Haiphong City	M/P+F/S	Urban Sanitation	Implementing
2	1215	VNM/S 209/01	The Study on Tourism Development in the Central of Social Republic of Vietnam	M/P+F/S	(Tourism in) General	Implementing
2	1217	VNM/S 401/01	The Detail Design Study on Ho Chi Ming City Water Environment Improvement Project	D/D	Sewerage	Processing
2	1219	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

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	1221	VNM/S 210/02	Port System Development Study in Southern Part of Vietnam	M/P+F/S	Port	Processing
2	1223	VNM/S 211/02	Feasibility Study on Red River Navigation Improvement, the Segment through Hanoi	M/P+F/S	Marine Transportation & Ships	Processing
2	1225	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
2	1227	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
2	1229	VNM/S 601/03	Support Program on Primary Education Development in the Socialist Republic of Vietnam	Other Studies	Education	In Progress or In Use
2	1231	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	Processing
2	1233	VNM/S 401/05	Detailed design study of CaimepThivai international terminals in Socialist Republic of Vietnam	D/D	Port	Processing
2	1235	VNM/S 101/08	The Study on National Road Traffic Safety Master Plan in the Socialist Republic of Vietnam until 2020	M/P	(Transportation in) General	In Progress or In Use
2	1237	VNM/S 102/08	Master Plan Study on Improvement of Rural Living Conditions in Northwestern Mountainous Region in Viet Nam	M/P	(Agriculture in) General	In Progress or In Use
2	1239	VNM/S 104/08	The Study on Groundwater Development in the Rural Provinces of the Southern Coastal Zone in the Socialist Republic of Vietnam	M/P+F/S	Water Resources Development	Promoting
2	1241	VNM/S 105/08	The Study for Roadside Stations Master Plan	M/P	(Transportation in) General	In Progress or In Use
2	1243	CHN/S 601/79	Port Construction	Other Studies	Port	In Progress or In Use
2	1245	CHN/S 602/81	Railway Modernization Project	Other Studies	Railway	In Progress or In Use
2	1247	CHN/S 301/84	Improvement Project of Chimwangtao, Lieyunkang and Tsingtao Ports	F/S	Port	Completed
2	1249	CHN/A 301/84	Sanko Heigen Ryutokyo Model Area Agricultural Development Project	F/S	(Agriculture in) General	Processing
2	1251	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
2	1253	CHN/A 302/84	Basic Plan on the Sanjiang Plain Agricultural Experiment Station	F/S	(Agriculture in) General	Completed
2	1255	CHN/S 303/84	Tianjin, Shanghai and Guangzhou Telecommunication Expansion Project	F/S	Telecommunication	Completed
2	1257	CHN/S 304/86	Port Development Project in Dapeng Bay	F/S	Port	Completed
2	1259	CHN/S 305/86	Subway Project of Shanghai	F/S	Railway	Completed
2	1261	CHN/S 101/87	Shanghai Air Pollution Control	M/P	Environmental Problems	In Progress or In Use
2	1263	CHN/S 306/87	Shanghai-Nanjing Expressway Construction Project	F/S	Road	Completed
2	1265	CHN/S 307/87	Kouhokou River Bridge Construction Project	F/S	Road	Completed
2	1267	CHN/S 308/87	Hokkou Hiraikyo Multipurpose Dam Construction Project	F/S	Water Resources Development	Delayed or Suspended
2	1269	CHN/S 501/87	Groundwater Development Project in Tianjin City	Basic Study	Water Resources Development	Discontinued or Cancelled
2	1271	CHN/S 102/88	Hainan Island Integrated Development	M/P	Integrated Regional Development Plan	In Progress or In Use
2	1273	CHN/S 201B/88	Dalian Port Development Project	M/P+F/S	Port	Implementing
2	1275	CHN/A 201B/88	Lujingxiang Model Stock-Farming Project in Gansu Province	M/P+F/S	Animal Husbandry	Promoting
2	1277	CHN/A 303/88	Irrigation Development Project in Northern Hubei	F/S	(Agriculture in) General	Completed
2	1279	CHN/S 309/88	Guanyinye Reservoir Project	F/S	Water Resources Development	Completed
2	1281	CHN/S 310/88	Beijing Airport International Terminal Area Development	F/S	Air Transportation & Airport	Partially Completed
2	1283	CHN/A 304/89	Integrated Agricultural Infrastructure Development in Dong Ting Lake Area in Hunan Province	F/S	(Agriculture in) General	Completed
2	1285	CHN/S 311/89	Construction Projects of the Three Ports	F/S	Port	Implementing
2	1287	CHN/S 312/89	Construction Project of Wuhan/ Tanhe Civil Airport	F/S	Air Transportation & Airport	Completed

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2	1289	CHN/S 202B/90	Municipal Solid Waste Treatment Plan in Xian City	M/P+F/S	Urban Sanitation	Partially Completed
2	1291	CHN/A 305/90	Agricultural Water-use Development Project on Haizi Dam Area in Beijing City	F/S	(Agriculture in) General	Partially Completed
2	1293	CHN/S 313/90	Rapid Railway Construction Project in Tianjin	F/S	Railway	Promoting
2	1295	CHN/S 502/90	Groundwater Development Project in Urumuqi	Basic Study	Water Resources Development	In Progress or In Use
2	1297	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
2	1299	CHN/S 314/91	Telephone Network Automatization Plan in Dehui County, Jilin Province	F/S	Telecommunication	Implementing
2	1301	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
2	1303	CHN/A 203B/92	Liao Ho Delta Agricultural Resources Integrated Development Project in the Liaoing Sheng	M/P+F/S	(Agriculture in) General	Partially Completed
2	1305	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
2	1307	CHN/S 316/92	Jilin Fengman Dam Rehabilitation Project	F/S	Water Resources Development	Partially Completed
2	1309	CHN/S 101/93	Water Quality Protection for Poyan Lake in China	M/P	Environmental Problems	In Progress or In Use
2	1311	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
2	1313	CHN/S 202/93	Waiqaochao District in Pudong New Economic Zone in Shanghai	M/P+F/S	Urban Planning & Land Development	Partially Completed
2	1315	CHN/S 301/93	Rapid Guided Transport System Planning in Chongqing	F/S	Railway	Processing
2	1317	CHN/A 309/93	Facilities Improvement Project in Second Irrigation Section in Qianguo Area in Jilin Province	F/S	(Agriculture in) General	Promoting
2	1319	CHN/S 203/94	Primary Road Network Development Study in Zhe-jiang Province	M/P+F/S	Road	Processing
2	1321	CHN/A 204/94	Integrated Agriculture Development Project in Heilongjiang	M/P+F/S	(Agriculture in) General	Implementing
2	1323	CHN/A 310/94	Improvement Project of Drainage System in Qixing-Polder, Shunde City, Guangdong Province	F/S	Irrigation, Drainage & Reclamation	Partially Completed
2	1325	CHN/S 317/94	West-bound Trunk Road Construction Project in Municipality of Xiamen	F/S	Road	Completed
2	1327	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
2	1329	CHN/S 204/95	Shanghai Pudong International Airport Basic Planning Study	M/P+F/S	Air Transportation & Airport	Partially Completed
2	1331	CHN/S 205/95	Comprehensive Transportation System in Dalian City	M/P+F/S	Urban Transportation	Completed
2	1333	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
2	1335	CHN/S 202/97	Integrated Management Master Plan for the Water Environment of Min River in Chengdu District	M/P+F/S	Environmental Problems	Partially Completed
2	1337	CHN/S 401/97	Detailed Design Study on Shanghai Pu-dong International Airport	D/D	Air Transportation & Airport	Completed
2	1339	CHN/A 601/97	The Hydraulic Model Test for Baishi Dam in Liaoning Province	Other Studies	Irrigation, Drainage & Reclamation	In Progress or In Use
2	1341	CHN/S 101/98	Eutrophication Control of Tai Lake	M/P	Environmental Problems	In Progress or In Use
2	1343	CHN/S 112/98	Jilin Province Integrated Regional Development Plan in China	M/P	Integrated Regional Development Plan	In Progress or In Use
2	1345	CHN/A 116/98	Ansai Mountain Area Integrated Agricultural Development Project in Shanxi	M/P	(Agriculture in) General	In Progress or In Use
2	1347	CHN/S 302/98	Groundwater Development in Tuoketuo County, Inner Mongolia	F/S	Water Resources Development	Promoting
2	1349	CHN/S 101/99	Environmental Management Plan for the Environmental Model Zone in Dailian Municipality	M/P	Environmental Problems	In Progress or In Use
2	1351	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
2	1353	CHN/A 223/99	Taihang Shan Integrated Agricultural Development Project in Hebei Province	M/P+F/S	(Agriculture in) General	Implementing
2	1355	CHN/S 302/99	Study for Road Network Development Plan in Changsha City	F/S	Road	Completed

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2	1357	CHN/A 304/00	The Study on Yellow River Basin Agriculture and Fisheries Development	F/S	Fishery	Completed
2	1359	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
2	1361	CHN/S 113/01	The Study for Improving the Housing Finance Reform	M/P	(Development Plan in) General	In Progress or In Use
2	1363	CHN/S 114/01	The Study on Urbanization of Rural Districts (Haichen City)	M/P	Integrated Regional Development Plan	In Progress or In Use
2	1365	CHN/S 210/01	Study for Public Transportation Improvement in Chendgu city	M/P+F/S	Urban Transportation	Partially Completed
2	1367	CHN/A 103/02	The Study on Reforestation in Anning Watershed in Sichuan Province	M/P	Forestry & Forest Conservation	In Progress or In Use
2	1369	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
2	1371	CHN/S 101/05	Study for Sustainable Underwater Utilization in Wigl Tolfan Basin	M/P	Water Resources Development	In Progress or In Use
2	1373	CHN/S 102/05	Study for Western Development Financial Institution Improvement	M/P	Public Finance & Banking	In Progress or In Use
2	1375	CHN/S 201/05	Study for Yunnann Province Xiaoho river valley landslide disaster measures and environment restoration plan	M/P+F/S	(Social Infrastructure in) General	Delayed or Suspended
2	1377	CHN/S 601/05	Study for Western Region Mid-Size City Strategic Development Plan	Other Studies	Integrated Regional Development Plan	In Progress or In Use
2	1379	CHN/S 201/06	The Study on the Improvement of the Water Rights Systems	M/P+F/S	Water Resources Development	Implementing
2	1381	CHN/S 101/08	Study on the Improvement of the Rural Pension Insurance System in the People's Republic of China	M/P	Social Welfare	In Progress or In Use
2	1383	HKG/S 103/08	The Study on Capacity Development for AR-CDM Promotion in the Socialist Republic of Vietnam	M/P	Forestry & Forest Conservation	In Progress or In Use
2	1385	KOR/S 301/77	Rapid Transit Line No.2 Construction Project in Seoul	F/S	Railway	Completed
2	1387	KOR/A 301/78	Southwest Coast Agricultural Land Reclamation Project	F/S	(Agriculture in) General	Completed
2	1389	KOR/S 101/79	Long-Term Multipurpose Dam Schemes	M/P	Water Resources Development	In Progress or In Use
2	1391	KOR/S 201B/85	Seoul Municipal Solid Waste Management System	M/P+F/S	Urban Sanitation	Completed
2	1393	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
2	1395	MNG/S 301/92	Improvement Plan for Transshipment Facilities at Zamin-Uud Station	F/S	Railway	Completed
2	1397	MNG/A 101/95	Integrated Agricultural and Rural Development in Central Region	M/P	(Agriculture in) General	In Progress or In Use
2	1399	MNG/S 201/95	Water Supply System in Ulaanbaatar and Surroundings	M/P+F/S	Water Supply	Completed
2	1401	MNG/S 204/96	Telecommunications Network in Ulaanbaatar City	M/P+F/S	Telecommunication	Completed
2	1403	MNG/S 502/96	Topographic Mapping of Ulaan-Tsav Area	Basic Study	Survey & Mapping	In Progress or In Use
2	1405	MNG/A 110/97	Strengthening of Agricultural Cooperatives	M/P	(Agriculture in) General	In Progress or In Use
2	1407	MNG/S 207/97	Rehabilitation Project of the Mongolian Railway	M/P+F/S	Railway	Partially Completed
2	1409	MNG/A 502/97	Forest Resources Management Study in Selenge	Basic Study	Forestry & Forest Conservation	In Progress or In Use
2	1411	MNG/S 211/98	Study on Groundwater Development for Altai City	M/P+F/S	Water Resources Development	Implementing
2	1413	MNG/S 102/99	The Study on the Support for the Economic Transition and Development in Mongolia	M/P	(Development Plan in) General	Delayed
2	1415	MNG/S 204/99	Improvement and Rehabilitation of Urban Road Network in Uraanbaatar	M/P+F/S	Road	Partially Completed
2	1417	MNG/S 205/99	The Master Plan Study on the National Tourism Development	M/P+F/S	(Tourism in) General	Partially Completed
2	1419	MNG/S 115/00	The Study on Postal Service Improvement Plan in Mongolia	M/P	Post	In Progress or In Use
2	1421	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
2	1423	MNG/S 214/02	Master Plan Study for Development of Rural Telecommunication System in Mongolia	M/P+F/S	Telecommunication	Delayed or Suspended

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2	1425	MNG/S 307/02	Feasibility Study on Construction of Eastern Arterial Road in Mongolia	F/S	Road	Partially Completed
2	1427	MNG/A 101/05	Mongolia, the study for improvement plan of livestock farming system in rural area	M/P	(Agriculture in) General	In Progress or In Use
2	1429	MNG/S 102/05	Establishment of tax education system in Mongolia	M/P	(Administration in) General	In Progress or In Use
2	1431	MNG/S 201/06	The Study on Solid Waste Management Plan for Uraanbaatar Municipality in Mongolia	M/P+F/S	Urban Sanitation	Partially Completed
2	1433	BGD/S 401/77	Television Studio Construction Project	D/D	Broadcasting	Completed
2	1435	BGD/A 301/79	Narayanganj-Narsingdi Irrigation Project	F/S	(Agriculture in) General	Partially Completed
2	1437	BGD/S 301/84	Meghna-Gumti Bridges Construction Project	F/S	Road	Completed
2	1439	BGD/S 302/85	Establishment of Railway Carriage and Wagon Manufacturing Plant	F/S	Railway	Discontinued or Cancelled
2	1441	BGD/S 201B/87	Development Project of Dhaka and Narayanganj Ports	M/P+F/S	Port	Promoting
2	1443	BGD/S 303/87	Water Drainage System Improvement Project in Dhaka City	F/S	River & Erosion Control	Completed
2	1445	BGD/A 302/88	North Rajshahi Irrigation Project	F/S	(Agriculture in) General	Delayed or Suspended
2	1447	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
2	1449	BGD/S 304/89	Development of Chittagong Airport	F/S	Air Transportation & Airport	Completed
2	1451	BGD/S 305/89	Optimization of Capacity Utilization and Improvement of Performance of Chittagong Dry Dock	F/S	Marine Transportation & Ships	Delayed or Suspended
2	1453	BGD/S 306/89	Storm Water Drainage System Improvement Project in Dhaka City (Updating Study)	F/S	River & Erosion Control	Partially Completed
2	1455	BGD/A 303/90	Kurigram Irrigation and Flood Control Project: North Unit	F/S	(Agriculture in) General	Implementing
2	1457	BGD/S 307/90	Development Project of Container Terminal at Dhaka-Narayanganj Port	F/S	Port	Promoting
2	1459	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
2	1461	BGD/S 202B/92	Greater Dhaka Protection Project (FAP8A)	M/P+F/S	River & Erosion Control	Processing
2	1463	BGD/S 203B/92	River & Erosion Control/ Drainage Improvement in North West Region	M/P+F/S	River & Erosion Control	Promoting
2	1465	BGD/A 304/92	Kurigram Irrigation and Flood Control Project: South Unit	F/S	Irrigation, Drainage & Reclamation	Implementing
2	1467	BGD/S 501/94	Geodetic Survey in the People's Republic of Bangladesh	Basic Study	Survey & Mapping	In Progress or In Use
2	1469	BGD/S 201/98	Development of Sewerage System in North Dhaka	M/P+F/S	Sewerage	Delayed or Suspended
2	1471	BGD/S 301/99	The Study on Construction of the Bridge over the River Rupsa in Khulna (Phase II)	F/S	Road	Completed
2	1473	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
2	1475	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	Implementing
2	1477	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	Partially Completed
2	1479	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	Delayed or Suspended
2	1481	BGD/S 301/04	Feasibility Study of Padma Bridge in the People's Republic of Bangladesh	F/S	Road	Processing
2	1483	BGD/S 501/04	The Study on Urban Information Management for Greater Dhaka City	Basic Study	Survey & Mapping	In Progress or In Use
2	1485	BGD/S 101/05	The study on the solid waste management in Dhaka City	M/P	Urban Sanitation	In Progress or In Use
2	1487	BGD/A 201/05	The master plan study on small scale water resources development for poverty alleviation through effective use of surface water in Greater Mymensingh of Bangladesh	M/P+F/S	(Agriculture in) General	Implementing
2	1489	BTN/A 301/88	Luntch-Mongar Integrated Agricultural Development Project	F/S	(Agriculture in) General	Promoting
2	1491	BTN/S 301/95	Groundwater Development Project in Wangduephodrang District	F/S	Water Resources Development	Delayed or Suspended

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2	1493	BTN/S 301/98	National Highway Bridge Construction	F/S	Road	Completed
2	1495	BTN/A 104/02	The Study on Agriculture and Farm Road Development in the Lhuntese and Mongar District	M/P	(Agriculture in) General	In Progress or In Use
2	1497	IND/S 301/87	Railway Improvement Plan of Transport Capacity and Train Speed on the Delhi-Kampur Section	F/S	Railway	Implementing
2	1499	IND/S 302/87	Modernization of Rolling Stock Workshop	F/S	Railway	Discontinued or Cancelled
2	1501	IND/S 201B/89	Development of Calcutta and Haldia Dock Systems of Calcutta Port Trust	M/P+F/S	Port	Completed
2	1503	IND/S 303/89	Development Plan for the New Delhi Railway Station	F/S	Railway	Partially Completed
2	1505	IND/S 304/90	Plan for Improvement of New Mangalore Port	F/S	Port	Implementing
2	1507	IND/A 301/91	Irrigation and Drainage Development of Sharda Canal CAD Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2	1509	IND/S 305/92	Transport Infrastructure Development Project in Calcutta	F/S	Urban Transportation	Implementing
2	1511	IND/S 203/97	Development of the Port of Mumbai	M/P+F/S	Port	Promoting
2	1513	IND/A 308/97	Rehabilitation of Minor Irrigation Tanks for Rural Development in Tamil Nadu	F/S	(Agriculture in) General	Implementing
2	1515	IND/S 202/98	National Highway Bypasses	M/P+F/S	Road	Discontinued or Cancelled
2	1517	IND/S 303/99	Feasibility Study on the Construction of Expressway in the National Capital Region	F/S	Road	Delayed or Suspended
2	1519	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
2	1521	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
2	1523	IND/S 201/05	The study on water quality management plan for Ganga River in the Republic of India	M/P+F/S	Environmental Problems	Promoting
2	1525	IND/S 201/06	Augmentation of Water Supply and Sanitation for Goa State	M/P+F/S	(Public Utilities in) General	Implementing
2	1527	IND/S 301/07	The Feasibility Study on the Development of Dedicated Freight Corridor for Delhi-mumbai and Ludhiana-Sonnagar in India	F/S	Railway	Implementing
2	1529	IND/A 101/08	The Study on Diversified Agriculture for Enhanced Farm Income in the State of Himachal Pradesh	M/P	(Agriculture in) General	In Progress or In Use
2	1531	MDV/S 201B/92	Seawall Construction Project for Male Island	M/P+F/S	River & Erosion Control	Completed
2	1533	MDV/S 221/99	The Study on Solid Waste Management for Male' City	M/P+F/S	Urban Sanitation	Promoting
2	1535	MDV/S 101/05	The Study on Tsunami Recovery, Rehabilitation and Development of Islands in Maldives	F/S	Others	Implementing
2	1537	NPL/S 301/83	Rural Telecommunications Network Project	F/S	Telecommunication	Partially Completed
2	1539	NPL/S 101/84	Kosi River Water Resources Development	M/P	Water Resources Development	In Progress or In Use
2	1541	NPL/S 201B/87	Development Plan of Television Network	M/P+F/S	Broadcasting	Partially Completed
2	1543	NPL/S 302/88	Sindhuli Road Construction Project	F/S	Road	Completed
2	1545	NPL/A 101/89	Integrated Rural Development Project in the Lumbini Zone	M/P	(Agriculture in) General	In Progress or In Use
2	1547	NPL/S 202B/89	Development of Civil Aviation	M/P+F/S	Air Transportation & Airport	Partially Completed
2	1549	NPL/S 501/90	Groundwater Management Project in the Kathmandu Valley	Basic Study	Water Resources Development	In Progress or In Use
2	1551	NPL/S 203B/92	Kathmandu Valley Urban Road Development	M/P+F/S	Air Transportation & Airport	Partially Completed
2	1553	NPL/S 104/93	Water Resources Development of the Upper Karnali and Mahakali River	M/P	Water Resources Development	In Progress or In Use
2	1555	NPL/S 105/93	National Hydro-Meteorological Data Management Project	M/P	River & Erosion Control	In Progress or In Use
2	1557	NPL/S 302/93	Aftercare Study for Sindhuli Road Construction Project	F/S	Road	Completed
2	1559	NPL/A 308/93	Rajkudwa Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	1561	NPL/S 501/93	Topographic Mapping of Lumbini Zone	Basic Study	Survey & Mapping	In Progress or In Use
2	1563	NPL/A 106/94	Terai Groundwater Resources Evaluation and Development Project	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
2	1565	NPL/A 201/94	Rehabilitation of Government Development Irrigation Schemes in the Kathmandu Valley	M/P+F/S	(Agriculture in) General	Partially Completed
2	1567	NPL/S 204/94	Tribhuvan International Airport Modernization Plan in Nepal	M/P+F/S	Air Transportation & Airport	Partially Completed
2	1569	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
2	1571	NPL/A 111/97	Integrated Watershed Management in the Western Hills	M/P	Forestry & Forest Conservation	In Progress or In Use
2	1573	NPL/A 311/97	Trishuli Irrigation Project	F/S	(Agriculture in) General	Promoting
2	1575	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
2	1577	NPL/S 303/00	Feasibility Study on the Construction of Kathmandu-Naubise Road Link in the Kingdom of Nepal	F/S	Road	Promoting
2	1579	NPL/A 116/01	The Study on the Agricultural Marketing Development Project	M/P	(Agriculture in) General	In Progress or In Use
2	1581	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
2	1583	NPL/A 301/02	The Feasibility Study on the Sunsari River Irrigation Project	F/S	(Agriculture in) General	Promoting
2	1585	NPL/S 101/05	The Study on the Solid Waste Management for the Kathmandu Valley in Kingdom of Nepal	M/P	Environmental Problems	In Progress or In Use
2	1587	NPL/S 101/08	The Study on Disaster Risk Management for Narayangharh - Mugling Highway	M/P+F/S	River & Erosion Control	Promoting
2	1589	PAK/S 601/75	Port Muhammad-Bin-Quasim Project (Follow-Up)	Other Studies	Port	In Progress or In Use
2	1591	PAK/S 201B/79	Shipping & Shipbuilding Development	M/P+F/S	Marine Transportation & Ships	Completed
2	1593	PAK/S 301/80	Construction Project of a Mini-Port in Gwadar	F/S	Port	Partially Completed
2	1595	PAK/S 202B/81	Introduction of Containerization	M/P+F/S	Port	Partially Completed
2	1597	PAK/A 301/82	Agricultural Development Project with Widening of Pat Feeder Canal	F/S	Irrigation, Drainage & Reclamation	Completed
2	1599	PAK/S 101/83	National Transport Plan	M/P	(Transportation in) General	In Progress or In Use
2	1601	PAK/S 302/83	Pakistan Railways Locomotives Manufacturing Factory Project	F/S	Railway	Completed
2	1603	PAK/S 303/84	Conduction of Water from Khanpur to Islamabad/Rawalpindi	F/S	Water Supply	Implementing
2	1605	PAK/A 101/85	Integrated Rural Development Project	M/P	(Agriculture in) General	In Progress or In Use
2	1607	PAK/A 102/86	Paddy/Rice Handling and Processing Improvement Project	M/P	Agricultural Processing	In Progress or In Use
2	1609	PAK/A 302/86	Baluchistan Irrigation Development Project through Groundwater Development	F/S	(Agriculture in) General	Completed
2	1611	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
2	1613	PAK/S 103/87	National Transport Plan (Follow-Up)	M/P	(Transportation in) General	In Progress or In Use
2	1615	PAK/A 303/88	Upper Kurang River Irrigation Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2	1617	PAK/A 201B/89	Swat District Integrated Rural Development Project	M/P+F/S	(Agriculture in) General	Implementing
2	1619	PAK/S 304/89	Establishment of the Second TV Channel for Education	F/S	Broadcasting	Completed
2	1621	PAK/A 304/90	Water Resources Development Project in Malir Basin	F/S	(Agriculture in) General	Promoting
2	1623	PAK/S 203B/91	Comprehensive Study on Transportation System in Lahore	M/P+F/S	Urban Transportation	Partially Completed
2	1625	PAK/A 305/92	Development of Irrigation Based on Flood Flows of D.G. Khan Hill Torrents	F/S	Irrigation, Drainage & Reclamation	Partially Completed
2	1627	PAK/S 104/94	National Transport Plan	M/P	Urban Transportation	In Progress or In Use



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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	1629	PAK/A 306/94	Chashma Right Bank 1st Lift Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
2	1631	PAK/A 218/97	The Lining of Distributaries and Minors in Punjab	M/P+F/S	(Agriculture in) General	Promoting
2	1633	PAK/A 312/97	Irrigation Water Resources Development with Delay Action Dams Project in Balochistan	F/S	(Agriculture in) General	Partially Completed
2	1635	PAK/A 310/98	Taunsa Barrage Irrigation System Rehabilitation	F/S	(Agriculture in) General	Implementing
2	1637	PAK/S 101/03	The Study on Comprehensive Flood Mitigation and Environmental Improvement Plan of the Lai Nullah Basin in the Islamic Republic of Pakistan	F/S	River & Erosion Control	Partially Completed
2	1639	PAK/S 101/06	Development Study on Improvement of Management Information S	M/P	Public Health and Medicine	In Progress or In Use
2	1641	PAK/S 601/07	Pakistan Transport Plan Study in the Islamic Republic of Pakistan (Implementation)	Other Studies	Urban Transportation	In Progress or In Use
2	1643	PAK/S 101/08	The Study on Water Supply and Sewerage System in Karachi in the Islamic Republic of Pakistan	M/P+F/S	Water Supply	Promoting
2	1645	LKA/S 301/77	Outside Colombo Area Telecommunication Development Scheme: Stage II Project	F/S	Telecommunication	Completed
2	1647	LKA/A 301/77	Inginimitiya Reservoir Project	F/S	(Agriculture in) General	Completed
2	1649	LKA/A 302/79	Moragahakanda Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
2	1651	LKA/S 201B/80	Development Project of the Port of Colombo	M/P+F/S	Port	Completed
2	1653	LKA/S 601/80	Development Project of the Port of Colombo (Follow-Up)	Other Studies	Port	In Progress or In Use
2	1655	LKA/A 303/81	Mahaweli Ganga Agricultural Development: System C	F/S	(Agriculture in) General	Completed
2	1657	LKA/S 302/82	Water Supply Scheme for Amparai Group of Towns	F/S	Water Supply	Implementing
2	1659	LKA/S 602/82	Colombo Airport Development (Follow-Up)	Other Studies	Air Transportation & Airport	In Progress or In Use
2	1661	LKA/S 303/83	Colombo-Katunayake Expressway and New Port Access Road Project	F/S	Road	Delayed or Suspended
2	1663	LKA/S 304/83	Telecommunications Network Improvement Project in Greater Colombo	F/S	Telecommunication	Completed
2	1665	LKA/S 101/85	Master Plan for the Domestic Telecommunication Network	M/P	Telecommunication	In Progress or In Use
2	1667	LKA/A 304/85	Rehabilitation of Tank Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Completed
2	1669	LKA/A 101/87	Integrated Rural Development Project for Gampaha District	M/P	(Agriculture in) General	In Progress or In Use
2	1671	LKA/A 102/89	Sand Drift in the Southeastern Coast	M/P	Fishery	In Progress or In Use
2	1673	LKA/A 201B/89	Extension of the Moragahakanda Agricultural Development Project	M/P+F/S	(Agriculture in) General	Promoting
2	1675	LKA/S 202B/89	Development of the Port of Colombo	M/P+F/S	Port	Completed
2	1677	LKA/S 102/91	Development of the Port of Galle	M/P	Port	In Progress or In Use
2	1679	LKA/A 305/92	Walawe Irrigation Upgrading and Extension Project	F/S	(Agriculture in) General	Partially Completed
2	1681	LKA/A 103/94	Agricultural and Rural Development for Up-country Peasantry Rehabilitation Program	M/P	(Agriculture in) General	In Progress or In Use
2	1683	LKA/S 306/94	Kalu Ganga Water Supply Project for Greater Colombo	F/S	Water Supply	Implementing
2	1685	LKA/S 109/96	Nationwide Bridge Development	M/P	Road	In Progress or In Use
2	1687	LKA/S 209/96	Domestic Telecommunication Network	M/P+F/S	Telecommunication	Partially Completed
2	1689	LKA/S 210/96	Development of the New Port of Colombo	M/P+F/S	Port	Promoting
2	1691	LKA/A 302/96	Rehabilitation of Irrigation and Drainage Systems in River Basins of Southern Sri Lanka	F/S	Irrigation, Drainage & Reclamation	Implementing
2	1693	LKA/S 206/98	Greater Kandy and Nuwara Eliya Water Supply and Environmental Improvement Plan	M/P+F/S	(Public Utilities in) General	Partially Completed
2	1695	LKA/S 305/99	The Feasibility Study on Outer Circular Highway to the City of Colombo	F/S	Road	Implementing

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
2	1697	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	Processing
2	1699	LKA/S 304/00	Urgent Development of Port of Galle as a Regional Port	F/S	Port	Processing
2	1701	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	Partially Completed
2	1703	LKA/S 407/00	The Detailed Design Study on Bandaranaike International Airport Development Project in Sri Lanka	D/D	Air Transportation & Airport	Partially Completed
2	1705	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
2	1707	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	Delayed or Suspended
2	1709	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	Partially Completed
2	1711	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
2	1713	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
2	1715	LKA/S 101/05	The master plan study for the development of science and mathematics in the primary and secondary levels in the Democratic Socialist Republic of Sri Lanka	M/P	Education	In Progress or In Use
2	1717	LKA/S 201/05	Recovery, rehabilitation and development project for tsunami affected area of southern region in the Democratic Socialist Republic of Sri Lanka	M/P+F/S	Others	Implementing
2	1719	LKA/A 101/06	The Study on Increasing Integrated Management Capacity on Irrigation Sector	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
2	1721	LKA/S 101/06	The study on urban transport development of the Colombo metropolitan region	M/P	Urban Transportation	In Progress or In Use
2	1723	LKA/S 301/06	Recovery, Rehabilitation and Development Project for Tsunami Affected Trunk Road	F/S	Road	Partially Completed
2	1725	LKA/S 501/07	The Development Study on Evidence-Based Management for the Health System in Sri Lanka	Basic Study	Public Health and Medicine	In Progress or In Use
2	1727	LKA/S 101/08	Comprehensive Study on Disaster Management in Sri Lanka	M/P	(Administration in) General	In Progress or In Use
2	1729	ARM/S 201/05	The Study on Landslide Disaster Management in the Republic of Armenia	M/P+F/S	(Social Infrastructure in) General	Partially Completed
2	1731	ARM/S 101/08	The Study for Improvement of Rural Water Supply and Sewage Systems in the Republic of Armenia	M/P	Water Resources Development	In Progress or In Use
2	1733	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
2	1735	AZE/S 212/01	Urban Transportation Improvement in the City of Baku	M/P+F/S	Urban Transportation	Promoting
2	1737	AZE/S 505/02	National Digital Mapping Project in the Republic of Azerbaijan	Basic Study	Survey & Mapping	In Progress or In Use
2	1739	GRG/S 501/07	The Study for Establishment of Digital Topographic Maps in Georgia	Basic Study	Survey & Mapping	In Progress or In Use
2	1741	KYR/S 101/94	Improvement of Payment System	M/P	Public Finance & Banking	In Progress or In Use
2	1743	KYR/S 102/94	Development of Radio and TV Broadcasting	M/P	Broadcasting	In Progress or In Use
2	1745	KYR/S 101/05	The study on integrated development plan of Issyk-Kul zone in the Kyrgyz Republic	M/P	Integrated Regional Development Plan	In Progress or In Use
2	1747	KYR/A 501/06	Study on Effective Management of Agriculture and Processing Industry in Kyrgyz Republic	Basic Study	(Agriculture in) General	In Progress or In Use
2	1749	KZK/S 221/96	Air Transportation Development	M/P+F/S	Air Transportation & Airport	Partially Completed
2	1751	KZK/S 222/96	Road Network in Western Kazakhstan	M/P+F/S	Road	Processing
2	1753	KZK/A 223/97	Kzyl-Orda Irrigation/Drainage and Water Management Improvement Project	M/P+F/S	(Agriculture in) General	Delayed or Suspended
2	1755	KZK/S 219/99	The Study on Solid Waste Management for Almaty City	M/P+F/S	Urban Sanitation	Implementing
2	1757	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
2	1759	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
2	1761	KZK/S 401/03	The Detailed design study of the project "Water Supply and Sewerage systems of Astana city", Republic of Kazakhstan	D/D	Water Supply	Implementing
2	1763	KZK/S 101/08	Master Plan Study on Integrated Regional Development for Mangistau Oblast in the Republic of Kazakhstan	M/P	(Social Infrastructure in) General	In Progress or In Use

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2	1765	TJK/S 201/07	The Study on Natural Disaster Prevention in Pyanj River	M/P+F/S	River & Erosion Control	Implementing
2	1767	UZB/S 223/96	Water Supply Systems in Six Cities of the Aral Sea Region	M/P+F/S	Water Supply	Implementing
2	1769	UZB/S 305/97	Construction of Electric Locomotive Repair Workshop	F/S	Railway	Promoting
2	1771	UZB/S 110/98	Air Transportation Development	M/P	Air Transportation & Airport	In Progress or In Use
2	1773	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
2	1775	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
2	1777	UZB/S 201/05	The Study on Restructuring of Water Supply System of Tashkent City in the Republic of Uzbekistan	M/P+F/S	Water Supply	Implementing
2	1779	UZB/S 101/07	The Study on the Reform of Health Care Service in Navoi Region in the Republic of Uzbekistan	M/P	Public Health and Medicine	In Progress or In Use
2	1781	ETM/S 305/00	The Study on Urgent Rehabilitation Plan in the East Timor	F/S	(Public Utilities in) General	Partially Completed
2	1783	ETM/S 306/00	The Study on Urgent Improvement Project for Water Supply System in East Timor	F/S	Water Supply	Partially Completed
2	1785	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
2	1787	ETM/A 101/03	The Study on Integrated Agricultural Development of East Timor	M/P	(Agriculture in) General	In Progress or In Use
3	1789	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
3	1791	AFG/S 101/04	The Study on the Urgent Rehabilitation Programme of Kabul City in the Islamic State of Afghanistan	M/P	(Social Infrastructure in) General	In Progress or In Use
3	1793	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
3	1795	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
3	1797	AFG/S 101/05	Urgent rehabilitation support programme in Mazar-e-Sharif (URSP-MZR)	M/P	Integrated Regional Development Plan	In Progress or In Use
3	1799	ARE/A 401/80	Mariculture Center	D/D	Fishery	Completed
3	1801	ARE/S 301/81	Wadi al Bassierah Basin Water Resources Development Project	F/S	Water Resources Development	Delayed or Suspended
3	1803	ARE/S 401/81	Al Bassierah Dam Project	D/D	Water Resources Development	Delayed or Suspended
3	1805	ARE/A 103/96	Groundwater Resources for Agricultural Development around A1 Dhaid City	M/P	Irrigation, Drainage & Reclamation	Delayed
3	1807	DZA/A 301/85	Fetzara Lake Area Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
3	1809	DZA/S 201B/92	Development of the Ports of Algiers, Oran and Annaba	M/P+F/S	(Transportation in) General	Delayed or Suspended
3	1811	DZA/S 101/06	Etude Nicrozonage de Cing(5) Sites Urbains	M/P	Meteorology & Seismology	Delayed
3	1813	EGY/S 301/75	Suez Canal Extension Project	F/S	Port	Completed
3	1815	EGY/S 302/76	Urban Water Supply Project in the Great Cairo	F/S	Water Supply	Completed
3	1817	EGY/S 101/79	High Dam Lake Area Integrated Regional Development Plan	M/P	Integrated Regional Development Plan	In Progress or In Use
3	1819	EGY/S 303/79	Cairo - Alexandria Line Electrification for Egyptian Railways	F/S	Railway	Discontinued or Cancelled
3	1821	EGY/S 304/80	Second Stage Development Project of the Suez Canal	F/S	Port	Discontinued or Cancelled
3	1823	EGY/S 102/81	Technical Cooperation Program to the Suez Canal Authority	M/P	Marine Transportation & Ships	In Progress or In Use
3	1825	EGY/A 301/81	South Hussinia Valley Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
3	1827	EGY/S 305/81	Alexandria PCM Microwave Network Construction Project	F/S	Telecommunication	Completed
3	1829	EGY/A 302/82	Tenth of Ramadan Agricultural Development Project	F/S	(Agriculture in) General	Completed
3	1831	EGY/S 306/82	Cairo - Aswan - Abu Simbel Microwave Network Construction Project	F/S	Telecommunication	Completed

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3	1833	EGY/A 303/83	Cold Storage Chain Development Project	F/S	Livestock Processing	Discontinued or Cancelled
3	1835	EGY/A 304/84	North Hussinia Valley & South Port Said Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
3	1837	EGY/A 305/84	South Hussinia Valley Agricultural Development Project (Phase II)	F/S	(Agriculture in) General	Completed
3	1839	EGY/A 306/84	Fayoum Agricultural Development Project	F/S	(Agriculture in) General	Implementing
3	1841	EGY/S 307/84	El-Arish Sewerage and Drainage System in the North Sinai Province	F/S	Sewerage	Partially Completed
3	1843	EGY/S 308/84	Sharqiya Water Supply System	F/S	Water Supply	Partially Completed
3	1845	EGY/S 201B/85	Refuse Collection Treatment and Disposal in Alexandria	M/P+F/S	Urban Sanitation	Completed
3	1847	EGY/S 309/85	New Alexandria International Airport Construction Project	F/S	Air Transportation & Airport	Completed
3	1849	EGY/S 310/85	Safety Improvement of the Suez Canal	F/S	Marine Transportation & Ships	Partially Completed
3	1851	EGY/S 203B/86	Development Plan of Suez Canal Area	M/P+F/S	Integrated Regional Development Plan	Partially Completed
3	1853	EGY/S 311/86	New TV Center at 6th October City	F/S	Broadcasting	Partially Completed
3	1855	EGY/S 202B/88	Sharqiya Sewerage System	M/P+F/S	Sewerage	Implementing
3	1857	EGY/S 601/88	Development Plan of Suez Canal Area (Follow-Up)	Other Studies	Integrated Regional Development Plan	In Progress or In Use
3	1859	EGY/S 103/89	Greater Cairo Region Transportation Masterplan	M/P	Urban Transportation	In Progress or In Use
3	1861	EGY/A 201B/89	North Sinai Integrated Rural Development	M/P+F/S	(Agriculture in) General	Completed
3	1863	EGY/A 307/92	Rehabilitation and Improvement of Delivery Water System on Bahr Yusef Canal	F/S	Irrigation, Drainage & Reclamation	Partially Completed
3	1865	EGY/S 501/92	North Sinai Groundwater Resources	Basic Study	Water Resources Development	In Progress or In Use
3	1867	EGY/S 109/93	Transportation System and National Road Transportation Masterplan	M/P	Land Transportation	In Progress or In Use
3	1869	EGY/S 401/93	The Urgent Plan of the Suez Bay Coastal Area Development	D/D	Port	Partially Completed
3	1871	EGY/A 202/95	Farmland Environmental Improvement Project	M/P+F/S	(Agriculture in) General	Partially Completed
3	1873	EGY/S 114/96	Egypt National Railways	M/P	Railway	In Progress or In Use
3	1875	EGY/A 303/96	North Sinai Integrated Rural Development Project	F/S	Irrigation, Drainage & Reclamation	Processing
3	1877	EGY/S 310/96	Crossing Structure (Bridge) over the Suez Canal at Ismailia Zone	F/S	Road	Implementing
3	1879	EGY/S 404/96	Construction of the Suez Canal Bridge	D/D	Road	Implementing
3	1881	EGY/S 212/99	The Study of Master Plan and Rehabilitation Scheme of the Greater Alexthandria Port	M/P+F/S	Port	Partially Completed
3	1883	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
3	1885	EGY/S 101/00	The Study on Tourism Development Projects in the Arab Republic of Egypt	M/P	(Tourism in) General	Delayed
3	1887	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
3	1889	EGY/S 214/01	The Study of Management and Development and Oprate Plan of the Suez Canal	M/P+F/S	Port	Promoting
3	1891	EGY/S 219/02	The Development Study on Inland Waterway Transport in the Arab Republic of Egypt	M/P+F/S	Marine Transportation & Ships	Promoting
3	1893	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
3	1895	EGY/S 501/06	PPP Program for Cario Urban Toll Expressway Network Developm	Basic Study	Land Transportation	In Progress or In Use
3	1897	EGY/S 101/08	Feasibility study on high priority urban toll expressways in Cairo in the Arab Republic of Egypt	F/S	Urban Transportation	Promoting

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	1899	EGY/S 102/08	The Study on Multimodal Transport and Logistics System of the Eastern Mediterranean Region and Master Plan in the Arab Republic of Egypt	M/P	(Transportation in) General	In Progress or In Use
3	1901	EGY/S 103/08	The Strategic Urban Development Master Plan Study for a Sustainable Development of the Greater Cairo Region in the Arab Republic of Egypt	M/P+F/S	Urban Planning & Land Development	Promoting
3	1903	IRN/A 101/86	Caspian Sea Coastal Area Agricultural Development Project	M/P	(Agriculture in) General	In Progress or In Use
3	1905	IRN/A 301/93	Irrigation and Drainage Development Project in Haraz River Basin	F/S	(Agriculture in) General	Promoting
3	1907	IRN/S 201/95	Port Sector Study	M/P+F/S	Port	Partially Completed
3	1909	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
3	1911	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
3	1913	IRN/S 302/01	The Study on Water Management in the Capital Tehran	F/S	Water Resources Development	Implementing
3	1915	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
3	1917	IRN/A 302/02	The Study of Improvement of Irrigation, Drainage and Agricultural Development for Gorgan Plain, Golestain Province	F/S	(Agriculture in) General	Processing
3	1919	IRN/A 201/03	The Study on Gharasu River Basin Agricultural infrastructure Development Project	M/P+F/S	Irrigation, Drainage & Reclamation	Implementing
3	1921	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
3	1923	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
3	1925	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
3	1927	IRN/S 101/06	The Study on Water Supply System Resistant to Earthquakes in Tehran Municipality in the Islamic Republic of Iran	M/P	Water Resources Development	In Progress or In Use
3	1929	IRQ/A 301/79	Kahla Rice Farm Project	F/S	(Agriculture in) General	Discontinued or Cancelled
3	1931	IRQ/S 101/84	Vocational Training Center Project Study in Bagdad and Mosul	M/P	Architecture & Housing	Discontinued or Cancelled
3	1933	IRQ/S 102/87	Bagdad City Urban Transport Improvement	M/P	Urban Transportation	Discontinued or Cancelled
3	1935	IRQ/S 201/06	The Feasibility Study on Improvement of the Water Supply System in Al-Basrah City and Its Surroundings in the Republic of Iraq	M/P+F/S	(Public Utilities in) General	Processing
3	1937	IRQ/S 301/06	The Feasibility Study on Baghdad Water Supply System Improvement Project	F/S	Water Supply	Delayed or Suspended
3	1939	JOR/A 301/76	Wadi Arab Dam and Irrigation Project	F/S	(Agriculture in) General	Completed
3	1941	JOR/S 101/79	Integrated Regional Development of Northern Jordan	M/P	Integrated Regional Development Plan	In Progress or In Use
3	1943	JOR/S 301/82	Ring Roads Construction Project in Irbid City	F/S	Road	Partially Completed
3	1945	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
3	1947	JOR/S 501/87	Hydrogeological and Water Use Study of the Mujib Watershed	Basic Study	Water Resources Development	In Progress or In Use
3	1949	JOR/S 502/89	Water Resources of the Jafr Basin	Basic Study	Water Resources Development	In Progress or In Use
3	1951	JOR/A 302/90	Agricultural Development for the Karak-Tafila Development Region	F/S	(Agriculture in) General	Implementing
3	1953	JOR/S 103/95	Brackish Groundwater Desalination	M/P	Water Resources Development	In Progress or In Use
3	1955	JOR/S 201/95	Improvement Plan of the Aqaba	M/P+F/S	Port	Partially Completed
3	1957	JOR/S 202/95	Tourism Development Plan	M/P+F/S	(Tourism in) General	Partially Completed
3	1959	JOR/S 311/96	Improvement of Water Supply System for the Zarga District	F/S	Water Supply	Implementing
3	1961	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
3	1963	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
3	1965	LBN/S 216/01	The Study of Environmental Friendly Integrated Transportation Plan for Greater Tripoli	M/P+F/S	Urban Transportation	Delayed or Suspended

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	1967	LBN/S 101/03	Study on Water Resources Management Master Plan in the Republic of Lebanon	M/P	Water Resources Development	Discontinued or Cancelled
3	1969	LBN/S 201/03	The Study on the Integrated Tourism Development Plan	M/P+F/S	(Tourism in) General	Delayed or Suspended
3	1971	MAR/S 301/84	Nador Airport Construction Project	F/S	Air Transportation & Airport	Delayed or Suspended
3	1973	MAR/A 301/86	The Oujda Province Groundwater/ Rural Development Project	F/S	(Agriculture in) General	Partially Completed
3	1975	MAR/S 302/87	Development Project of the Elevated Type Urban Transport System in Casablanca	F/S	Railway	Promoting
3	1977	MAR/S 201B/89	Rheris River Basin Small and Medium Scale Dam Construction Project	M/P+F/S	River & Erosion Control	Implementing
3	1979	MAR/S 501/90	Topographic Mapping	Basic Study	Survey & Mapping	In Progress or In Use
3	1981	MAR/A 101/92	Ouergha River Basin Irrigated Agricultural Development Project	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
3	1983	MAR/A 201/94	Forestry of Firewoods and Charcoals	M/P+F/S	Forestry & Forest Conservation	Promoting
3	1985	MAR/S 122/96	Rural Water Supply in the Pre-rif Region	M/P	Water Resources Development	In Progress or In Use
3	1987	MAR/S 105/97	The Study on the National Guideline for Solid Waste Management	M/P	Urban Sanitation	In Progress or In Use
3	1989	MAR/A 223/98	Fishing Villages Development Plan	M/P+F/S	Fishery	Partially Completed
3	1991	MAR/S 118/01	Feasibility Study for Water Resources Development in Rural Area	M/P	Water Resources Development	In Progress or In Use
3	1993	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	Implementing
3	1995	MAR/S 101/05	The basic education improvement program for rural areas in the Kingdom of Morocco	M/P	Education	In Progress or In Use
3	1997	MAR/A 102/05	The development study on rural community development project in semi-arid east Atlas regions with khettara rehabilitation in the Kingdom of Morocco	M/P	(Agriculture in) General	In Progress or In Use
3	1999	MAR/S 101/07	The Study on the Integrated Water Resources Management Plan in the Haouz Plain in Kingdom of Morocco	M/P	Water Resources Development	In Progress or In Use
3	2001	OMN/A 301/82	Wadi Jizzi Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
3	2003	OMN/S 501/85	Hydrologic Observation Project in the Batinah Coast	Basic Study	Water Resources Development	In Progress or In Use
3	2005	OMN/A 401/86	Wadi Jizzi Agricultural Development Project	D/D	Irrigation, Drainage & Reclamation	Completed
3	2007	OMN/A 101/89	Agriculture Development Project in the Nejd Region	M/P	(Agriculture in) General	In Progress or In Use
3	2009	OMN/S 101/90	Port Development for Northern Oman	M/P	Port	In Progress or In Use
3	2011	OMN/A 102/90	The Agricultural Development	M/P	(Agriculture in) General	In Progress or In Use
3	2013	OMN/S 301/94	Road Development Project in the Sultanate of Oman	F/S	Road	Implementing
3	2015	OMN/S 405/96	Road Development Project	D/D	Road	Delayed or Suspended
3	2017	OMN/A 112/97	Agriculture Development Project II in Nejd Region	M/P	(Agriculture in) General	In Progress or In Use
3	2019	OMN/S 119/00	Master Plan Study of Salalah Port and its Hinterland	M/P	Port	In Progress or In Use
3	2021	OMN/S 101/04	Master Plan Study on Restoration, Conservation and Management of Mangrove in the Sultanate of Oman	M/P	Environmental Problems	Delayed
3	2023	OMN/S 102/04	The Study on Road Network Development in the Sultanate of Oman	M/P	Road	In Progress or In Use
3	2025	OMN/S 101/05	National ports development strategy study in the Sultanate of Oman	M/P	Port	In Progress or In Use
3	2027	OMN/S 102/05	The study on road network development in the Sultanate of Oman	M/P	Road	In Progress or In Use
3	2029	PLE/S 211/97	Sewerage Development Plan in the Area of Khan Yunis	M/P+F/S	Sewerage	Partially Completed
3	2031	PLE/S 101/06	The Study on the Development Programme in JERICHO Region	M/P	Integrated Regional Development Plan	In Progress or In Use
3	2033	PLE/A 301/08	The Feasibility Study on Water Resources Development and Management in the Jordan River Rift Valey	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	2035	QAT/S 301/86	Drainage Improvement Plan, Doha City	F/S	Sewerage	Completed
3	2037	SAU/S 601/83	General Hospital : Establishment Project	Other Studies	Architecture & Housing	Discontinued or Cancelled
3	2039	SAU/S 602/83	National Cancer Center : Establishment Project	Other Studies	Architecture & Housing	Discontinued or Cancelled
3	2041	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
3	2043	SAU/S 108/99	The Study on an Environmental Assessment and Monitoring of Arabian Gulf	M/P	Environmental Problems	In Progress or In Use
3	2045	SDN/S 301/77	Road Project of Obeid-Um Ruaba	F/S	Road	Completed
3	2047	SDN/A 301/79	Rice Development Project in Abu Gasaba Basin	F/S	(Agriculture in) General	Completed
3	2049	SDN/S 302/89	Construction of the New White Nile Bridge	F/S	Road	Implementing
3	2051	SDN/A 302/91	Hurga and Nur El Din Pump Scheme Rehabilitation Project	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
3	2053	SYR/S 213/96	National Telecommunications Network Expansion Plan	M/P+F/S	Telecommunication	Implementing
3	2055	SYR/S 214/96	Ports Development Plan	M/P+F/S	Port	Implementing
3	2057	SYR/S 224/97	Improvement and Extension of Water Distribution System for Damascus City	M/P+F/S	Water Supply	Partially Completed
3	2059	SYR/S 209/98	National Tourism Development Plan	M/P+F/S	(Tourism in) General	Implementing
3	2061	SYR/S 213/99	The Study on Urban Transportation Planning of Damascus City	M/P+F/S	Urban Transportation	Partially Completed
3	2063	SYR/S 307/99	Study on Water Resources Development in the Northwestern and Central Basins (PhaseII)	F/S	Water Resources Development	Implementing
3	2065	SYR/S 215/01	The Master Plan Study on the Development of Syrian Railway	M/P+F/S	Railway	Promoting
3	2067	SYR/S 303/01	The Study on Solid Waste Treatment Plan at Local City	F/S	Urban Sanitation	Partially Completed
3	2069	SYR/A 105/02	The Study on Quality Improvement of Agricultural Products	M/P	(Agriculture in) General	In Progress or In Use
3	2071	SYR/S 101/07	The Study on Urban Planning for Sustainable Development of Damascus Metropolitan Area in the Syrian Arab Republic	M/P	Urban Planning & Land Development	In Progress or In Use
3	2073	SYR/S 102/07	The Study on Sewerage System Development in the Syrian Arab Republic	M/P	Sewerage	In Progress or In Use
3	2075	TUN/S 501/87	Topographic Mapping Project	Basic Study	Survey & Mapping	In Progress or In Use
3	2077	TUN/S 301/90	Construction of the Rades - La Goulette Connection Facility	F/S	Road	Implementing
3	2079	TUN/A 101/91	Forest Management in the Mejerdanet Basin	M/P	Forestry & Forest Conservation	In Progress or In Use
3	2081	TUN/S 201/93	Flood Protection for Greater Tunis and Sousse	M/P+F/S	River & Erosion Control	Partially Completed
3	2083	TUN/S 502/93	Topographic Mapping of Central Region	Basic Study	Survey & Mapping	In Progress or In Use
3	2085	TUN/A 304/96	Irrigated Area Improvement in Oasis in the South	F/S	Irrigation, Drainage & Reclamation	Implementing
3	2087	TUN/S 408/00	The Detailed Design Study on the Rural Water Supply Project in the Republic of Tunisia	D/D	Water Supply	Implementing
3	2089	TUN/S 120/01	The Study on Tourism Development Master Plan (Preparatory Study)	M/P	(Tourism in) General	In Progress or In Use
3	2091	TUN/S 201/05	The study on the rural water supply project (phase II) in the Republic of Tunisia	M/P+F/S	(Public Utilities in) General	Implementing
3	2093	TUN/S 101/08	The Study on Integrated Basin Management Focused on Flood Control in Mejerda River in the Republic of Tunisia	M/P	Water Resources Development	In Progress or In Use
3	2095	TUR/S 101/85	Ankara Air Pollution Control Project	M/P	Environmental Problems	Discontinued or Cancelled
3	2097	TUR/A 301/89	Adatepe Irrigation Project	F/S	(Agriculture in) General	Implementing
3	2099	TUR/S 201B/90	Development Project of Filyos Port	M/P+F/S	Port	Processing
3	2101	TUR/S 211/93	Motorway Maintenance, Operation and Traffic Management System	M/P+F/S	Road	Partially Completed

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	2103	TUR/A 504/93	Demersal Fisheries Resource Survey	Basic Study	Fishery	In Progress or In Use
3	2105	TUR/S 301/94	Flood Control, Forecasting and Warning System for Seyhan River	F/S	Urban Sanitation	Delayed or Suspended
3	2107	TUR/A 201/96	Kuchuk Menderes River Basin Irrigation Project	M/P+F/S	(Agriculture in) General	Implementing
3	2109	TUR/S 215/96	Maintenance and Rehabilitation of Highway Bridges	M/P+F/S	Road	Promoting
3	2111	TUR/S 210/97	Ports Development at the Sea of Marmara	M/P+F/S	Port	Processing
3	2113	TUR/A 220/97	National Small-Scale Irrigation and Rural Development Project	M/P+F/S	(Agriculture in) General	Partially Completed
3	2115	TUR/S 305/98	Arterial Highway Maintenance	F/S	Road	Implementing
3	2117	TUR/S 214 /99	The Study on Regional Solid Waste Management for Adana-Mersin	M/P+F/S	Urban Sanitation	Partially Completed
3	2119	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
3	2121	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
3	2123	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
3	2125	TUR/S 201/03	Mater Plan Study on Participatory Watershed Rehabilitation in Coruh River in The Republic of Turk	M/P+F/S	River & Erosion Control	Processing
3	2127	TUR/S 101/08	The Study on Integrated Urban Transportation Master Plan for Istanbul Metropolitan Area in the Republic of Turkey	M/P	Urban Transportation	In Progress or In Use
3	2129	YEM/A 101/80	Hajjah Province Integrated Rural Development	M/P	(Agriculture in) General	In Progress or In Use
3	2131	YEM/S 303/80	Rural Water Supply Project Part 2	F/S	Water Supply	Completed
3	2133	YEM/S 301/81	7th Berth Construction Project of the Port of Hodeidah	F/S	Port	Completed
3	2135	YEM/S 302/84	Rural Telecommunications Network	F/S	Telecommunication	Completed
3	2137	YEM/S 101/88	Urban Transport Study	M/P	Urban Transportation	In Progress or In Use
3	2139	YEM/S 201B/89	Improvement of Ma'alla and Tawahi Sewerage System in Aden	M/P+F/S	Sewerage	Delayed or Suspended
3	2141	YEM/S 101/07	The Study for the Water Resources Management and Rural Water Supply Improvement in the Republic of Yemen, Water Resources Management Action Plan for Sana'a Basin	M/P	Water Resources Development	In Progress or In Use
3	2143	YEM/S 301/07	Rural Water Supply Component of the Study for Water Resources Management and Rural Water Supply Improvement in the Republic of Yemen	F/S	Water Resources Development	Processing
3	2145	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
3	2147	AGO/S 101/06	The Study on Urgent Rehabilitation Program of Ports in the Republic of Angola	M/P	Port	In Progress or In Use
3	2149	AGO/S 101/08	The Project for Social and Economic Reintegration and Communities Development in the Republic of Angola	M/P	Integrated Regional Development Plan	In Progress or In Use
3	2151	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
3	2153	BFA/A 301/94	Integrated Agricultural Development in the Upper Mouhoun River Basin	F/S	Irrigation, Drainage & Reclamation	Promoting
3	2155	BFA/S 503/00	The National Topographic Mapping of Southwestern Area in Burkina Faso	Basic Study	Survey & Mapping	In Progress or In Use
3	2157	BFA/S 101/05	The study on the management of forest reserves in the Province of Comoe, Burkina Faso	M/P	Environmental Problems	In Progress or In Use
3	2159	BFA/A 101/05	The Study on the System to Alleviate the Land Degradation in Burkina Faso (Second Phase)	M/P	(Agriculture in) General	In Progress or In Use
3	2161	CAF/S 215/99	Study on Groundwater Development in Bangui City	M/P+F/S	Water Resources Development	Delayed or Suspended
3	2163	CGO/S 301/78	Project de la construction du pont sur le fleuve Zaire a Matadi	F/S	(Transportation in) General	Completed
3	2165	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
3	2167	CGO/S 302/87	Railway Construction Project between Kisenso and Kimbanseke	F/S	Railway	Delayed or Suspended



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3	2169	CGO/S 303/89	Construction Project of the East-West Road in Kinshasa City	F/S	Road	Delayed or Suspended
3	2171	CIV/A 301/91	Hydro-Agricultural Development Project in the Valley of Bou	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2173	CIV/A 201/95	Integrated Rural Development Project in the N'ZI River Basin	M/P+F/S	(Agriculture in) General	Implementing
3	2175	CIV/A 225/99	Integrated Rural Development Project in the San Pedro Plain	M/P+F/S	(Agriculture in) General	Delayed or Suspended
3	2177	CIV/S 308/99	Feasibility Study on Sewage Facilities in Western District of Abidjan City	F/S	Sewerage	Delayed or Suspended
3	2179	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
3	2181	CMR/A 301/86	Baigom Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2183	CPV/S 109/99	The Study on Groundwater Development for Santiago Island	M/P	Water Resources Development	In Progress or In Use
3	2185	DJI/S 303/93	The Oil-Berths Reconstruction of Port of Djibouti	F/S	Port	Completed
3	2187	ERT/S 211/98	Groundwater Development and Water Supply for the Seven Towns	M/P+F/S	Water Resources Development	Completed
3	2189	ETH/S 501/85	Urgent Groundwater Development Project	Basic Study	Water Resources Development	In Progress or In Use
3	2191	ETH/S 301/95	Water Supply and Sanitation	F/S	Water Resources Development	Completed
3	2193	ETH/A 301/95	Becho Plain Agricultural Development	F/S	(Agriculture in) General	Delayed or Suspended
3	2195	ETH/A 504/97	Forest Resources Management Study in the South Western Part	Basic Study	Forestry & Forest Conservation	In Progress or In Use
3	2197	ETH/S 210/98	Addis Abeba Flood Control Project	M/P+F/S	River & Erosion Control	Delayed or Suspended
3	2199	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
3	2201	ETH/S 220/02	The Study on Telecommunications Development Plan in Ethiopia	M/P+F/S	Telecommunication	Partially Completed
3	2203	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
3	2205	ETH/S 101/07	The Project on Increasing Access to Quality Basic Education Through Developing School Mapping and Strengthening Micro-Planning in Oromia Region, Ethiopia	M/P	Education	In Progress or In Use
3	2207	GAB/A 601/79	Fisheries Resources Survey	Other Studies	Fishery	Discontinued or Cancelled
3	2209	GHA/A 301/76	Aveyime Sugar Production Project in Accra Plains	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2211	GHA/A 315/97	Rehabilitation of Irrigation	F/S	(Agriculture in) General	Implementing
3	2213	GHA/A 315/99	Reserve Forest Management in Transitional Zone	F/S	Forestry & Forest Conservation	Implementing
3	2215	GHA/S 502/99	Topographic Mapping of Southern Part of the Republic of Ghana	Basic Study	Survey & Mapping	In Progress or In Use
3	2217	GHA/S 122/01	Study for Development of a Master Plan to Strengthen Technical Education	M/P	Education	In Progress or In Use
3	2219	GHA/S 217/01	The Development Study of Ghana Seaports	M/P+F/S	Port	Partially Completed
3	2221	GHA/A 501/02	Stock Assessment of Demersal Fish Species in the Republic of Ghana	Basic Study	Fishery	In Progress or In Use
3	2223	GHA/A 101/07	The Study on the Promotion of Domestic Rice in the Republic of Ghana	M/P	Agricultural Processing	In Progress or In Use
3	2225	GIN/A 301/80	Projet de Developpement Agricole a Kankan	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2227	GIN/S 301/81	Bauxite Fleet Reinforcement	F/S	Marine Transportation & Ships	Promoting
3	2229	GIN/S 501/82	Projet Cartographique	Basic Study	Survey & Mapping	In Progress or In Use
3	2231	GIN/A 201/03	The Study on the Small-Scale Fishery Development Plan in the Republic of Guinea	M/P+F/S	Fishery	Promoting
3	2233	GIN/A 101/06	L'Etude de Developpement du Projet de Mecanisation de la Culture Irriguee et de Gestion des Eaux des Plaines de Sonfonia en Republique de Guinee	M/P	(Agriculture in) General	In Progress or In Use
3	2235	GMB/S 506/02	The Study for Establishment of Geographic Database in the Gambia	Basic Study	Survey & Mapping	Delayed

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3	2237	GMB/A 101/05	The study on agriculture and rural development in the upper river division, the Republic of the Gambia	M/P	(Agriculture in) General	In Progress or In Use
3	2239	KEN/S 301/81	Water Supply Augmentation Project of Mombasa - Coastal Area - Hinterland	F/S	Water Supply	Promoting
3	2241	KEN/A 301/81	Grain Silos Construction Project	F/S	(Agriculture in) General	Completed
3	2243	KEN/S 501/83	Land Use Mapping (Topographic Mapping Project) in East Kenya	Basic Study	Survey & Mapping	In Progress or In Use
3	2245	KEN/S 101/84	National Transport Plan	M/P	(Transportation in) General	In Progress or In Use
3	2247	KEN/S 302/84	Kilifi Bridge Construction Project	F/S	Road	Completed
3	2249	KEN/S 303/84	Likoni Crossing Construction Project	F/S	Road	Discontinued or Cancelled
3	2251	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
3	2253	KEN/A 302/87	Mwea Irrigation Development Project	F/S	(Agriculture in) General	Partially Completed
3	2255	KEN/S 304/87	Nairobi Bypass Construction Project	F/S	Road	Promoting
3	2257	KEN/S 305/90	Construction of Dam in Malewa River System for Greater Nakuru Water Supply Project	F/S	Water Supply	Discontinued or Cancelled
3	2259	KEN/S 502/90	Topographic Mapping of South Kenya	Basic Study	Survey & Mapping	In Progress or In Use
3	2261	KEN/A 303/91	Kano Plain Irrigation Project	F/S	(Agriculture in) General	Promoting
3	2263	KEN/S 103/92	The National Water Master Plan	M/P	Water Resources Development	In Progress or In Use
3	2265	KEN/S 401/92	Nairobi Bypass Project	D/D	Road	Promoting
3	2267	KEN/S 304/93	Nakuru Sewage Works Rehabilitation and Expansion Project	F/S	Sewerage	Completed
3	2269	KEN/S 104/95	National Tourism Master Plan	M/P	(Tourism in) General	In Progress or In Use
3	2271	KEN/S 105/95	Road Network Development	M/P	Road	In Progress or In Use
3	2273	KEN/S 212/97	Water Supply for Seven Towns in Eastern Province	M/P+F/S	Water Supply	Partially Completed
3	2275	KEN/S 106/98	Strengthening Regional Health System in Western Kenya	M/P	Public Health and Medicine	In Progress or In Use
3	2277	KEN/S 212/98	Kismu Water Supply and Sanitation Project	M/P+F/S	(Public Utilities in) General	Implementing
3	2279	KEN/S 213/98	Solid Waste Management for Nairobi City	M/P+F/S	Urban Sanitation	Delayed or Suspended
3	2281	KEN/A 224/98	Community-Based Small Holder Irrigation Development Project	M/P+F/S	(Agriculture in) General	Completed
3	2283	KEN/S 601/98	The Aftercare Study of the National Water Master Plan	Other Studies	Water Resources Development	In Progress or In Use
3	2285	KEN/S 110/99	The Study on Rural Roads Improvement in Western Kenya	M/P	Road	In Progress or In Use
3	2287	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
3	2289	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
3	2291	KEN/S 101/05	The study on master plan for urban transport in the Nairobi metropolitan area in the Republic of Kenya	M/P	Urban Transportation	In Progress or In Use
3	2293	KEN/S 101/07	The Development Study for Regional Development Programme in Nyando and Homa-bay Districts in the Republic of Kenya	M/P	(Administration in) General	In Progress or In Use
3	2295	KEN/S 101/08	The Study on Integrated Flood Management for Nyando River Basin in the Republic of Kenya	M/P	River & Erosion Control	In Progress or In Use
3	2297	LBR/S 301/80	Gbarnga - Kolahum - Mendikoma Highway Project	F/S	Road	Completed
3	2299	MDG/S 301/78	Southern Microwave System in Madagascar	F/S	Telecommunication	Completed
3	2301	MDG/S 501/79	Improvement of National Highway No.5	Basic Study	Road	Discontinued or Cancelled
3	2303	MDG/S 303/91	Groundwater Development in Southwestern Area	F/S	Water Supply	Completed

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	2305	MDG/S 201/94	Development of the Port of Antsiranana	M/P+F/S	Port	Promoting
3	2307	MDG/S 216/96	Groundwater Development Study in South-Western Region (Phase 2)	M/P+F/S	Water Resources Development	Partially Completed
3	2309	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
3	2311	MDG/A 303/00	The Feasibility Study on Watershed Management in Mantasoa and Tsiacompaniry in Madagascar	F/S	Forestry & Forest Conservation	Implementing
3	2313	MDG/S 201/06	Etude sur l'approvisionnement en eau potable, autonome et durable dans la region du Sud	M/P+F/S	Water Resources Development	Promoting
3	2315	MDG/S 501/07	The Study on Rural Development and Watershed Management in the South-West Region of Alaotra of the Republic of Madagascar	Basic Study	Others	In Progress or In Use
3	2317	MLI/A 301/81	Baguinda Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
3	2319	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
3	2321	MLI/A 302/85	Baguinda Agricultural Development Project (Updating Study)	F/S	(Agriculture in) General	Completed
3	2323	MLI/A 303/90	Kala Upstream Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2325	MLI/A 501/95	Nara Region Overall Development Project	Basic Study	(Agriculture in) General	In Progress or In Use
3	2327	MLI/S 502/01	The National Topographic Mapping of the Kita Area	Basic Study	Survey & Mapping	In Progress or In Use
3	2329	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
3	2331	MLI/A 501/07	The Study on the Capacity Building Programs for the Community-based Prevention of Desertification in the South Region of Segou in the Republic of Mali	Basic Study	(Agriculture in) General	In Progress or In Use
3	2333	MOZ/S 106/97	Maintenance and Improvement Plan of Access Channel of Beira Port	M/P	Port	Delayed
3	2335	MOZ/S 501/00	The National Topographic Mapping in Niassa Province, the Republic of Mozambique	Basic Study	Survey & Mapping	In Progress or In Use
3	2337	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
3	2339	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
3	2341	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
3	2343	MRT/A 316/97	Irrigation and Agricultural Development Project in Upper Delta	F/S	(Agriculture in) General	Promoting
3	2345	MRT/S 307/98	Groundwater Development for Kiffa City	F/S	Water Resources Development	Implementing
3	2347	MRT/A 502/02	The Study for the Fisheries Resources Management Plan in Mauritania	Basic Study	Fishery	In Progress or In Use
3	2349	MRT/S 101/04	The Study on the Development for the Oasis zone in the Mauritania	M/P	Integrated Regional Development Plan	In Progress or In Use
3	2351	MRT/S 101/07	The Study for the Oasis Zone Development Focused on Feminine Promotion in the Islamic Republic of Mauritania	M/P	(Human Resources in) General	In Progress or In Use
3	2353	MUS/S 301/78	Beau Bassin-Port Louis Link Road	F/S	Road	Discontinued or Cancelled
3	2355	MUS/S 401/80	Beau Bassin-Port Louis Link Road	D/D	Road	Discontinued or Cancelled
3	2357	MUS/S 302/89	Port Louis City Water Supply Project	F/S	Water Supply	Promoting
3	2359	MUS/S 303/90	Landslide Protection Project in Port Louis	F/S	River & Erosion Control	Completed
3	2361	MUS/S 402/91	Port Louis Water Supply Project	D/D	Water Supply	Promoting
3	2363	MWI/A 301/94	Bwanje Valley Smallholder Irrigation Development Project	F/S	Irrigation, Drainage & Reclamation	Completed
3	2365	MWI/A 104/96	Sustainable Multiple-Use Resources Management of the Nkhotakota Wildlife Reserve	M/P	Forestry & Forest Conservation	In Progress or In Use
3	2367	MWI/S 306/98	Reconstruction of Mangochi Road Bridge	F/S	Road	Completed
3	2369	MWI/S 111/99	Master Plan on Strengthening of Primary Health Care Services	M/P	Public Health and Medicine	In Progress or In Use
3	2371	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

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	2373	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
3	2375	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
3	2377	MWI/A 502/04	The Capacity Building and Development for Smallholder Irrigation Schemes	Basic Study	Irrigation, Drainage & Reclamation	In Progress or In Use
3	2379	MWI/S 101/05	The national implementation program for district education plans (NIPDEP) in the Republic of Malawi	M/P	Education	In Progress or In Use
3	2381	MWI/A 102/05	The master plan study on aquaculture development in Malawi: National Aquaculture Strategic Plan (NASP) 2006-2015	M/P	Fishery	In Progress or In Use
3	2383	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
3	2385	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
3	2387	NER/A 301/83	Aménagement Hydro-agricole de la Cuvette de Kourani-Baria	F/S	(Agriculture in) General	Completed
3	2389	NER/A 101/89	Rehabilitation of Ouallam Area	M/P	(Agriculture in) General	In Progress or In Use
3	2391	NER/A 302/89	Hydro-Agricultural Development Project of the Ouna-Kouanza Basin	F/S	(Agriculture in) General	Promoting
3	2393	NER/S 501/95	Topographic Mapping of the Djerma Ganda and Dallols Region	Basic Study	Survey & Mapping	In Progress or In Use
3	2395	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
3	2397	NER/S 218/01	The Study on the Sanitation Improvement for the Niamey City	M/P+F/S	Urban Sanitation	Promoting
3	2399	NGA/A 301/77	Agricultural Development Projects in Imo and Bendel States	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2401	NGA/S 101/81	New Ocean Terminal Project	M/P	Port	Discontinued or Cancelled
3	2403	NGA/S 201B/90	Groundwater Development in Sokoto State	M/P+F/S	Water Resources Development	Partially Completed
3	2405	NGA/S 102/94	National Water Resources Master Plan	M/P	River & Erosion Control	Discontinued or Cancelled
3	2407	RWA/S 101/85	Rural Water Supply Project in the Eastern Region	M/P	Water Supply	In Progress or In Use
3	2409	RWA/S 301/91	Rural Water Supply Project in the Eastern Region (Phase 3)	F/S	Water Resources Development	Delayed or Suspended
3	2411	RWA/A 101/08	The Study on Sustainable Rural and Agricultural Development in Bugesera District, Eastern Province in the Republic of Rwanda	M/P	(Agriculture in) General	In Progress or In Use
3	2413	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
3	2415	SEN/S 301/80	Fleet Expansion Program	F/S	Marine Transportation & Ships	Discontinued or Cancelled
3	2417	SEN/A 301/86	Survey for the Small Scale Rural Development Project and Agricultural Verification Study	F/S	(Agriculture in) General	Completed
3	2419	SEN/A 501/90	Agricultural Verification Study	Basic Study	(Agriculture in) General	In Progress or In Use
3	2421	SEN/S 502/91	Mapping Project in Western Senegal	Basic Study	Survey & Mapping	In Progress or In Use
3	2423	SEN/S 201/94	Urban Drainage and Wastewater Systems in Dakar City and Its Surroundings	M/P+F/S	Water Resources Development	Processing
3	2425	SEN/A 221/97	Development Program for Northern Fishing Areas	M/P+F/S	Fishery	Partially Completed
3	2427	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
3	2429	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
3	2431	SEN/A 101/06	L'Etude d'évaluation et de gestion des ressources halieutiques du Senegal	M/P	Fishery	In Progress or In Use
3	2433	SEN/A 301/06	L'Etude sur la Reorganization de la Production du Riz au Senegal	F/S	(Agriculture in) General	Promoting
3	2435	SEN/S 101/07	Etude pour le renforcement de la deconcentration et de la decentralisation de la gestion de l'education en Republique du Senegal	M/P	Education	In Progress or In Use
3	2437	SLE/S 301/80	Mekeni-Kamakwie Road Project	F/S	Road	Partially Completed
3	2439	SLE/A 301/83	Rhombe Swamp Agricultural Development Project	F/S	(Agriculture in) General	Delayed or Suspended

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	2441	SLE/S 101/08	Children and Youth Development Project in Kambia District of the Republic of Sierra Leone	M/P	(Human Resources in) General	In Progress or In Use
3	2443	SWZ/S 301/80	New International Airport Construction Project	F/S	Air Transportation & Airport	Discontinued or Cancelled
3	2445	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
3	2447	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
3	2449	TZA/S 101/76	Natural Soda Development in Lake Natron and Related Transportation Facilities	M/P	(Transportation in) General	Discontinued or Cancelled
3	2451	TZA/S 102/77	Kilimanjaro Region Integrated Development Plan	M/P	Integrated Regional Development Plan	In Progress or In Use
3	2453	TZA/S 301/77	Southern Coastal Link Road Project	F/S	Road	Partially Completed
3	2455	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
3	2457	TZA/S 103/80	Proposed Mahale Mountains National Park	M/P	(Tourism in) General	In Progress or In Use
3	2459	TZA/A 301/80	Lower-Moshi Agricultural Development Project	F/S	(Agriculture in) General	Completed
3	2461	TZA/A 302/83	Mkomazi Valley Area Irrigation Development Project	F/S	(Agriculture in) General	Completed
3	2463	TZA/A 601/88	Expanded Afforestation Work in the Same District of Kilimanjaro Region	Other Studies	Forestry & Forest Conservation	In Progress or In Use
3	2465	TZA/S 303/90	Road Improvement and Maintenance in Dar es Salaam	F/S	Road	Completed
3	2467	TZA/A 303/90	Lower Hai and Lower Rombo Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
3	2469	TZA/S 304/91	Rehabilitation of Dar Es Salaam Water Supply	F/S	Water Supply	Processing
3	2471	TZA/S 104/94	Water Resources Development in the Ruve River	M/P	Water Resources Development	In Progress or In Use
3	2473	TZA/S 201/94	Dar es Salaam Road Development Plan	M/P+F/S	Road	Partially Completed
3	2475	TZA/S 501/94	Topographic Mapping of Mwanza-Geita Block	Basic Study	Survey & Mapping	In Progress or In Use
3	2477	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
3	2479	TZA/S 213/97	Solid Waste Management for Dar es Salaam City	M/P+F/S	Urban Sanitation	Promoting
3	2481	TZA/A 222/97	Smallholder Irrigation Project in Central Wami River Basin	M/P+F/S	(Agriculture in) General	Partially Completed
3	2483	TZA/S 308/98	Groundwater Development for Hanang, Singida Rural, Manyoni and Igunga District	F/S	Water Resources Development	Completed
3	2485	TZA/A 311/98	Lower Moshi Integrated Agriculture and Rural Development Project	F/S	(Agriculture in) General	Promoting
3	2487	TZA/S 127/01	School Mapping and Micro-Planning in Education	M/P	Education	In Progress or In Use
3	2489	TZA/S 219/01	The Study on Water Supply and Sanitation in Lindi and Mtwara Region	M/P+F/S	Water Resources Development	Implementing
3	2491	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
3	2493	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
3	2495	TZA/A 101/04	The Study on National Irrigation Master Plan	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
3	2497	TZA/S 101/05	School mapping and micro-planning in primary education (Phase 2) in the United Republic of Tanzania	M/P	Education	In Progress or In Use
3	2499	TZA/A 101/05	The Support Proram on Rural and Agriculture Sector Development in the United States	M/P	(Administration in) General	In Progress or In Use
3	2501	TZA/S 201/05	The study on water supply improvement in Coast Region and Dar Es Salaam Peri-Urban in the United Republic of Tanzania	M/P+F/S	Water Resources Development	Completed
3	2503	TZA/S 201/06	The Study on Rural Water Supply in Mwanza and Mara Regions	M/P+F/S	Water Supply	Implementing
3	2505	TZA/S 101/07	The Study on Improvements of Opportunities and Obstacles to Development (O&OD) Planning Process	M/P	(Administration in) General	In Progress or In Use
3	2507	TZA/M 101/07	JICA Development Study Support for Capacity Building on Public Financial Management	M/P	Public Finance & Banking	In Progress or In Use

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
3	2509	TZA/S 201/07	The Study on the Ground Water Resources Development and Management in The Internal Drainage Basin in the United Republic of Tanzania	M/P+F/S	Water Resources Development	Completed
3	2511	TZA/S 101/08	Dar es Salaam Transport Policy and System Development Master Plan	M/P	Urban Transportation	In Progress or In Use
3	2513	TZA/S 102/08	The Study on the Groundwater Resources Development and Management in the Internal Drainage Basin in the United Republic of Tanzania	M/P	Water Resources Development	In Progress or In Use
3	2515	TZA/S 103/08	Support program on rural and agricultural sector development phase 2 in the United Republic of Tanzania	M/P	(Development Plan in) General	In Progress or In Use
3	2517	UGA/A 101/94	Integrated Agricultural and Rural Development Project in Central Uganda	M/P	(Agriculture in) General	In Progress or In Use
3	2519	UGA/S 101/94	Telecommunication Network in the Republic of Uganda	M/P	Telecommunication	In Progress or In Use
3	2521	UGA/S 312/96	Rural Water Supply in the Mpigi, Mubende and Kiboga Districts	F/S	Water Resources Development	Completed
3	2523	UGA/S 302/97	Improvement of Trunk Road at Kampala Urban Interface Sections	F/S	Road	Partially Completed
3	2525	UGA/S 501/97	Topographic Mapping of Kampala and Jinja Blocks, North of Lake Victoria	Basic Study	Survey & Mapping	In Progress or In Use
3	2527	UGA/A 101/06	The Study on Improvement of Post-Harvest Processing and Marketing System	M/P	Agricultural Processing	In Progress or In Use
3	2529	UGA/A 102/06	Study on Poverty Eradication through Sustainable Irrigation Project in Eastern Uganda	M/P	Irrigation, Drainage & Reclamation	In Progress or In Use
3	2531	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
3	2533	ZAF/A 101/06	Integrated Holistic Rural Development and Soil Conservation Programme in the Schoonord Area in Sekhukhune District	M/P	(Agriculture in) General	In Progress or In Use
3	2535	ZMB/S 301/81	Microwave Radio Relay Project	F/S	Telecommunication	Completed
3	2537	ZMB/S 302/85	Lusaka International Airport Development Project	F/S	Air Transportation & Airport	Implementing
3	2539	ZMB/S 303/90	Kafue Road Bridge Reconstruction Project	F/S	Road	Completed
3	2541	ZMB/S 101/91	Hydrologic Observation Systems of the Major River Basins	M/P	Water Resources Development	In Progress or In Use
3	2543	ZMB/A 501/92	The Agricultural Verification Study	Basic Study	(Agriculture in) General	In Progress or In Use
3	2545	ZMB/S 110/93	Long Term Plan for Development of Telecommunications Network	M/P	Telecommunication	In Progress or In Use
3	2547	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
3	2549	ZMB/S 102/95	National Water Resources Master Plan	M/P	Water Resources Development	In Progress or In Use
3	2551	ZMB/A 201/95	Mongu Rural Development Project in Zambezi River Flood Plain Area	M/P+F/S	(Agriculture in) General	Completed
3	2553	ZMB/S 220/01	The Study on the Environmental Improvement of Unplanned Urban Settlement in Lusaka	M/P+F/S	Urban Planning & Land Development	Partially Completed
3	2555	ZMB/S 101/08	The Study on Comprehensive Urban Development Plan for the City of Lusaka in the Republic of Zambia	M/P	Integrated Regional Development Plan	In Progress or In Use
3	2557	ZWE/S 601/80	Electrification of National Railways	Other Studies	Railway	In Progress or In Use
3	2559	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
3	2561	ZWE/S 301/83	Installation Project of INTELSAT Standard A Earth Station	F/S	Telecommunication	Completed
3	2563	ZWE/A 301/87	Medium Size Dams in Masvingo Province	F/S	(Agriculture in) General	Completed
3	2565	ZWE/A 302/90	Nyakomba Irrigation Development Project	F/S	(Agriculture in) General	Partially Completed
3	2567	ZWE/S 302/92	Rural Telecommunications Network Project	F/S	(Comms. & Broad. in) General	Partially Completed
3	2569	ZWE/A 101/95	Master Plan Study on Lower Munyati Basin Agricultural Development	M/P	(Agriculture in) General	In Progress or In Use
3	2571	ZWE/S 217/96	Water Pollution Control Project in the Upper Manyame River Basin	M/P+F/S	Environmental Problems	Completed
3	2573	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
3	2575	ZWE/A 501/00	The Forest Survey in the Gwaai and Bembesi Areas	Basic Study	Forestry & Forest Conservation	In Progress or In Use

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4	2577	ARG/S 301/79	Deep Water Port Construction Project at Punta Medanos	F/S	Port	Discontinued or Cancelled
4	2579	ARG/S 101/86	Study on Economic Development	M/P	Integrated Regional Development Plan	In Progress or In Use
4	2581	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
4	2583	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
4	2585	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
4	2587	ARG/S 501/94	Topographic Mapping of North-East Region in Argentine Republic	Basic Study	Survey & Mapping	In Progress or In Use
4	2589	ARG/A 102/95	Forest Resources Management Study at Chaco	M/P	Forestry & Forest Conservation	In Progress or In Use
4	2591	ARG/S 121/96	Economic Development (the Second Study)	M/P	(Development Plan in) General	In Progress or In Use
4	2593	BOL/S 301/77	Viru Viru International Airport Development	F/S	Air Transportation & Airport	Completed
4	2595	BOL/S 501/78	Topographic Mapping Project for Chapare Area	Basic Study	Survey & Mapping	In Progress or In Use
4	2597	BOL/A 501/79	Land Use Mapping Project for Chapare Area	Basic Study	(Agriculture in) General	In Progress or In Use
4	2599	BOL/S 302/82	Railway Construction/Rehabilitation Project (Eastern Line: Taperas-Robore and Ipias-Robore)	F/S	Railway	Completed
4	2601	BOL/S 303/82	National Telecommunication Network Project	F/S	Telecommunication	Discontinued or Cancelled
4	2603	BOL/S 201B/87	El Alto Airport Modernization Project	M/P+F/S	Air Transportation & Airport	Partially Completed
4	2605	BOL/S 304/87	Survey for the Road Improvement between San Borja and Trinidad	F/S	Road	Partially Completed
4	2607	BOL/S 305/87	Groundwater Development Project on El Alto District in La Paz City	F/S	Water Supply	Completed
4	2609	BOL/S 401/88	Survey for the Road Improvement between San Borja and Trinidad	D/D	Road	Partially Completed
4	2611	BOL/A 301/90	Agricultural and Rural Development Project in Santa Ana	F/S	(Agriculture in) General	Partially Completed
4	2613	BOL/S 306/90	Road Improvement between Santa Barbara and Bella Vista	F/S	Road	Processing
4	2615	BOL/S 101/91	Modernization and Rehabilitation of Bolivian National Railways	M/P	Railway	In Progress or In Use
4	2617	BOL/A 101/91	Forest Resources Management	M/P	Forestry & Forest Conservation	In Progress or In Use
4	2619	BOL/S 212/93	Control of Water Contamination of the Rivers in the City of La Paz	M/P+F/S	Environmental Problems	Promoting
4	2621	BOL/A 102/95	Agricultural Marketing Systems in Santa Cruz	M/P	(Agriculture in) General	In Progress or In Use
4	2623	BOL/S 307/95	Improvement Project of the Oruro-Cochabamba Line	F/S	Railway	Promoting
4	2625	BOL/S 502/95	Topographic Mapping of La Paz-Beni Region	Basic Study	Survey & Mapping	In Progress or In Use
4	2627	BOL/S 601/95	Environmental Impact Assessment of Road Improvement between San Borja and Trinidad	Other Studies	Road	In Progress or In Use
4	2629	BOL/S 117/96	Flood Control in the Northern Rural Region of Santa Cruz	M/P	River & Erosion Control	In Progress or In Use
4	2631	BOL/S 218/96	Provincial Groundwater Development	M/P+F/S	Water Resources Development	Completed
4	2633	BOL/A 317/97	Agricultural Development Study of Achacachi Area	F/S	(Agriculture in) General	Partially Completed
4	2635	BOL/S 309/99	The Feasibility Study on Flood Control in the Northern Rural Region of Santa Cruz	F/S	River & Erosion Control	Implementing
4	2637	BOL/A 316/99	Improvement of Agricultural Marketing System in Santa Cruz	F/S	Agricultural Processing	Promoting
4	2639	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
4	2641	BOL/S 101/07	The Study on Preventive Measures Against Road Disasters on Main National Roads in the Republic of Bolivia	M/P	Road	In Progress or In Use
4	2643	BOL/S 101/08	The Project for Drinking Water Supply in the Rural Areas of Beni and Pando Prefectures	M/P	Water Supply	In Progress or In Use

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
4	2645	BRA/S 101/75	Plano de Construção da Nova Ligação Ferroviária Ferroviária	M/P	Railway	In Progress or In Use
4	2647	BRA/S 301/77	Praia Mole Port Construction Project	F/S	Port	Discontinued or Cancelled
4	2649	BRA/S 102/79	Regional Development of the Three States: Espírito Santo, Minas Gerais and Goiás	M/P	Integrated Regional Development Plan	In Progress or In Use
4	2651	BRA/S 103/80	Establishment of the Fire Fighting Training Center in Brasília D.F.	M/P	Architecture & Housing	In Progress or In Use
4	2653	BRA/S 104/85	Regional Development Plan of the Greater Carajas Program	M/P	Integrated Regional Development Plan	In Progress or In Use
4	2655	BRA/S 201B/87	Itajai River Basin Flood Control Project	M/P+F/S	River & Erosion Control	Completed
4	2657	BRA/S 302/89	Flood Control Project in the Lower Itajai River Basin	F/S	River & Erosion Control	Processing
4	2659	BRA/S 202B/90	Disaster Prevention and Restoration Project in Serra do Mar, Cubatao Region	M/P+F/S	River & Erosion Control	Implementing
4	2661	BRA/S 105/91	Urban Transport in Belem	M/P	Urban Transportation	In Progress or In Use
4	2663	BRA/S 101/93	Recuperation of the Guanabara Bay Ecosystem	M/P	Environmental Problems	In Progress or In Use
4	2665	BRA/S 306/94	Navigation of the Parnaíba River Basin	F/S	Port	Promoting
4	2667	BRA/S 106/95	The Utilization of Water Resources in Paraná State	M/P	Water Resources Development	In Progress or In Use
4	2669	BRA/A 120/98	Integrated Development Study for Agriculture and Livestock in Tocantins State	M/P	(Agriculture in) General	In Progress or In Use
4	2671	BRA/A 502/98	The Fishery Resources Study of the Amazon and Tocantins River Mouth Areas	Basic Study	Fishery	In Progress or In Use
4	2673	BRA/S 216/99	The Study on Water Resources Development at the State of Sergipe	M/P+F/S	Water Resources Development	Implementing
4	2675	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
4	2677	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
4	2679	BRA/S 101/01	Master Plan Study on Degraded Land Restoration in the State of Pará in the Federative Republic of Brazil	M/P	Integrated Regional Development Plan	In Progress or In Use
4	2681	BRA/A 128/01	The Study on Agricultural Sector Development for Amazonas State	M/P	(Agriculture in) General	Delayed
4	2683	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	Processing
4	2685	BRA/S 301/03	The Feasibility Study on the Improvement of Transportation System in the Metropolitan Area of Belem	F/S	Urban Transportation	Implementing
4	2687	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
4	2689	BRA/S 101/05	Pecem Industrial and Port Complex development plan in the Federative Republic of Brazil	M/P	Port	In Progress or In Use
4	2691	BRA/S 201/06	Study on Integrated Plan of Environmental Improvement in the Catchment Area of Lake Billings in São Bernardo do Campo	M/P+F/S	Environmental Problems	Processing
4	2693	CHL/S 101/83	State Railways Modernization Project	M/P	Railway	In Progress or In Use
4	2695	CHL/S 102/86	Development Plan of the Ports of Valparaíso and San Antonio	M/P	Port	In Progress or In Use
4	2697	CHL/A 301/86	Mapocho River Basin Agricultural Development Project	F/S	(Agriculture in) General	Implementing
4	2699	CHL/A 302/88	Survey for the Tololo Pampa Area Groundwater-Used Agricultural Development Project	F/S	(Agriculture in) General	Implementing
4	2701	CHL/S 103/92	Rehabilitation and Conservation Program of Bridges	M/P	Road	In Progress or In Use
4	2703	CHL/A 501/92	Forest Resources Management	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	2705	CHL/S 201/94	Development of Water Resources in Northern Chile	M/P+F/S	Water Resources Development	Partially Completed
4	2707	CHL/S 301/94	Feasibility Study on the New Biobío Bridge	F/S	Road	Completed
4	2709	CHL/S 104/95	Industrial Solid Waste Management in the Metropolitan Region	M/P	Urban Sanitation	In Progress or In Use
4	2711	CHL/S 107/98	The Rehabilitation Conservation Program on Bridges (Phase 2)	M/P	Road	In Progress or In Use



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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
4	2713	CHL/A 226/99	Agricultural Development and Water Management in Metropolitan Area	M/P+F/S	(Agriculture in) General	Promoting
4	2715	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
4	2717	CHL/S 101/08	The Study for Capacity Development and Promotion of AR-CDM in the Republic of Chile	M/P	Forestry & Forest Conservation	In Progress or In Use
4	2719	COL/S 101/81	Simon Bolivar Great Memorial Park Project	M/P	Urban Planning & Land Development	In Progress or In Use
4	2721	COL/A 501/81	Fisheries Resources Survey	Basic Study	Fishery	In Progress or In Use
4	2723	COL/S 301/82	Bogota-Buenaventura Road Project	F/S	Road	Discontinued or Cancelled
4	2725	COL/S 102/84	Comprehensive Urban Transport Study in Barranquilla Metropolitan Region	M/P	Urban Transportation	In Progress or In Use
4	2727	COL/A 301/84	Pamplonita River Basin Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
4	2729	COL/A 302/86	Small Scale Irrigation Package Project in Slope Area	F/S	(Agriculture in) General	Partially Completed
4	2731	COL/S 302/87	Urban Development of the Central District of Barranquilla	F/S	Urban Planning & Land Development	Implementing
4	2733	COL/A 101/88	Quindio Basin Integrated Agricultural Development Project	M/P	(Agriculture in) General	In Progress or In Use
4	2735	COL/A 303/89	Ariari River Basin Integrated Agricultural Development Project	F/S	(Agriculture in) General	Processing
4	2737	COL/S 103/91	Air Pollution Control Plan in Santafe de Bogota City Area	M/P	Environmental Problems	In Progress or In Use
4	2739	COL/A 304/91	Quindio Basin Integrated Agricultural Development Project	F/S	(Agriculture in) General	Partially Completed
4	2741	COL/S 104/92	The Urban Transport Study in the City of Cartagena de Indias.	M/P	Urban Transportation	In Progress or In Use
4	2743	COL/A 502/92	Forest Resources Management	Basic Study	Forestry & Forest Conservation	Delayed
4	2745	COL/S 118/96	Urban Transportation for Santafe of Bogota City	M/P	Road	In Progress or In Use
4	2747	COL/S 310/99	Feasibility Study on the Project of Highway and Bus-lane of Santa Fe de Bogota	F/S	Road	Completed
4	2749	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
4	2751	COL/S 130/01	The Study on the Disaster Prevention in the Bogota metropolitan area	M/P	Meteorology & Seismology	In Progress or In Use
4	2753	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
4	2755	COL/S 101/07	The Study on Monitoring and Early Warning System for Landslides and Floods in Selected Areas in the Capital District of Bogot? and Soacha Municipality in the Republic of Colombia	M/P	(Social Infrastructure in) General	In Progress or In Use
4	2757	COL/S 501/07	The Study on the Formulation of Geographic Data Base of the Principal Cities in the Atlantic Coast in Republic of Colombia	Basic Study	Survey & Mapping	In Progress or In Use
4	2759	COL/S 301/08	Study on Sustainable Water Supply for Bogota City and Surrounding Area Based on the Integrated Water Resources Management in the Republic of Colombia	M/P+F/S	Water Resources Development	Promoting
4	2761	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
4	2763	CRI/S 301/81	Second Stage Expansion Project of the Port of Caldera	F/S	Port	Discontinued or Cancelled
4	2765	CRI/S 302/86	Maintenance Project of the Port of Caldera	F/S	Port	Partially Completed
4	2767	CRI/A 201B/88	Limon Integrated Agricultural Development Project	M/P+F/S	(Agriculture in) General	Delayed or Suspended
4	2769	CRI/A 501/88	Fisheries Resources Survey of the Pacific Coast	Basic Study	Fishery	In Progress or In Use
4	2771	CRI/S 501/91	Mapping Project for Metropolitan Area of San Jose City	Basic Study	Survey & Mapping	In Progress or In Use
4	2773	CRI/S 201B/92	Development Project of Three International Airports	M/P+F/S	Air Transportation & Airport	Partially Completed
4	2775	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
4	2777	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

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4	2779	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
4	2781	CUB/A 201/05	The study on sustainable technical development for rice cultivation in the central area in the Republic of Cuba	M/P+F/S	(Agriculture in) General	Implementing
4	2783	DOM/A 301/81	Proyecto del desarrollo agricola del area Agripo (El Pozo)	F/S	(Agriculture in) General	Completed
4	2785	DOM/S 301/85	Radio and Television Development Project	F/S	Broadcasting	Completed
4	2787	DOM/A 302/86	Aguacate-Guayabo Agricultural Development Project	F/S	(Agriculture in) General	Implementing
4	2789	DOM/S 201B/87	Development Project of the San Pedro de Macoris	M/P+F/S	Port	Discontinued or Cancelled
4	2791	DOM/A 303/90	Constanza Valley Irrigation Project	F/S	(Agriculture in) General	Completed
4	2793	DOM/S 501/92	Groundwater Development Project in The Western Region	Basic Study	Water Resources Development	In Progress or In Use
4	2795	DOM/A 304/95	Limon del Yuna Area Agricultural Development	F/S	(Agriculture in) General	Partially Completed
4	2797	DOM/A 227/99	Integrated Rural Development Project of Yaque Del Sur River Basin	M/P+F/S	(Agriculture in) General	Implementing
4	2799	DOM/S 222/01	Improvement of Sewage System and Environment in the City of Santiago	M/P+F/S	Sewerage	Promoting
4	2801	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
4	2803	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	Implementing
4	2805	DOM/A 101/08	The Study on Capacity Development for the Efficient Management of Sustainable Development Programs in the Border Region of the Dominican Republic	M/P	Integrated Regional Development Plan	In Progress or In Use
4	2807	DOM/S 101/08	The Study on National Strategic Plan for Ecotourism Development in the Dominican Republic	M/P	(Tourism in) General	In Progress or In Use
4	2809	ECU/A 301/82	Proyecto Catarama de Desarrollo Agricola	F/S	(Agriculture in) General	Implementing
4	2811	ECU/S 201B/86	Guayaquil City Urban Transportation Plan	M/P+F/S	Urban Transportation	Discontinued or Cancelled
4	2813	ECU/A 501/88	Survey for Forest Inventory in the Northeastern Region	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	2815	ECU/A 302/91	Small-Scale Fishing Port Development Project in Manabi Province	F/S	Fishery	Promoting
4	2817	ECU/S 303/92	Water Resources Development for Chone-Portoviejo River Basins	F/S	Water Resources Development	Implementing
4	2819	ECU/A 304/94	Tumbabiro Irrigation Project	F/S	Irrigation, Drainage & Reclamation	Delayed or Suspended
4	2821	ECU/S 401/94	Detailed Design Study on the Water Transbasin Schemes for Chone-Portoviejo River Basins	D/D	Water Resources Development	Implementing
4	2823	ECU/S 202/95	Extension of Guayaquil Port	M/P+F/S	Port	Promoting
4	2825	ECU/A 101/05	Republic of Ecuador, study on development for reactivation of productivity and poverty reduction in the central-southern region of the Republic of Ecuador	M/P	(Agriculture in) General	In Progress or In Use
4	2827	GRD/S 303/97	Road Rehabilitation and Improvement	F/S	Road	Completed
4	2829	GTM/S 201B/84	Flood Control Project (Archiguate and Pantaleon Rivers)	M/P+F/S	River & Erosion Control	Promoting
4	2831	GTM/S 501/86	Ground Water Development Project	Basic Study	Water Resources Development	In Progress or In Use
4	2833	GTM/S 301/88	Development Project of the Port of Santo Tomas de Castilla	F/S	Port	Partially Completed
4	2835	GTM/A 301/88	Monjas Irrigation Project	F/S	(Agriculture in) General	Promoting
4	2837	GTM/S 302/89	Development Project of La Aurora and Santa Elena Airports	F/S	Air Transportation & Airport	Partially Completed
4	2839	GTM/S 101/91	Comprehensive Urban Transportation System in Guatemala Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
4	2841	GTM/S 202B/91	Solid Waste Management in Metropolitan Area of Guatemala City	M/P+F/S	Urban Sanitation	Partially Completed
4	2843	GTM/A 101/92	Integrated Agricultural and Rural Development Project in Jutiapa	M/P	(Agriculture in) General	In Progress or In Use

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4	2845	GTM/S 203/95	Groundwater Development in the Central Plateau Area	M/P+F/S	Water Resources Development	Completed
4	2847	GTM/A 106/96	Forest Management in Baja Verapas	M/P	Forestry & Forest Conservation	In Progress or In Use
4	2849	GTM/S 219/96	Improvement of Wastewater Management in the Guatemala Metropolitan Area	M/P+F/S	Sewerage	Promoting
4	2851	GTM/S 313/96	Comprehensive Urban Transportation System in the Metropolitan Area	F/S	Urban Transportation	Implementing
4	2853	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
4	2855	GTM/S 221/02	The Study of National Tourism Development for the Republic of Guatemala	M/P+F/S	(Tourism in) General	Implementing
4	2857	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
4	2859	GTM/S 201/05	The study of the improvement/construction of the International Airport in the Republic of Guatemala	M/P+F/S	Air Transportation & Airport	Promoting
4	2861	HND/A 301/78	Agricultural Development in the Choluteca River Basin	F/S	(Agriculture in) General	Promoting
4	2863	HND/S 301/79	New Tegucigalpa Airport Development	F/S	Air Transportation & Airport	Discontinued or Cancelled
4	2865	HND/A 501/83	Inventario Forestal del Distrito Forestal de La Mosquitia	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	2867	HND/A 502/83	Fisheries Resources Survey	Basic Study	Fishery	In Progress or In Use
4	2869	HND/A 302/84	Choluteca River Basin Agricultural Development Project (Updating Study)	F/S	(Agriculture in) General	Delayed or Suspended
4	2871	HND/A 303/85	Aguan Valley Agricultural Development Project (Saba-Olanchito Area)	F/S	(Agriculture in) General	Discontinued or Cancelled
4	2873	HND/S 501/89	Groundwater Development Project in Comayagua	Basic Study	Water Resources Development	In Progress or In Use
4	2875	HND/A 304/90	Rehabilitation of Coyolar Dam and Irrigation Improvement Project in Comayagua Valley	F/S	Irrigation, Drainage & Reclamation	Completed
4	2877	HND/S 102/92	Rural Telecommunications Network Project	M/P	Telecommunication	Discontinued or Cancelled
4	2879	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
4	2881	HND/S 214/93	Improvement of the Ports	M/P+F/S	Port	Partially Completed
4	2883	HND/A 305/94	Irrigated Agricultural Development Project in Jesus de Otoro, Intibuca Department	F/S	Irrigation, Drainage & Reclamation	Promoting
4	2885	HND/S 119/96	Maintenance Project of the Vehicle Traffic System in Teguchigalpa	M/P	Urban Transportation	In Progress or In Use
4	2887	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
4	2889	HND/A 501/96	Forest Resources Management and Development Study in Teupassenti	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	2891	HND/A 113/97	Small Scale Fisheries Development Project on the North Coast	M/P	Fishery	In Progress or In Use
4	2893	HND/S 208/00	Study on Water Supply for Tegucigalpa Urban Area in the Republic of Honduras	M/P+F/S	Water Supply	Promoting
4	2895	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	Processing
4	2897	JAM/A 301/85	Agricultural Development Project on the Black River Lower Morass	F/S	(Agriculture in) General	Discontinued or Cancelled
4	2899	JAM/A 302/87	Modernization and Expansion of the Rio Cobre Irrigation Scheme	F/S	(Agriculture in) General	Implementing
4	2901	MEX/S 601/77	Mexico City Suburban Railways Construction Project	Other Studies	Railway	Discontinued or Cancelled
4	2903	MEX/S 602/79	Suburban Railways Project (Follow-Up)	Other Studies	Railway	In Progress or In Use
4	2905	MEX/S 603/81	Proyecto de Electrificacion de la Linea de Mexico a Irapuato	Other Studies	Railway	In Progress or In Use
4	2907	MEX/S 604/82	Development Plan of Industrial Ports	Other Studies	Integrated Regional Development Plan	In Progress or In Use
4	2909	MEX/S 301/83	Guanajuato New Railway Development Project	F/S	Railway	Discontinued or Cancelled
4	2911	MEX/S 302/83	Development Project of the Industrial Port of Tuxpan	F/S	Port	Discontinued or Cancelled

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4	2913	MEX/S 303/85	Development Project of the Port of Manzanillo	F/S	Port	Completed
4	2915	MEX/S 304/87	Repair Dockyard in Lazaro Cardenas	F/S	Marine Transportation & Ships	Discontinued or Cancelled
4	2917	MEX/S 605/88	Air Pollution Control Plan in the Federal District	Other Studies	Environmental Problems	In Progress or In Use
4	2919	MEX/S 305/90	Improvement of the Pacific Coast Ports	F/S	Port	Completed
4	2921	MEX/S 306/94	Wastewater Treatment in the Federal District of Mexico	F/S	Sewerage	Processing
4	2923	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
4	2925	MEX/S 120/96	Determination of the Investment Strategy for the Tourist Promotion	M/P	(Tourism in) General	In Progress or In Use
4	2927	MEX/A 225/98	Sustainable Development Plan of Forests at Villages in Oaxaca	M/P+F/S	Forestry & Forest Conservation	Processing
4	2929	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
4	2931	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
4	2933	MEX/S 217/99	Study on Solid Waste Management for Mexico City	M/P+F/S	Urban Sanitation	Implementing
4	2935	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
4	2937	NIC/S 306/93	Water Supply Project in Managua	F/S	Water Resources Development	Partially Completed
4	2939	NIC/S 201/94	Road Improvement and Rehabilitation Study	M/P+F/S	Road	Partially Completed
4	2941	NIC/S 202/95	Improvement of the Solid Waste Management System for the City of Managua	M/P+F/S	Urban Sanitation	Implementing
4	2943	NIC/S 215/97	Sanitation and Improvement of Urban Environment of Principal Cities	M/P+F/S	(Public Utilities in) General	Promoting
4	2945	NIC/S 108/98	Comprehensive Transportation Plan in the Municipality of Managua	M/P	Road	In Progress or In Use
4	2947	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
4	2949	NIC/S 223/02	The Study on Vulnerability Reduction for Major Roads in the Republic of Nicaragua	M/P+F/S	Road	Promoting
4	2951	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
4	2953	NIC/S 201/05	The study on improvement of water supply system in Managua in the Republic of Nicaragua	M/P+F/S	Water Supply	Promoting
4	2955	NIC/S 501/06	The Study for Establishment of Base Maps and Hazard Maps for GIS in the Republic of Nicaragua	Basic Study	Survey & Mapping	In Progress or In Use
4	2957	PAN/S 501/81	Topographic Mapping Project of the Caribbean Coastal Area	Basic Study	Survey & Mapping	In Progress or In Use
4	2959	PAN/A 501/83	Fisheries Resources Survey of the Atlantic Coast	Basic Study	Fishery	In Progress or In Use
4	2961	PAN/S 301/84	Short-Wave Broadcast Station Project	F/S	Broadcasting	Discontinued or Cancelled
4	2963	PAN/S 302/84	Urban Transport Project in the Panama Metropolitan Area (ESTAMPA II)	F/S	Urban Transportation	Partially Completed
4	2965	PAN/A 502/84	Survey for the Forest Inventory	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	2967	PAN/S 303/87	Corredor Sur Development Project in the Panama Metropolitan Area (ESTAMPA III)	F/S	Urban Transportation	Implementing
4	2969	PAN/S 215/93	Rehabilitation Plan and Container Terminal Operation Plan at the Port of Cristobal	M/P+F/S	Port	Partially Completed
4	2971	PAN/S 307/93	Study of Alternatives to the Panama Canal	F/S	Marine Transportation & Ships	Promoting
4	2973	PAN/S 308/93	Improvement of Panama-Colon Highway	F/S	Road	Partially Completed
4	2975	PAN/S 201/95	Development of Tourism in the Coastal Area	M/P+F/S	(Tourism in) General	Partially Completed
4	2977	PAN/S 216/97	Development Plan of the Port of Balboa	M/P+F/S	Port	Partially Completed
4	2979	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

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4	2981	PAN/S 101/04	The Study on the Comprehensive Ports Development Plan	M/P	Marine Transportation & Ships	In Progress or In Use
4	2983	PER/A 301/77	Proyecto de la Construcción del Complejo Pesquero del Centro	F/S	Fishery	Promoting
4	2985	PER/S 201B/83	Development Project of the Port of Callao	M/P+F/S	Port	Implementing
4	2987	PER/A 302/84	Chancay-Huaral Valley Rehabilitation Project	F/S	(Agriculture in) General	Partially Completed
4	2989	PER/S 202B/86	Development Project of Jorge Chavez Lima-Callao International Airport	M/P+F/S	Air Transportation & Airport	Partially Completed
4	2991	PER/S 501/86	Topographic Mapping Project for Satipo Area, Department of Junin	Basic Study	Survey & Mapping	In Progress or In Use
4	2993	PER/S 101/87	Disaster Prevention Project in the Rimac River Basin	M/P	River & Erosion Control	In Progress or In Use
4	2995	PER/S 301/89	Improvement of Sewerage System in Southern Part of Lima	F/S	Sewerage	Implementing
4	2997	PER/A 201B/90	Fisheries Development Plan of the Fishing Port Construction in the Central Coast of Peru	M/P+F/S	Fishery	Promoting
4	2999	PER/S 502/92	The Topographic Mapping of Lima Metropolitan Area	Basic Study	Survey & Mapping	In Progress or In Use
4	3001	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
4	3003	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
4	3005	PRY/S 601/76	La Colmena Highway (Follow-Up)	Other Studies	Road	In Progress or In Use
4	3007	PRY/S 301/78	Fleet Expansion Project	F/S	Marine Transportation & Ships	Completed
4	3009	PRY/S 302/79	New Airport Construction Project in Ciudad Presidente Stroessner	F/S	Air Transportation & Airport	Completed
4	3011	PRY/A 301/82	Northwest Lake Ypoa Agricultural Development Project	F/S	(Agriculture in) General	Discontinued or Cancelled
4	3013	PRY/S 201B/83	National Telecommunications & Broadcasts Development Project	M/P+F/S	(Comms. & Broad. in) General	Completed
4	3015	PRY/A 501/83	Forest Inventory in the Northeastern Region	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	3017	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
4	3019	PRY/A 302/84	Survey for the Afforestation Project in Capiibary	F/S	Forestry & Forest Conservation	Completed
4	3021	PRY/S 101/86	The Transportation Facilities Improvement Project of the Asuncion Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
4	3023	PRY/S 202B/86	Storm Drainage System Improvement Project in Asuncion City	M/P+F/S	River & Erosion Control	Partially Completed
4	3025	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
4	3027	PRY/S 303/88	Transportation Facilities Improvement Project of the Asuncion Metropolitan Area	F/S	Urban Transportation	Partially Completed
4	3029	PRY/S 102/89	Water Pollution Control Plan for the Lake Ypacarai and its Basin	M/P	Environmental Problems	In Progress or In Use
4	3031	PRY/A 303/89	Integrated Rural Infrastructure Improvement Project in La Colmena	F/S	(Agriculture in) General	Completed
4	3033	PRY/S 103/91	National Transport Master Plan	M/P	(Transportation in) General	In Progress or In Use
4	3035	PRY/S 216/93	The Establishment of Educational Television Broadcasting Network	M/P+F/S	Broadcasting	Promoting
4	3037	PRY/A 103/94	Integrated Agricultural and Livestock Development Project at Lower Chaco	M/P	(Agriculture in) General	In Progress or In Use
4	3039	PRY/S 203/94	Solid Waste Management for Metropolitan Area of Asuncion	M/P+F/S	Urban Sanitation	Partially Completed
4	3041	PRY/A 107/96	Cooperation Program for the Small Scale Agriculture	M/P	(Agriculture in) General	In Progress or In Use
4	3043	PRY/S 314/96	Arterial Road Development Project	F/S	Road	Partially Completed
4	3045	PRY/S 113/99	The Aftercare Study on Urban Transportation Planning in Asuncion Metropolitan Area	M/P	Urban Transportation	In Progress or In Use
4	3047	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

## List of Study

File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
4	3049	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
4	3051	SLV/A 105/96	Integrated Agricultural Development Project in the Jiboa River Basin	M/P	(Agriculture in) General	In Progress or In Use
4	3053	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	Processing
4	3055	SLV/S 214/98	Port Reactivation in the Union Province	M/P+F/S	Port	Implementing
4	3057	SLV/S 311/99	The Feasibility Study for the Improvement of the National Road Route 2 and Route 7	F/S	Road	Promoting
4	3059	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
4	3061	SLV/S 504/01	The Study for Establishment of National Basic Geographic Data	Basic Study	Survey & Mapping	In Progress or In Use
4	3063	SLV/A 110/02	The Master plan Study on Artisanal Fishery Development in the Republic of El Salvador	M/P	Fishery	In Progress or In Use
4	3065	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	Implementing
4	3067	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
4	3069	SLV/S 301/06	Feasibility Study on Establishment of the e-Government Platform in the Republic of El Salvador	F/S	Information & Public Relations	Delayed or Suspended
4	3071	TTO/S 201B/91	Improvement of Water Supply Supervisory System	M/P+F/S	Water Supply	Delayed or Suspended
4	3073	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
4	3075	URY/S 301/89	Development Plan of the International Airport of Carrasco	F/S	Air Transportation & Airport	Discontinued or Cancelled
4	3077	URY/A 301/90	National Reforestation Plan	F/S	Forestry & Forest Conservation	Completed
4	3079	URY/S 302/92	Development of New Port Terminals at Montevideo Port	F/S	Port	Promoting
4	3081	URY/S 101/06	The Study on Capacity Development for Water Quality Management in Montevideo and Metropolitan area	M/P	River & Erosion Control	In Progress or In Use
4	3083	VEN/S 101/80	Design on Cargo Handling Equipments	M/P	Port	Discontinued or Cancelled
4	3085	VEN/S 201B/89	Chama River Basin Conservation Project	M/P+F/S	River & Erosion Control	Completed
4	3087	VEN/S 111/93	Comprehensive Improvement of the Apure River Basin	M/P	River & Erosion Control	In Progress or In Use
4	3089	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
4	3091	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	Delayed or Suspended
4	3093	VEN/S 201/04	The study on disaster prevention basic plan in the Caracas Metropolitan Major District	M/P+F/S	Meteorology & Seismology	Promoting
4	3095	COK/S 201B/92	Coastal Protection and Port Improvement	M/P+F/S	(Development Plan in) General	Promoting
4	3097	COK/S 202/94	Additional Study on Coastal Protection and Port Improvement	M/P+F/S	Port	Promoting
4	3099	FJI/A 501/78	Analytical Survey of Coconut Forests in Taveuni Island	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	3101	FJI/A 502/82	The Survey for Forest Development in Fiji	Basic Study	Forestry & Forest Conservation	In Progress or In Use
4	3103	FJI/A 503/87	Fisheries Resources Survey in Fiji and Tuvalu	Basic Study	Fishery	In Progress or In Use
4	3105	FJI/S 201/95	North Viti Levu Groundwater Development Project	M/P+F/S	Water Resources Development	Delayed or Suspended
4	3107	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
4	3109	FJI/S 503/98	The Preparation of Nautical Charts in the Northern Lau Islands Region	Basic Study	Survey & Mapping	In Progress or In Use
4	3111	KIR/A 501/78	Fishery Resources in the Gilbert Islands	Basic Study	Fishery	In Progress or In Use
4	3113	KIR/S 201/94	Ports Development in Kiribati	M/P+F/S	Port	Implementing
4	3115	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

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
4	3117	PNG/A 301/77	Fishing Base Construction Project	F/S	Fishery	Discontinued or Cancelled
4	3119	PNG/S 301/89	Rural Telecommunication Development Plan in Papua New Guinea	F/S	Telecommunication	Discontinued or Cancelled
4	3121	PNG/S 401/89	Detailed Design on Road Construction Project in Bereina-Malalaua	D/D	Road	Completed
4	3123	PNG/S 302/91	Tokua Airport Development Project	F/S	Air Transportation & Airport	Completed
4	3125	PNG/S 217/93	Port Moresby Water Supply Development Plan	M/P+F/S	Water Supply	Partially Completed
4	3127	PNG/S 216/98	Sewerage System of Port Moresby	M/P+F/S	Sewerage	Promoting
4	3129	PNG/S 132/01	Investigation and Development of Underground Water Sources for Water Supply Project	M/P	Water Supply	In Progress or In Use
4	3131	SLB/S 301/79	Telecommunication Trunk Network Construction Project	F/S	Telecommunication	Discontinued or Cancelled
4	3133	SLB/S 302/91	Development Project of Henderson International Airport	F/S	Air Transportation & Airport	Partially Completed
4	3135	SLB/A 201/94	Development Study on Improvement of Nationwide Fish Marketing System	M/P+F/S	Fishery	Partially Completed
4	3137	SMA/S 201B/87	Development of the Ports in Western Samoa	M/P+F/S	Port	Completed
4	3139	SMA/S 217/98	Improvement of Apia Port	M/P+F/S	Port	Completed
4	3141	ALB/S 304/97	Sewerage System in Metropolitan Tirana	F/S	Sewerage	Processing
4	3143	ALB/S 201/06	Sewerage System and Sewage Treatment Plant for Greater Tirana	M/P+F/S	Sewerage	Implementing
4	3145	BGR/S 201/94	Solid Waste Management for the Territory of the Sofia Greater Municipality	M/P+F/S	Urban Sanitation	Implementing
4	3147	BGR/S 107/97	Long Term Management of Bulgarian Railways	M/P	Railway	In Progress or In Use
4	3149	BGR/A 318/97	Project for Agricultural Reform	F/S	(Agriculture in) General	Partially Completed
4	3151	BGR/S 218/98	Environmental Management for Water Pollution Control in Maritza River Basin	M/P+F/S	Environmental Problems	Processing
4	3153	BGR/S 101/07	The Study on Integrated Water Management in the Republic of Bulgaria	M/P	Water Resources Development	In Progress or In Use
4	3155	BHG/S 312/99	Feasibility Study on the Waste Water Treatment Plant of Sarajevo City	F/S	Sewerage	Delayed or Suspended
4	3157	BHG/S 108/00	The Study on the Transport Masterplan in Bosnia and Herzegovina	M/P	(Transportation in) General	In Progress or In Use
4	3159	BHG/S 501/05	The study on establishing digital topographic maps for Bosnia and Herzegovina	Basic Study	Survey & Mapping	In Progress or In Use
4	3161	GRC/S 601/89	Tourism Promotion	Other Studies	(Tourism in) General	In Progress or In Use
4	3163	HUN/S 218/93	Municipal Solid Waste Management in Budapest	M/P+F/S	Urban Sanitation	Delayed or Suspended
4	3165	HUN/S 101/94	Integrated Air Pollution Control Plan for Sajo Valley Area	M/P	Environmental Problems	In Progress or In Use
4	3167	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
4	3169	MKD/S 114/99	The Study on Air Pollution Monitoring System	M/P	Environmental Problems	In Progress or In Use
4	3171	MKD/S 115/99	Master Plan Study on Integrated Water Resources Development and Management	M/P	Water Resources Development	In Progress or In Use
4	3173	MKD/S 501/06	The Study for Establishment of State Base Maps for GIS in the Former Yugoslav Republic of Macedonia	Basic Study	Survey & Mapping	In Progress or In Use
4	3175	MKD/S 101/07	The Study on Capacity Development for Soil Contamination Management Related to Mining in the Former Yugoslav Republic of Macedonia	M/P	Mining	In Progress or In Use
4	3177	MKD/S 101/08	The Study on Capacity Development for Soil Contamination Management Related to Mining in the Former Yugoslav Republic of Macedonia	M/P	Mining	In Progress or In Use
4	3179	POL/S 101/92	National Transport Plan	M/P	(Transportation in) General	In Progress or In Use
4	3181	POL/S 219/93	Solid Waste Management for Poznan City	M/P+F/S	Urban Sanitation	Delayed or Suspended

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File No.	Page	Study ID	Name of Study	Type of Study	Field	Status
4	3183	POL/S 108/97	Privatization of Polish State Railways	M/P	Railway	In Progress or In Use
4	3185	POL/S 115/98	Integrated Regional Development of Konin Province in Poland	M/P	Integrated Regional Development Plan	In Progress or In Use
4	3187	POL/S 101/04	Feasibility Study on Polish State Railways S.A. (PKP S.A.) Privatization in Poland	M/P	Railway	In Progress or In Use
4	3189	ROM/S 201/95	Solid Waste Management System for Bucharest Municipality	M/P+F/S	Urban Sanitation	Partially Completed
4	3191	ROM/A 301/95	Irrigation Project in Ruginesti-Pufesti-Panciu District Vrancea	F/S	(Agriculture in) General	Implementing
4	3193	ROM/S 111/98	Master Plan for Environmental Water Management on the Prahova River Basin	M/P	Environmental Problems	Delayed
4	3195	ROM/S 220/99	The Comprehensive Urban Transport Study of Bucharest City and its Metropolitan Area	M/P+F/S	Urban Transportation	Implementing
4	3197	ROM/S 313/99	Feasibility Study on Wastewater Treatment along the Danube River Downstream Reach	F/S	Sewerage	Implementing
4	3199	ROM/A 317/99	Forests Restoration in Romanian Plain	F/S	Forestry & Forest Conservation	Delayed or Suspended
4	3201	ROM/S 223/01	The Feasibility Study on the Development Project of the Port of Constantza	M/P+F/S	Port	Partially Completed
4	3203	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
4	3205	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
4	3207	CRO/S 224/01	Study on Water Pollution Reduction at the River Sava Basin	M/P+F/S	Urban Sanitation	Promoting
4	3209	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
4	3211	LTU/S 309/98	Sewerage System Improvement of Birzai and Skuodas town	F/S	Sewerage	Completed
4	3213	LTU/S 201/04	The Study for the Port Development Project in Lithuania	M/P+F/S	Port	Promoting
4	3215	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
4	3217	MNE/S 101/08	The Study for Establishment of Geographic Information for Implementation of National Physical Plan in the Republic of Montenegro	M/P	Urban Planning & Land Development	In Progress or In Use
4	3219	PLU/S 101/77	Establishment of Electronic and Navigational Aid Systems Project	M/P	Marine Transportation & Ships	In Progress or In Use
4	3221	PLU/S 501/78	ASEAN Submarine Cable Project: Thailand-Malaysia-Singapore Route	Basic Study	Telecommunication	In Progress or In Use
4	3223	PLU/S 502/78	Joint Hydrographic Survey in Malacca and Singapore Straits (One Fathom Bank Area)	Basic Study	Marine Transportation & Ships	In Progress or In Use
4	3225	PLU/S 301/79	Construction of Indo-Chinese Refugee Camps	F/S	Architecture & Housing	Discontinued or Cancelled
4	3227	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
4	3229	PLU/S 504/84	Medan (Indonesia) - Colombo (Sri Lanka) Submarine Cable Project	Basic Study	Telecommunication	In Progress or In Use
4	3231	PLU/S 306/97	Proposed New Bridge over the Zambezi River at Chirundu Border Post	F/S	Road	Partially Completed
4	3233	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
4	3235	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
4	3237	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
4	3239	PLU/S 225/01	Scholarship Program for International Students Studying in Japan at Their Own Expense	M/P+F/S	Education	Implementing
4	3241	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	Processing
4	3243	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)

Compiled Mar.1986

Revised Sep.2010

**ASE BRN/S 601/83**

<b>1. COUNTRY</b>	Brunei		
<b>2. NAME OF STUDY</b>	Improvement of Brunei Government Printing Department		
<b>3. SECTOR</b>	Social Infrastructure / Architecture & Housing		<b>4. TYPE OF STUDY</b> Other Studies
<b>5.</b>	Government Printing Dept.		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Proposal on improving of Government Printing Dept.		
<b>7. CONSULTANT(S)</b>	Kokuyo Co., Ltd.		
<b>8. STUDY PERIOD</b>	Sep.1983	~ Jan.1984	4month(s)
<b>9. SITE OR AREA</b>			
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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;          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.          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.          Together with the color printing machines, Binding machines and Graphic reproduction will be needed.          List of machine to be added;          - Sheeted offset printing machine      4 sets          - Binding machines and the related      7 sets          - Color Scanner for graphic reproduction   1 set          Total in Amount : B\$4,445,000.- (Yen 545,000,000.-)</p> <p>(2) Personnel Plan;          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;          To ensure smooth operation of the grouped by production process and to improve production efficiency, the following are proposed.</p> <p>(i) To hold production conference          (ii) To establish efficiency improvement committee          (iii) To establish quality and control committee</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1988

Revised Sep.2010

**ASE BRN/S 101/85**

<b>1. COUNTRY</b>	Brunei		
<b>2. NAME OF STUDY</b>	Public Transport System in Negara Brunei Darussalam		
<b>3. SECTOR</b>	Transportation / (Transportation in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Land Transport Dept.	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Preparation of a Master Plan for the improvement and an intermediate programme of the Public Transport System		
<b>7. CONSULTANT(S)</b>	Japan Engineering Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1984 ~ Mar.1985	8month(s)	
	Jun.1985 ~ Jul.1985	1month	
<b>9. SITE OR AREA</b>	Urban area and its outskirts		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1) Improvement Plan of Public Bus System</p> <ul style="list-style-type: none"> <li>- Purchase 235 new buses</li> <li>- Strengthen bus network and its operation</li> <li>- Improve bus terminals, bus stops, operation offices and workshops</li> </ul> <p>2) Improvement Plan of Taxi System</p> <ul style="list-style-type: none"> <li>- Construction of taxi stations</li> <li>- Introduction of radio equipped taxis</li> </ul> <p>3) Relevant Improvement Plan</p> <ul style="list-style-type: none"> <li>- Improvement of arterial road network</li> <li>- Introduction of grade separated intersections</li> <li>- Improvement of traffic control system</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1995

Revised Sep.2010

ASE BRN/A 503/93

<b>1. COUNTRY</b>	Brunei		
<b>2. NAME OF STUDY</b>	Development Survey on the Forest Resources in Brunei Darussalam		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Industry and Primary Resources	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To prepare topographic, soil and vegetation maps in the model Plantation Area and to recommend on the forest operation. To prepare vegetation map inside the National Park Area and to formulate forest management guideline for the National Park.		
<b>7. CONSULTANT(S)</b>	Japan Forest Civil Engineering Consultants Foundation Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Mar.1992 ~ Mar.1994 24month(s) ~		
<b>9. SITE OR AREA</b>	Western part of Daerah Tutuiong and Daerah Belait (A=50,000ha) Eastern part of Daerah Temburong (A=10,000ha)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

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

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1995

Revised Sep.2010

ASE **KHM/S 201/93**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Phnom Penh Water Supply System		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Phnom Penh Water Supply Authority	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of M/P on water maintenance in Phnom Penh, Basic study on the urgent rehabilitation of existing water facilities.		
<b>7. CONSULTANT(S)</b>	Tokyo Engineering Consultants Co., Ltd. Nihon Suido Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.1993 ~ Dec.1993 11month(s) ~		
<b>9. SITE OR AREA</b>	Phnom Penh city		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

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

**Description :**

1. Urgent Rehabilitation Project : Rehabilitation of Existing Facilities  
1)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:(1) Construction of transmission pump in Phum Prek treatment plant(PPTP) (2) construction of pump room,installation of transmission pipe (500mm)  
(3) rehabilitation of elevated tank, installation of pressure control valves  
Construction Jul.1994~Feb.1995 Implemented and Completed Trader: Kubota Construction (870.7 mil.Yen)

2) 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: (1)Improvement of electric equipment in PPTP, (2) construction of service reservoir, (3) installation of distribution pipes and meters, (4) supply of cover joints for repairing pipes  
Construction: Dec.1994~Feb.1996 Implemented and Completed Trader: Kubota Construction (1,610.9 mil.Yen)  
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 Trader: Kubota Construction  
Effect:(1)Reduction of escape of water (estimated to be 50% at present) and installation of water meter will stabilize the management of water corporation. (2) Stabilized Water supply will improve the health condition and welfare of residents, and activate regional economy. (3)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

5. Trunk Distribution Pipe Project  
(FY 1998 Domestic & Overseas Surveys)  
Subsequent Studies: Apr.1997~Dec.1998 B/D, D/D US\$900,000 (ADB)  
Finance: US\$12.9 mil (ADB) Contents: construction of distribution pipe with 600~1,600mm in diameter and 16km in length.  
Operation & Management: Water Supply Authority

6. Other Distribution Facilities  
(FY 1998 Domestic & Overseas Surveys)  
(1)Toul Kork (Subsequent Studies: Oct.~Dec.1997 D/D (Own Fund))  
Finance: US\$2.3 mil (IBRD) and 2,700 mil Riel (Own fund) Construction: Feb.~Dec.1999 (Water Supply Authority)  
(2) Cham Car Morn Plant (Subsequent Studies: Jan.~Apr.1997 D/D (Own Fund))  
Finance: US\$1.5 mil (ADB) and 1,500 mil Riel (Own fund) Construction: Oct.1997~Jan.1999 (Water Supply Authority)  
(3)Daun Penh (Subsequent Studies: Jan.~Sep.1993 D/D (Own Fund))  
Finance: US\$1.5 mil (IBRD and Franch grant) and 1,500 mil Riel (Own fund) Construction: Oct.1993~Apr.1996  
Operation & Management: Water Supply Authority  
Effect: Recovery of water pressure, distribution of safe drinking water, and decrease of leakage.

7. Japanese Technical Assistance  
(FY 1998 Domestic Survey)  
Acceptance of two trainees (one month, leakage protection management and water charge collection).  
Dispatch of the experts: Oct.1998~6 months Dispatch of an expert from Thailand (Water supply), Oct.1998~2 years Dispatch of a JOCV staff (Water quality control), A JICA expert (water channel management) is to be dispatched for 6 months.  
(FY 1999 Overseas Survey)  
1) Request for Japan's project-type technical cooperation (2000~2004, Program for Maintenance and Operation of Water Supply Facilities in Phnom Penh) is under preparation. 2) Request for the dispatch of a Thai expert in FY 2000 is also under preparation.

8. Expansion Project (with the capacity of 50,000cu.m/day) of PPTP  
(FY 1998 Domestic & Overseas Surveys) Water Supply Authority has requested Japanese government to provide the financial support since the supply of electricity has been improved.  
(FY 2000 Domestic Survey) Subsequent Studies:Jun.2000~Dec.2000 B/D (JICA)  
(FY 2001 Domestic Survey) May 2001 E/N 2,580 mil.Yen (Project for Expansion of Phum Prek Treatment Plant)

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Sep.1995

Revised Sep.2010

**ASE KHM/A 201/94**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Integrated Agricultural and Rural Development Project in Suburbs of Phnom Penh		
<b>3. SECTOR</b>	Agriculture	/ Irrigation, Drainage & Reclamation	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Agriculture, Forestry and Fisheries, General Directorate of Irrigation, Meteorology and Hydrology (GDIMH)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of the M/P on rural area development including arrangement of the basic foundation of the rural areas, improvement of agricultural techniques and living standard of farm households. Formulation of F/S on the selected model area.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1993 ~ Mar.1995 24month(s) ~		
<b>9. SITE OR AREA</b>	Tonle Bati area at Takeo Province, Kandal Stung area at Kandal Pvince		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<b>Description :</b>		
<p>(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)</p> <p>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.</p> <p>Finance:  Jan.1996 Government budget US\$ 2,437,000</p> <p>Construction:  Jan 1997~Dec.1997</p> <p>(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.</p> <p>(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.</p> <p>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.</p> <p>Subsequent Study:  (FY 1998 Domestic Survey)  Feb.1998 FU Study by ADCA</p> <p>Finance:  (FY 1998 Domestic Survey)  They strongly desire to implement this project by a Japan's grant aid assistance.</p> <p>Related Project:  (FY 1999 Domestic Survey)  Prekt Not Dam will go into progress as a JICA's project.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Oct.1996

Revised Sep.2010

ASE **KHM/S 302/95**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Telecommunications Network for Phnom Penh City and its Surrounding Area		
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ministry of Posts and Telecommunications (MPTC)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To considerate the demand trend and elaborate the Telecommunication System Project consisted of System Plan, Number Plan, Signal System Plan etc., by adjusting it to ITU Master Plan.		
<b>7. CONSULTANT(S)</b>	NTT International Corporation Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Sep.1994 ~ Jul.1995 10month(s) ~		
<b>9. SITE OR AREA</b>	Phnom Penh City and its surrounding area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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.</p> <p>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>		

<b>PRESENT STATUS</b>	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> Construction : Building: Feb. 6.1996~Mar.31.1997, Equipment: Jun.12.1996~Mar.31.1997, Contractor: Building: Oobayashi Gumi, Equipment: Nichimen, <Phase II> Construction: Building: Nov.18.1996~Mar.31.1997, Equipment: Feb. 1997~Mar.31.1998, Contractor Construction: Oobayashi Gumi, Equipment: Nissho Iwai 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.

Future problem: (FY 2001 Domestic 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.

(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: (1) Installation project in the remnant 6 exchange areas ; North, C.C.Reh, Takhmau, P.Phnou, Russey Keo, Chbar Ampoav (2) Stimulate / Activate socio-economic development, thus consolidating urban-suburban relations and mutual development with the Capital City (3) 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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to-date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Jun.1997

Revised Sep.2010

ASE **KHM/S 305/96**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Construction of Mekong Bridge		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Public Works and Transport		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To undertake F/S on construction of Mekong Bridge to improve the transportation facilities across the Mekong River, which is one of the major objectives for rehabilitation/improvement of main roads and bridges in order to reconstruct Cambodia.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. PADECO Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1995 ~ May.1996 14month(s) ~		
<b>9. SITE OR AREA</b>	Kompong Cham City		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>Implementing period: 42 months</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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 million JPY (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> <p>(FY 2007 Domestic Survey)(FY 2007 Overseas Survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1998

Revised Sep.2010

ASE **KHM/S 201/97**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Master Planning and Feasibility Study of the Sihanoukville Port in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works and Transport (MPWT)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Based on a request of the government of Cambodia, make M/P (target year: 2015) for Sihanoukville Port and conduct F/S (target year: 2005) related to a short-term improvement plan.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Mar.1996 ~ Jul.1997 16month(s) ~		
<b>9. SITE OR AREA</b>	Sihanoukville Port		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P: (Project. period planned: 2000-2014)</p> <ul style="list-style-type: none"> <li>Improvement in wharfs for general freight (new construction 400 m)</li> <li>Improvement in wharfs for containers (new construction 400 m, repair 50 m)</li> <li>Container gantry crane (4)</li> <li>Improvement in wharfs for bulk (new construction 300 m)</li> </ul> <p>F/S: (Project period planned: 1998~2004)</p> <ul style="list-style-type: none"> <li>Improvement in wharfs for general freight (new construction 400 m)</li> <li>Improvement in wharfs for containers (new construction 240 m)</li> <li>Container gantry crane (2)</li> </ul>		

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)  
January 14, 2000 L/A (ODA loan) 4,142 million yen "Sihanoukville Urgent Rehabilitation Project"  
Content of a project financed: Improvement in container terminals  
Consultant: PCI (Pacific Consultants International)  
(FY 2003 Overseas Survey)  
Additional request for yen loan:  
PAS requested support by yen loan to the government of Japan for the implementation of Phase 2 in November 2002. A project in Phase 2 includes the extension of wharfs for containers (160m), the construction of wharfs (normal) (265 m) and the installment of container handling equipments. JBIC dispatched a study team for actual situation in December 2002 and prepared for 4 project options for the project to improve and extend Sihanoukville Port. The government of Japan decided to implement the project by yen loan and notified it to the Cambodian side in December 2003.

Construction:  
(FY 2001 Domestic Survey)  
(Package A) Construction works of container terminals: They started in March 2002 and are scheduled to finish in August 2004.  
(Package B) Berths for general freight and remaining facilities in container terminals  
(Package C) Procurement of freight-handling machinery: It is necessary to procure only handling machinery for container terminals, and there is a plan to install them when container terminals start operation.  
(FY 2002 Domestic Survey)  
Construction of container terminals: Start in April 2002.  
(FY 2003 Domestic Survey)  
The completion of construction is scheduled in September 2004 (progress situation: about 70%)  
Management and operation after the completion of construction: Sihanoukville Autonomous Port (PAS)  
Japanese technical cooperation (dispatch of experts):  
(FY 2001 Domestic Survey)  
Place for dispatch: MPWT  
Period: September 1999-August 2001  
Specialized field: Harbor  
(FY 2003 Overseas Survey)  
April 2002-April 2004 Experts of harbor and traffic  
(Acceptance of Trainees):  
(FY 2003 Domestic Survey)  
2003 6 people, Terminal management

Background:  
(FY 1998 Domestic Survey)  
They decided to start detailed design for an urgent improvement plan. But, it has been interrupted by political instability in Cambodia.  
(FY 2003 Overseas Survey)  
Other technical assistance:  
"SAP and Prevention Program for HIV/AIDS and STI (Sexually Transmitted Infections) in Sihanoukville Port Improvement Project"  
Background:  
They suppose that the probability of HIV/AIDS infection for workers engaged in the Sihanoukville Port Reconstruction Project is high. JBIC implemented the project with the Sihanoukville Autonomous Port (PAS) and the Ministry of Health (MOH) of Cambodia to introduce effective measures for the prevention of HIV/AIDS infection.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (F/S)

Compiled Jul.1998

Revised Sep.2010

ASE **KHM/A 307/97**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Agricultural Development Study of the Mekong Flooded Area		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	General Department of Irrigation, Hydrology and Meteorology (GDIHM), Ministry of Agriculture, Forestry and Fisheries (MAFF)		
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Based on a request of the government of Cambodia, make an agricultural development plan for about 1,100 thousand ha (200 thousand farm households) in the watershed of Mekong River located in southern 5 provinces of the country and conduct F/S for priority areas.		
<b>7. CONSULTANT(S)</b>	Sanyu Consultants Inc.		
<b>8. STUDY PERIOD</b>	Mar.1996 ~ Dec.1997 21month(s) ~		
<b>9. SITE OR AREA</b>	1. Colmatage Agriculture Improvement Project: Kien Svay district (2,640 ha) and S'ang district (720 ha, 1,500 ha) in Kandal province 2. Agriculture and Fisheries Harmony Type Development Project: Khsach Kandal county (6,130 ha) in Kandal province.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Colmatage Agriculture Improvement Project</p> <ul style="list-style-type: none"> <li>- Repair of 20 channels (length of channels about 36 km)</li> <li>- Construction of gates in 5 channels</li> <li>- Repair of bridges in 10 places</li> </ul> <p>2. Agriculture and Fisheries Harmony Type Development Project</p> <ul style="list-style-type: none"> <li>- Improvement in reservoirs and multi-purpose roads</li> <li>- Construction of weirs which preserve water areas</li> <li>- Improvement in Colmatage channels</li> <li>- Construction of roads which play a role of dikes in polders with the aim of controlling floods</li> </ul> <p>[Project period planned]</p> <ul style="list-style-type: none"> <li>1. 3 years</li> <li>2. 7 years</li> </ul>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>  (FY 1998 Domestic survey)  B/D was implemented for Colmatage along Mekong River.</p> <p>(FY 1999 Domestic and Overseas survey)(FY 2000 Domestic survey)(FY 2001 Domestic and Overseas survey)  Subsequent study: Plan to Improve Facilities for Irrigation along Mekong River in Kandal province  Implementing body: MOWRAM  Implementing period: February, 1999 - January, 2001  Detailed plan: 1998  Main frame work February, 1999 - January, 2001  Purpose: Establishment of Improvement of irrigation association, increase of agricultural production, improvement of living standards by improving facilities for Colmatage irrigation channels.  Relation to the implemented study: Possibility for the implementation for Colmatage channels was confirmed by the study.  Funding:  Funding party: Detailed plan (Japanese government, E/N concluded 19 February, 1999), Main frame work (Japanese government, E/N concluded 15 June, 1999)  Amount: Detailed plan (4.3 million JPY), Main frame work (1104 million JPY)  Content: Improvement in 4 Colmatage channels (total 8,080 m), Improvement in water gates, Provision of machinery and materials for maintenance  Benefit effect: The constructed facilities make positive impacts not only on agricultural production in the project areas but also on food management, fish migration, traffic and other aspects.  Progress:  (FY1999 Overseas survey) In progress  (FY2000 Domestic survey) March 15, 2001 Completion of construction is scheduled. It rained heavily this year and floods happened. Thus, construction works of channels were late, and the progress situation is 66% at the end of July although 85.9% was planned.  (FY2001 Domestic and Overseas survey) The construction was completed on August 2001. But, a part of the constructed facilities was damaged by large floods of Mekong River, and it is necessary to repair them in this dry season.  (FY2007 Overseas survey) Project was completed.</p> <p>(FY2007 Domestic survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (Basic Study)

Compiled Dec.1999

Revised Sep.2010

**ASE KHM/S 501/98**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Topographic Mapping for Angkor Archaeological Area in Siem Reap Region		
<b>3. SECTOR</b>	Social Infrastructure	/ Survey & Mapping	<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	APSARA (Authority for the Protection of Sight and Management of Region of Angkor)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To make 1)topographic map at a scale of 1:10,000 (430km <sup>2</sup> ); 2) topographic map at a scale of 1:5,000 (100km <sup>2</sup> ); 3)monochrome aerial photography at a scale of 1:20,000; and 4)color aerial photography at a scale of 1:5,000 (100km <sup>2</sup> ).		
<b>7. CONSULTANT(S)</b>	International Engineering Consultants Association KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Jan.1997	~ Jul.1998	18month(s)
<b>9. SITE OR AREA</b>	Topographic map at a scale of 1:10,000(430km <sup>2</sup> )		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 1999 Domestic Survey)

Targeted area of the study is located on 20km north of lake Tonlesap. There are Angkor Archaeological Area including Angkor Wat and Angkor Thom. Currently, UNESCO, JSA (Japanese Government Team for Safeguarding Angkor), France, Germany, and other are involved in planning of dig, study, and conservation of Angkor Archaeological Area, but in about topographical map that cover the area, there are only 1/50,000 scale topographical map made by USA at 1960's.

Angkor Archaeological Area was registered as world heritage by UNESCO at January, 1996. In order to promote dig, study, and conservation plan and for infrastructure development plan of Angkor Archaeological Area and its surrounding area, large scale topographical map has become necessary urgently. The government of Cambodia requested against government of Japan, and study was implemented from January, 1997 to July, 1998. The following outputs have been made: 1)topographic map at a scale of 1:10,000 (430km<sup>2</sup>); 2) topographic map at a scale of 1:5,000 (100km<sup>2</sup>); 3)monochrome aerial photography at a scale of 1:20,000; and 4)color aerial photography at a scale of 1:5,000 (100km<sup>2</sup>).

**Condition:**

(FY 2001 Domestic Survey)(FY 2001 Overseas Study)(FY 2003 Domestic Survey)

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 an 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 truck 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.

(FY 2004 Domestic Survey)

Subsequent study: Comprehensive master plan study for sustainable development of Siem Reap and Angkor town

## 1) Objective:

-Preparation of comprehensive master plan for long-term sustainable development of SRAT in focus of appropriate balance between tourism industry, urban environment, and organizational capacity.

-To pose measures in focus of promotion of local economy and diversification in relation with tourism development, as part of comprehensive master plan.

-Promote technical transfer to counterpart of Cambodia in order to strengthen the capacity of local stakeholders, such as government agencies and communities.

2) Implementing period: November, 2004-March, 2006

## 3) Technical assistance:

-Dispatched JOCV(APSARA) as SE of counterpart December, 2000-

GIS system structuring support in APSARA. Fourth JOCV volunteer is planned to be dispatched at December, 2004.

(FY 2008 Domestic Survey)

Technical cooperation/expert dispatch program: Urban planning management advisors (From May 7, 2008 to May 6, 2010)

(FY 2008 Overseas Survey)

No information to be specifically mentioned.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jun.2000

Revised Sep.2010

**ASE KHM/S 203/99**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Study on Drainage Improvement and Flood Control in the Municipality of Phnom Penh		
<b>3. SECTOR</b>	Public Utilities	/ Sewerage	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Public Works and Transport, The Municipality of Phnom Penh	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) To formulate a Master Plan of drainage improvement and flood control in the Municipality of Phnom Penh with the target year 2010. 2) To conduct a Feasibility Study on drainage improvement and flood control for the priority project identified in the Master Plan Study 3) To transfer knowledge on method and management of drainage improvement and flood control to counterpart personnel in the course of the study.		
<b>7. CONSULTANT(S)</b>	CTI Engineering International Co., Ltd. Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.1998 ~ Jul.1999 17month(s) ~		
<b>9. SITE OR AREA</b>	M/P: Area of 195.71km <sup>2</sup> of Municipality of Phnom Penh (290.06km <sup>2</sup> ) F/S: Kop Srov and Tompun dikes, and Tompun Drainage Basin		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <ol style="list-style-type: none"> <li>1) Riverfront protection in Sap downstream middle section: Stone pitching revetment for 1km</li> <li>2) Reinforcement of Kop Srov and Tompun dikes: Reinforcement of ring dikes in the north and south of the Municipality</li> <li>3) Tompun watershed drainage improvement: Drainage improvement for the area of 17.47km<sup>2</sup> including punning station construction and improvement of drainage channels.</li> <li>4) Trabek basin drainage improvement: drainage improvement for the area of 10.83km<sup>2</sup>. Implementation started using ADB loan.</li> <li>5) City Core North drainage improvement: Drainage improvement for the area of 6.57km<sup>2</sup> including development of drainage channels and sluiceways</li> <li>6) Pochentong East drainage improvement: Drainage improvement for the area of 15.35km<sup>2</sup> including pumping station construction and channel improvement.</li> <li>7) Northeast and northwest areas drainage improvement Drainage improvement for the area of 100.09km<sup>2</sup> including channel improvement and sluiceway construction.</li> <li>8) Environmental enhancement: Including construction of environmental channel.</li> </ol> <p>F/S:</p> <ol style="list-style-type: none"> <li>1) Reinforcement of Kop Srov and Tompun: Reinforcement of ring dikes in the north and south of the Municipality</li> <li>2) Tompun watershed drainage improvement: Drainage improvement for the area of 17.47km<sup>2</sup> including pumping station construction and improvement of drainage.</li> </ol>		

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

**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

(FY 2009 Domestic Survey)  
Project on Drainage Improvement and Flood Control in the Municipality of Phnom Penh Phase II  
(Objective)  
This project aims to reduce the damage from flood in the capital of the Kingdom of Cambodia, Phnom Penh, to improve the living environment of the citizens, and to maintain the stable capital functions by ensuring the safety against flood in the Tonle Sap and rivers around and minimizing water-logging in the municipality.  
(Project Overview)  
We improve and enhance the bank revetment along the Tonle Sap, and improve and maintain overhaul drainage canals and pump stations in the municipality.  
(Project Period) 2005.12-2010.3  
(Financial Assistance) Grant aid (June, 2007)  
\* Currently, we are conducting the Study on Drainage Improvement Project in Trabek Basin as the third phase of the project

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled May.2001

Revised Sep.2010

**ASE KHM/S 201/00**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Study on Water Supply System for Siem Reap Region in Cambodia		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	MIME (Ministry of Industry, Mines and Energy)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	<p>To evaluate potential water resources for the water supply system.          To formulate a M/P for water supply system. To conduct a F/S for priority projects.</p>		
<b>7. CONSULTANT(S)</b>	<p>Nippon Koei Co., Ltd.          Nihon Suido Consultants Co., Ltd.</p>		
<b>8. STUDY PERIOD</b>	<p>Dec.1996 ~ Jul.2000 43month(s)          ~</p>		
<b>9. SITE OR AREA</b>	<p>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).</p>		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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: 800m<sup>3</sup>/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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<b>Description :</b>		
<p>Situation (FY 2001 Overseas Survey)</p> <p>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.Siam 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.</p> <p>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.</p> <p>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.</p> <p>(FY 2001 Domestic Survey) This project will be implemented as a Grant Aid Project.</p> <p>(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 glown 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.</p> <p>(FY 2003 Domestic Survey) B/D is being undertaken</p> <p>(FY 2004 Domestic Survey) At present, B/D is conducted with NJS as a consultant.</p> <p>(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</p> <p>(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</p> <p>(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</p>		

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Oct.2002

Revised Sep.2010

**ASE KHM/S 101/01**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Transport Master Plan on the Phnom Penh Metropolitan Area		
<b>3. SECTOR</b>	Transportation / Urban Transportation		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Public Works and Transport, Municipality of Phnom Penh	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	In order to solve a traffic jam problem and improve urban environment, make an urban traffic plan for Phnom Penh Metropolitan Area. Also, conduct a feasibility study for priority projects and evaluate a possibility of their implementation.		
<b>7. CONSULTANT(S)</b>	Katahira & Engineers International		
<b>8. STUDY PERIOD</b>	Mar.2000 ~ Oct.2001 19month(s) ~		
<b>9. SITE OR AREA</b>	Phnom Penh Metropolitan Area (Municipality of Phnom Penh and adjoining area surrounded by the proposed Outer Ring Road )		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1) Road Development: USD 301.0 million  Urbanized Area/Pavement Improvement: 288.5 km,  Suburban Area / Road Improvement: 231.1 km, and Bridge Construction : 21 units</p> <p>2) Public Transportation: USD 57.4 million  Bus 1,306 units, and Bus Facilities</p> <p>3) Traffic Management: USD 15.3 million  Urbanized Area/Traffic Signal: 117 units, and Geometric Improvement of Intersection</p> <p>4) Traffic Legislation: USD 2.1 million  Institution Development, Human Resource Capacity, System, and Law</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2002 Domestic Survey)

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

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

The Royal Government of Cambodia requested Grand Aid to Japan for this project, but it was rejected because currently middle and long distance bus services are operated by private sectors, and there is no public body to manage these transportations. Therefore, it may be difficult to operate short distance bus services independently. If the government provides bus and facilities to private sector, maybe financially sustainable operation is possible. Under such condition, they judged that it was difficult to grant buses and facilities to the government in a condition of establishing a public bus company and to lend them to private companies, and thus the request was not approved. 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 was rejected and this project alone is too small in scale. However, there is a possibility to implement this project gradually with MPP's own budget and assistance by traffic management expert.

## 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 preceding "Traffic Control System" project, but because MPP has implemented this project using the fund obtained from the profit of selling public land to US Embassy for their proposed new facilities, MPP decided to implement independently. However, the rehabilitation of a central highway and the construction of bridges are necessary, but own fund and Ministry of Public Works and Transport fund are not enough and the implementation takes time. Thus, to cope with increasing traffic demand, grand aid for the above transportation management system may be requested again.

(FY 2003 Domestic Survey)

Has not developed to realize the project.

(FY 2003 Overseas Survey)

After the study, the proposed projects have not been implemented by funds from Japan. However, projects have been implemented by the budget of Phnom Penh City Public Services and Transport Bureau (MPP) in the road sector such as repair works of pavement, mounting over rails on the pavement, and placement of traffic sign. MPP has made a request for funds to Japan for traffic improvement, traffic education, and enhancement of traffic regulations. JICA mission to formulate the Phnom Penh City Urban Traffic Improvement Project will be dispatched in 2004.

(FY 2004 Domestic Survey)

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

(FY 2004 Overseas Survey)

Technical Cooperation named "Traffic Improvement in Phnom Penh City" has been submitted to Japanese government and is under consideration.

(FY 2005 Domestic Survey)

Urban road maintenance and traffic light installment project was implemented by Phnom Penh City. Though urban road maintenance has contributed for an improvement in urban environment and had given positive impacts (increase the number of stores 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 be required to deal with congestions.

(FY 2006 Domestic and Overseas Survey)

A request for the technical cooperation project named the "Traffic Improvement Project in Phnom Penh City" was submitted to the government of Japanese and approved. In July 2006, a preliminary study was conducted, and R/D was signed in July 28, 2006. The implementation is planned in early 2007.

(FY 2007 Domestic and Overseas Survey)

Implemented project: The Project for Traffic Improvement in Phnom Penh City

Implementing period: March 2007 - March 2009

Implementing body: Department of Public Works and Transportation (DPWT), Municipality of Phnom Penh (MPP), Traffic Police of Phnom Penh City, and Land Transport Department of General Department of Transport, Ministry of Public Works and Transport (MPWT)

Funding party: JICA (Technical Cooperation Project)

Objective: (i) Engineering(with DPWT): intersection improvement, road improvement and road infrastructure installment (traffic sign, safety sign) (ii) Education (with MPWT): traffic safety education to drivers and (iii)Enforcement with Phnom Penh (Traffic Police): human resource development of traffic police.

Technical cooperation:

Training: (i) intersection improvement, (ii) driver education and (iii) enforcement of traffic, through on site trainings and classroom trainings

Expert: long-term (5)

Status:

(FY 2007 Domestic and Overseas survey)The project is in the second year and outcome measure will be formulated based on social experiments implemented this year. The Monireth Blv./Road No.271 was completed in December 2007 and other intersection under construction will be completed in February 2008. Cooperation with NGOs for road safety campaigns have also been implemented.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Oct.2002

Revised Sep.2010

**ASE KHM/A 102/01**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on Improvement of Marketing System and Post-harvest Quality Control		
<b>3. SECTOR</b>	Agriculture	/ Agricultural Processing	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Commerce (MOC) , Ministry of Agriculture, Forestry and Fisheries (MAFF)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Main rice production area in 9 districts (Kandal, Prey veng, Kampong Cham, Svay Rieng, Takeo, Kampong Speu, Kampong Chhnang, Battambang, Siem Reap) and Phnom Penh City which is the biggest rice consumer area are the target. Make a master plan for improvements of post-harvest rice processing and distribution system.		
<b>7. CONSULTANT(S)</b>	Overseas Merchandise Inspection Co., Ltd. Sanyu Consultants Inc.		
<b>8. STUDY PERIOD</b>	Mar.2000 ~ Aug.2001 17month(s) ~		
<b>9. SITE OR AREA</b>	9 districts (Kandal, Prey veng, Kampong Cham, Svay Rieng, Takeo, Kampong Speu, Kampong Chhnang, Battambang, Siem Reap) and Phnom Penh City.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>1. Project on Improvement of Post-harvest Processing</li> <li>2. Open Paddy Market Project</li> <li>3. Master Plan Study on Establishment of Agricultural Cooperatives</li> <li>4. Project on Establishment of Rice Quality and Inspection Standard</li> <li>5. Project on Improvement of Rice and Paddy Trade System</li> <li>6. Project on Increase of National Rice Reserve</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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 Overseas Survey)(FY 2005 Domestic Survey)(FY 2006 Domestic and Overseas Survey)(FY 2007 Domestic and Overseas Survey)

Subsequent Study: "Open Paddy Market Project in Cambodia"

Implementing body: Ministry of Agriculture, Forestry and Fisheries (MAFF), Ministry of Commerce (MOC), JICA

Implementing period: January 2004 - September 2006 (S/W concluded on February 24, 2003)

Objective: The objectives of this project is 1)building price by preparing open paddy market, 2) stabilization of supply by distribution of price information, 3)increasing rice supply, and 4)stabilization of local economic condition

Contents: To add another study and confirm the management condition after handing over open paddy market.

Technical Cooperation: Dispatch of experts - 6 personnels

Benefit:

Beneficiaries: Rice farmer and trader in Prey Veng region, estimated 3,000 households (population: 520,838 people), 7 districts in Prey Veng, 65 communes, 595 villages.

Benefit: Functioning as paddy rice market in Prey Veng region through constructing fair trading system and improving quality by making prices. Notions such as "open paddy", "collecting/shipping paddy", and "function/system/management" were introduced through implementing study. Furthermore, object residents and personnels working at department for agriculture and commerce got experiences and lessons. Number of users is reached 5% of whole paddy sellers. The numbers of rice polishers and distributors who use open paddy market also increasing.

Progress:

(FY 2004 Overseas Survey) The following project was implemented with small scale, being involved with the implementation of the mentioned study. 1) enforcement project for market information services, 2) inspection project for measuring instruments. 3) establishing project for quality of rice and measuring standard, and 4) small-scaled restoration of governmental storage in Prey Veng (from Oct.2004 to middle of Dec. 2004)

(FY 2005 Domestic Survey) We pursue cost effectiveness as the indicator for self-continuity which is necessary as achieving objectives and goals. Total income is zero since it is public enterprise. NPO institutional form is encouraged as management system because it is thought to be successful to secure publicity, cost effectiveness and interest of users.

(FY 2006 Domestic and Overseas Survey) MOC established NGO (Svey Antor OPM: Open Paddy Marke). JICA handed management right including invested materials and financial affairs to MOC. While commercial center put materials into the NGO (mentioned above) at the same time and income was stabilized, fund for management is not enough. In addition, restoration of 2 storages and market, establishment of storage for drying was implemented.

(FY 2007 Domestic Survey) The change of commerce have included the contract with the Ministry of Commerce concerning the management of Open Paddy Market, due to closure of contract management made with the NGO, which refused all finance related properties. The Chamber of Commerce in Kampong Cham State contracted with MOE and became managing the open paddy market. However, details of the contract is unknown.

(FY 2006 Overseas Survey)

The result of mentioned study has been utilised in following items.

- 1) Utilised for for estimation of National Annual Food Balance, Yearly Agricultural Statistics Bulletin, and Annual Food Balance by Provinces
- 2) Utilised for formulation of Medium and Long Term Agricultural Sector Strategy Development Plan prepared by MAFF

(FY 2007 Domestic Survey)

Output of the study is also utilised in the examples mentioned below: 1) supporting policies on non tariff measures of field crops in cross-border trade by MOE 2) ease the tendency of depending towards by constructing basis data. The basis data was for the revision of demand-supply data which was the base of aid in statistic of MAFF and food security policy. 3) reference data for cross-border trade project (such as simplifying procedures and investigating objectives) based on cooperation with Thailand and MOE.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Oct.2002

Revised Sep.2010

ASE **KHM/A 201/01**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on the Rehabilitation and Reconstruction of Agricultural Production System in the Slakou Basin		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Water Resources and Meteorology	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Make a master plan for a rural and agricultural development plan and conduct a feasibility study on a catchments irrigation system rehabilitation model, focusing on improving agricultural production and strengthening maintenance management in Slakou River upper basins of 65,000 ha.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Docon Co., Ltd. Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Jan.2001 ~ Mar.2002 14month(s) ~		
<b>9. SITE OR AREA</b>	M/P: Slakou River stone bank (total area of about 650 square meter): Takeo and Kampong Speu provinces F/S: Slakou River upper stream (total area of about 3.5 thousand hectare), Kim Sei, Aug 16 reservoir (52 hectare), Tranpeang Shao village (5.8 hectare)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <p>1. Upper Slakou River Irrigation Reconstruction Plan (USP): The irrigation area covers 3,500ha in total.</p> <p>2. Small Reservoir Rehabilitation Plan (SRP): 15 small reservoirs, irrigation area of 280ha.</p> <p>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; extension service of agriculture and animal husbandry; credit service; agro-processing and marketing; farmer's water user community (FWUC); capacity building of MOWRAM; environmental conservation program.</p> <p>F/S:</p> <p>The content is the same as M/P.</p> <p>1. USP: The irrigation area is 3,500 ha in total.</p> <p>2. SRP: Ang160 and Kim Sei reservoir, Irrigation area is 25 and 27 ha each.</p> <p>3. PDP: At Trapeang Snao village, 30 ponds per village are proposed. The irrigation area is 5.8 ha.</p>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(FY2002 Domestic Survey) There is no information after this project.</p> <p>(FY2003 Domestic Survey) Although it was listed 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, and 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. There is information that the Cambodian side considers this project as a next matter of "repair projects for Kandal Stung region" , which is currently being undertaken as a grant project.</p> <p>(FY 2006 Domestic Survey) The project is delayed due to the declining of priority level.</p> <p>(FY 2007 Overseas Survey) Priority of the project proposed in the mentioned study have decreased due to the difficulty of acquiring funds. Implementation of the project requires more than 5 years to be utilised.</p> <p>(FY 2007 Domestic Survey) The grant aid cooperation for the implementation of the project proposed in the mentioned study was requested.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Oct.2002

Revised Sep.2010

ASE **KHM/S 202/01**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Study on Groundwater Development in Southern Cambodia		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Rural Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Based on a request of the government of Cambodia, conduct a survey to assess the possibility of underground water development targeted at 5 southern provinces and 3 suburban districts in Phnom Penh. Also, select target villages for a water supply project urgently, and make an underground water development plan including wells and a water supply plan.		
<b>7. CONSULTANT(S)</b>	KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Nov.1996 ~ Feb.2002 63month(s) ~		
<b>9. SITE OR AREA</b>	M/P: - F/S: Peri-Urban Area, and the five provinces of Svay Rieng, Takeo, Kandal, Prey Veng, Kampong Speu		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Underground Water Development Plan :</p> <p>1. Appropriate amount of service water per well            1) Peri-Urban Area : 1.5 - 20m<sup>3</sup>/day(bedrock), 2) Svay Rieng province : 500 - 800m<sup>3</sup>/day(the fourth aquifer), 3) Takeo province : 1.5 - 150m<sup>3</sup>/day(bedrock), 4) Kandal province : 4 - 8m<sup>3</sup>/day(bedrock), 500m<sup>3</sup>/day(the fourth aquifer), 5) Prey Veng province : 80 - 800m<sup>3</sup>/day(the fourth aquifer), 6) Kampong Speu province : 1.5m<sup>3</sup>/day(bedrock)</p> <p>2. Designing normal wells            1) depth of well : 60m            2) excavation method : rotary method(the fourth aquifer distribution area and shallow part of bedrock area), DTH(Down-the-Hole) method(hard rock of bedrock area)            3) finishing of the well            (1) casing of the well : vinyl chloride tube in 4 inch of bore diameter and the screen opening rate is 3%, (2) fill up aggregate in 4 - 5mm of diameter around the screen, (3) grout cement from upper part of the screen to ground level</p> <p>Water Supply Plan :</p> <p>1. amount of pumps : Peri-Urban Area : 259, Svay Rieng province : 144, Takeo province : 266, Kandal province : 140, Prey Veng province : 136, Kampong Speu province : 104            2. water supply facilities :            1) deep well : 4 inch in diameter of casing, 16m in length of the screen, and 5% in screen opening rate, 2) hand pumps : column pipe(PVC pipe), pump rod(stainless steel), 3) platform : abolish walls around, 4) drainage channel : armored concrete, 5) iron removal device : same as pilot supply facility</p> <p>F/S :            Plan to supply water for domestic usage to 241 villages (194,964 people) targeted for year 2005</p>		

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

**Description :**  
(FY 2002 Domestic Survey) (FY 2003 Domestic Survey)(FY 2004 Overseas Survey)(FY 2006 Overseas Survey)  
Implemented Project : Water Resource Project in the Outskirt of Phnom Penh City  
Implementing Period :  
Basic designing survey : from September, 2001 to November, 2001  
Detail designing survey : from February, 2002 to March, 2002  
Design and construction : from January, 2003 to February, 2005  
Funding :  
Funding party : Grant Aid(JICA, E/N concluding day : June 13, 2002(phase 1), June 25, 2003(phase 2))  
Funding amount : JPY 784 million(phase 1), JPY 442 million(phase 2)  
Objective : Considering the result of Survey, conduct excavation of well, set hand pumps, and procure equipment relating to the excavation of well, in Peri-Urban Area(3 districts in Phnom Penh city), which is the most prior area. Also introduce soft component in objective of reinforcement in organization of water utilization association.  
Operation and management body after the completion of construction : Ministry of Rural Development, Department of Rural Water Supply  
Progress :  
(FY 2004 Overseas Survey) approximately 80 %  
(FY 2006 Overseas Survey) 100% completed.

(FY 2006 Domestic Survey)  
No information to be specifically mentioned.

(FY 2007 Domestic and Overseas Survey)  
No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (Basic Study)

Compiled Sep.2003

Revised Sep.2010

ASE KHM/S 503/01

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	A Study on the Establishment of GIS Map Data for Cambodia		
<b>3. SECTOR</b>	Social Infrastructure	/ Survey & Mapping	<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works and Transport (MPWP)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	<p>1. For the reconstruction of Cambodia and the preparation of geographical information for a national development plan, make digital maps and print maps for geographical land use maps for northeastern and western regions (area: 101,000 km<sup>2</sup>, scale: 1:100,000), subsurface geological maps and geomorphologic land classification maps (scale: 1:500,000).</p> <p>2. Transfer technique to the Ministry of Public Works and Transport.</p>		
<b>7. CONSULTANT(S)</b>	Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Mar.2001	~ Mar.2002	12month(s)
<b>9. SITE OR AREA</b>	Nation wide		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Suggestions for continuous operation</p> <p>1) Suggestions against Ministry of Public Works and Transport</p> <p>(1) Distribution of data : Research the demand of survey achievement items and provide them. Send all aerial photographs achievement to Cambodia National Mekong Committee, and send printed topographic map achievement to National Geographic Institute.</p> <p>(2) Reinforcement in organization and system of Mapping Center in the Research Center : reinforcement in organization and system of Mapping Center, defining the role and responsibility of the Mapping Center by ministry ordinance, budget allocation to the Mapping Center, and provide approval to accounting management about profit and expenditure</p> <p>(3) Exposition of data : setting working group, opening information including intermediate achievement items to the public, sale of data considering its cost</p> <p>(4) Continue GIS training</p> <p>(5) Maintenance of data : continuous update of infrastructure data, update in five years of land utilization data, continuous update of surface geologic/landform classification data</p> <p>(6) Sustain the website by continuous update</p> <p>2) Suggestions against National Geographic Institute</p> <p>(1) update and maintenance management of map data, (2) sale of maps, (3) request to MRC for leveling data</p> <p>2. Suggestions for future plan of GIS</p> <p>Establishment of "GIS Coordination Center"</p> <p>Objective : play the role of organizing GIS data management system, and adjusting, management, and distribution of data</p> <p>Contents : Conduct training and support against relevant agencies/organizations in order to confirm the utilization of data for sustainable plan designing, development, and project conduction.</p> <p>Plan phase of center structuring : 1) preparation, 2) organization, 3) operation</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2003 Domestic Survey)(FY 2004 Domestic and Overseas Survey)

The interests for the output of the study have been shown by several ministries, NGO and NPO as the result of the workshop conducted during the study. For example, Ministry of land established in 2001 started a cadastre survey project under World Bank finance in 2002, and upon their request JICA contributed the digital aerial photographs and GIS data created in this study. 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.

Subsequent Study : Follow-up Project for Geographic Information Development Survey

Implementing Body : JICA

Implementing Period : from August, 2003 to March, 2004

Contents : Field verification of Phase I data, updating with new aerial photographs(planned to take shot in LMAP project), and training course for users of GIS data.

Other Progress :

April 2001 - March 2003: "Study on Developing GIS Dataset of Cambodia" (Phase 2 is supplementary of Phase 1) which IC/R was made clear to MPWT, held a discussion with MPWT, and prepared an operation manual and final report including workshop III document to verify study results. These documents will be used by participated agencies.

(FY 2005 Domestic Survey)

No information to be specifically mentioned.

(FY 2006 Domestic Survey)

No information to be specifically mentioned.

(FY 2006 Overseas Survey)

The map of Phnom Penh (1:5,000) was already completed in 2005.

(FY 2007 Domestic Survey)

No information to be specifically mentioned.

(FY 2007 Overseas Survey)

No new survey and project are conducted after the follow-up survey conducted from 2003 to 2004.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Sep.2003

Revised Sep.2010

ASE **KHM/S 203/02**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on Groundwater Development in Central Cambodia		
<b>3. SECTOR</b>	Social Welfare	/ Disaster Relief	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Rural Water Supply of the Ministry of Rural Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	(1) Ground water endowment survey targeted the State of Kampong Cham and Kampong Chhnang (2) Implementation of sustainable ground water development targeted the region (3) Technology transfer towards the counterparts in regard to ground water development method and plan method		
<b>7. CONSULTANT(S)</b>	KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Dec.2000 ~ Apr.2002 16month(s) ~		
<b>9. SITE OR AREA</b>	M/P: Kampong Cham and Kampong Chhnang Provinces F/S: Kampong Cham and Kampong Chhnang Provinces		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	F/S: 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. 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)		

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 and Overseas Survey)(FY 2005 Domestic Survey)  
Subsequent Project : B/D on southern/central rural drinking water supply plan  
Implementing Agency: JICA  
Implementing Period : from September, 2004 to March, 2005  
Objective: Improvement of supply ratio of safe water  
Target Area : Kampong Cham district

(FY 2004 Domestic Survey)(FY 2005 Domestic Survey)(FY 2007 Domestic and Overseas Survey)  
Implemented Project : Rural drinking water supply plan in Kampong Cham district  
Funding:  
Implementing Agency : MRD, JICA  
Implementing Term :  
Phase 1 : from June, 2005 to March, 2006  
Phase 2 : from June, 2006 to March, 2008  
Funding Party :  
Phase 1 : Grant Aid(E/N concluded : June 10, 2005)  
Phase 2 : Grant Aid(E/N concluded : June 12, 2008)  
Funding Amount :  
Phase 1 : 434 million JPY  
Phase 2 : 431 million JPY(1USD=112.172JPY)  
Contents : Construction of 380 water supply wells in 115 villages, supply of examination equipments for survey, and technical support about the operation and maintenance management of water supply facilities.  
Phase 1 : Develop 173 water supply wells out of 380 wells.  
Phase 2 : Develop 207 water supply wells out of 380 wells.  
Progress :  
(FY 2006 Overseas Survey) successful bidder of Phase 1 : Kokusai Kogyo Co.,LTD. Phase 1 construction would be started from February 20, 2006.  
(FY 2007 Overseas Survey) Phase 1 construction would be completed at March, 2008, and the completion ceremony would be conducted.

(FY 2007 Overseas Survey)  
Projects of Phase 1 and Phase 2 has been conducted out of the projects suggested in the Survey. Projects of Phase 3 is planned in the Survey, and there is a high degree of probability for its conduction after the conduction of Phase 1 and Phase 2.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Sep.2003

Revised Sep.2010

ASE **KHM/S 304/02**

<b>1. COUNTRY</b>	Cambodia								
<b>2. NAME OF STUDY</b>	The Feasibility Study on the Improvement of National Road No.1 (Phnom Penh - Neak Loueng Section) in the Kingdom of Cambodia								
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b>   F/S						
<b>5.</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b></td> <td colspan="2"></td> </tr> <tr> <td><b>PRESENT COUNTERPART AGENCY</b></td> <td colspan="2"></td> </tr> </table>			<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			<b>PRESENT COUNTERPART AGENCY</b>		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>									
<b>PRESENT COUNTERPART AGENCY</b>									
<b>6. OBJECTIVES OF THE STUDY</b>	To conduct Feasibility Study on road rehabilitation project aiming to grade road structures in order to endure natural disaster such as flooding, and swolleness, assuming that Japan Grant Aid Cooperation would apply for the project.								
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Katahira & Engineers Inc.								
<b>8. STUDY PERIOD</b>	Apr.2002 ~ Mar.2003 11month(s) ~								
<b>9. SITE OR AREA</b>	The National Road No.1 (Phnom Penh - Neak Loueng Section) The National Road No.1 connects Phnom Penh, a capital with Bavet (Vietnam border), its length is 166km, and consists of following two sections: 1)Phnom Penh - Neak Loueng , 2)Neak Loueng - Bevet								
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>								

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>  (FY 2003 Domestic Survey)  No information to be specifically mentioned.</p> <p>(FY 2004 Domestic Survey)  No information to be specifically mentioned.</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)  Actualization 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> <p>(FY 2006 Domestic Survey)  No information to be specifically mentioned.</p> <p>(FY 2006 Overseas Survey)  Subsequent study: environmental and social consideration support survey  Implementing body: Inter-ministerial Resettlement Committee: IRC  Objective: To discuss business implementation in relation to environmental and social consideration which includes inhabitant moving issues.</p> <p>Implemented Project: Improvement of National Route No.1 (Phnom Penh to Neak Lueng interval)  Implementing body: Ministry of Public Works and Transport (MPWT), Inter-ministerial Resettlement Committee: IRC  Implementing Period :  Phase 2 : from November, 2006 to March, 2009  Funding:  Funding party:  Phase 1: Yen grant (E/N June 10, 2005) JPY 786 million  Phase 2: Yen grant (E/N June 12, 2006) JPY 4,746 million  Progress:  (FY 2006 Overseas Survey) Under the supervision of Katahira Engineering International, two bridges were constructed by Obayashi Corporation.  (FY 2007 Overseas Survey) Road construction of 13km in section from origin point have been conducted. 58% of the construction has been completed. Review in the plan of Phase 3 became necessary due to the new construction of second Monivong bridge.</p> <p>(FY 2007 Domestic Survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.2005

Revised Sep.2010

**ASE KHM/S 201/03**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on Regional Development for the Phnom Penh - Sihanoukville Growth Corridor		
<b>3. SECTOR</b>	Development Plan	/ Integrated Regional Development Plan	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Commerce	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	The objective of the study is to formulate the "Mater Plan on Regional Development of the Phnom Penh-Sihanoukville Growth Corridor" and to expand investment, promote regional development, facilitate local industry, and secure employment opportunities for the young by implementing the key factor known as F/S on Sihanoukville Export Processing Zone (EPZ).		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. International Development Center of Japan KRI International Corporation		
<b>8. STUDY PERIOD</b>	Feb.2002 ~ Jun.2003 16month(s) ~		
<b>9. SITE OR AREA</b>	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)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P: Sihanoukville Urban Transport Project, Tourism Master Plan for Greater Capital Area, Phnom Penh Urban Transport Project, Master Plan Study on Water Resources Development and management, etc. Priority Project for the Regional Development of Growth Corridor</p> <p>1. Economic Development 1) Primary Industry: Outer City Agriculture Promotion Program; Vegetable and Fruit Processing Project 2) Secondary Industry: Upgrading of Small and Micro Industries; Garment and Footwear Industry Revitalization Project 3) Tertiary Industry: Tourism Master Plan for the Greater Capital Area 4) Export Promotion: Establishment of Special Promotion Zone in Sihanoukville 5) Legal and Institutional: Computerization of Customs Clearance Procedures; Dispatch Experts from Japan for facilitating the Legal and Institutional Framework of the SPZ</p> <p>2. Social Development 1) Urban Planning: Urban Master Plan for Sihanoukville; Enhancement of Planning and Enforcement Mechanism of Urban Planning 2) Human Resources Development: Assistance for Rural Entrepreneurship Development of U; Strengthening Sihanoukville Municipal Vocational Training Center 3) Rural Development: Income Generation Activities for Farmers in Kandal Provincecenter 4) Environment: Capacity Enhancement for Effective Enforcement of Environmental Legislation; Construction of Controlled Landfill Site</p> <p>3. Infrastructure Development 1) Transportation: Container Distribution Center Project; Phnom Penh Urban Transport Project; Route 48 Upgrading Project 2) Water Resources: Master Plan Study on National Water Resources Development and Management; Improvement of Urban Water Supply in Sihanoukville 3) Electricity: F/S on Transmission Line between Kampot and Sihanoukville 4) Telecommunications: Nourishment of Qualified IT Related Human Resources; Development of Optical Fiber cable Network between Phnom Penh and Sihanoukville 5) Free Zone Development in Sihanoukville: Development of Wastewater Treatment Plant for the Sihanoukville Port Free Zone; Development of Solid Waste Landfill for the Sihanoukville Port Free Zone</p> <p>F/S: Sihanoukville FZ: Potential development site: Site1(urgent potential site), Site4 and 6(suitable site) Development plan: (not yet completed in 2005, planned to operate factories in 2007) Land utilization: Total development site: 43ha(29ha for industrial area) Infrastructure: Water supply facility, electricity supply facility, sewage facilities, solid waste disposal facility, telecommunication facility</p>		

<b>PRESENT STATUS</b>	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, 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)

A request of Yen Loans aimed at promoting software arrangements associated with establishment of SEZ (Special Economic Zone) in Sihanoukville such as institutions, organization arrangements, and market cultivation was conducted. The LA contract is most probably expected to be concluded. The loan in question involves only consulting services of basic design and detailed design.

(FY 2006 Domestic and Overseas Survey)(FY 2007 Domestic and Overseas Survey)

Subsequent study: Sihanoukville Port SEZ Institutional Development

Implementing body: Council for the Development of Cambodia (CDC)

Implementing period: April 2007 - February 2009

Funding:

Funding party: Yen Grant (L/A concluded on March 20, 2006)

Funding amount: 318 million JPY

Objective: To construct a 70 hectare special economic zone which is next to Sihanoukville port

Content: E/S preceding land grading, road and power infrastructures and SEZ framework maintenance

Progress:

(FY 2007 Domestic Survey) Implementing design has been in progress under the E/S Loan.

(FY 2008 Domestic Survey)

Implemented project: Sihanoukville Port SEZ Institutional Development Plan

Funding:

Funding party: yen loan (L/A concluded on March 27, 2008)

Funding amount: 3,651million JPY

Objective: To increase direct investment to Sihanoukville Port SEZ, create employment opportunities, and contribute to economic growth of Cambodia

Progress: The procedure for selection of a contractor and supervision consultant is in progress.

For "Urban Planning: Urban Master Plan for Sihanoukville; Enhancement of Planning and Enforcement Mechanism of Urban Planning," an assistance was requested to JICA. Provided the request, JICA dispatched the preliminary study team in March and December 2008, and signed the Scope of Work in December, 2008. Selection of consultant was already completed, and the study has been implemented since March, 2009( by the consultants of joint venture of NIPPON KOEI, KOEI Research Institute, and Value Planning International, Inc.).



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jan.2006

Revised Sep.2010

ASE **KHM/S 201/04**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Study on Solid Waste Management of Phnom Penh Municipality in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Administration	/ Environmental Problems	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Public Works and Transportation (DPWT)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of waste processing master plan targeting 2015, Implementation of F/S regarding prioritized projects, Technical transfer into the C/P		
<b>7. CONSULTANT(S)</b>	KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Feb.2003 ~ Mar.2005 25month(s) ~		
<b>9. SITE OR AREA</b>	Municipality of Phnom Penh		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <ol style="list-style-type: none"> <li>1. Collection services to uncollected and insufficiently collected areas</li> <li>2. Establishment of adequate final disposal system</li> <li>3. Land acquisition for final disposal site</li> </ol> <p>F/S:</p> <ol style="list-style-type: none"> <li>1. Construction of new disposal site</li> <li>2. Expansion of waste collection service</li> <li>3. Closure of existing disposal site</li> </ol>		

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

**Description :**  
(FY 2005 Domestic Survey) (FY 2007 Overseas Survey)  
Subsequent study: B/D on Waste Management Plan of Phnom Penh city in Cambodia  
Funding  
Funding party: JICA(Grant aid)  
Contents: Construction of new waste disposal site, procurement of waste collection and operational equipments.  
Progress:  
(FY 2007 Domestic Survey) The basic designing survey has not been conducted because the Phnom Penh city has not cleared the prior conditions. 1) raise the price of tipping-fee(commission fee about waste disposal project from municipality) in the new waste disposal site 2) transfer the service to Phnom Penh city in the area which private company, CINTRI cooperation can not conduct its waste collecting service  
(FY 2006 Domestic Survey)(FY 2007 Overseas Survey)  
Implemented project: Urban environmental improvement in Phnom Penh, Cambodia.  
Implementing period: Sep. 2006 - Oct. 2009  
Implementing body: JICA  
Objective:  
Strengthening management capacity of department which is involved in waste management in order to give high priority to a waste management plan in Phnom Penh and implement M/P.  
Project objective: The Phnom Penh waste management public corporation can operate and manage garbage collection and final disposal properly.  
Relation with the study: Developing capacity of the counterpart and supporting it for the implementation of M/P.  
Progress:  
(FY 2007 Overseas Survey) The prior conditions of Phnom Penh Waste Management Plan Basic Design Survey are not fixed up, and therefore it have to be cancelled at March, 2008.

(FY 2007 Domestic and Overseas Survey)  
No information to be specifically mentioned.

(FY 2009 Domestic Survey)  
Dangkor New Landfill Site Project  
(Objective)  
This project aims to build a new waste disposal site in Dangkir as an alternative site of filled SMC disposal site in order to establish a final disposal system.  
(Project Overview)  
Out of a 31.4ha plot of waste disposal site owned by the Municipality of Phnom Pehn, the project aims to build management facilities, landfill area (approx. 1.24 million m3: for 3 years), and a leachate treatment site in a 11.8 ha plot, and to function as a sanitary landfill site. The project funds were fully covered by profit on sales of soil excavated from the landfill site.  
(Construction Period)March, 2008-June, 2009  
(Launch of Service)July, 2009  
(Others)  
This disposal site is the first sanitary landfill disposal site in Cambodia. However, due to lack of experience in management and maintenance, there is no proper landfill management being practiced. Although about one-third of the site developed is filled up in the landfill, it is obvious that the disposal site would become an open dump if the poor management continues on the site. Therefore, the assistance to engage in transferring landfill technology is demanded. In addition, even though the development area is expected to have three-year's worth in capacity which will be available until 2011, it is necessary to assist the construction scheme of the second phase as it is about time to develop other disposal space on the rest of the land that the municipality owns.

Progress has not been made in areas below;  
-Closure project of existing SMC disposal site  
-Garbage collection service expansion plan

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Feb.2007

Revised Sep.2010

ASE **KHM/S 102/05**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The study on integrated master plan for sustainable development of Siem Reap/Angkor Town in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Development Plan	/ Integrated Regional Development Plan	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	Siem Reap Provincial Government and APSARA		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	1) Formulating a comprehensive master plan for sustainable development from long-term perspective balancing with tourism industry, urban environment and capacity of related organizations. 2) Proposing regional rehabilitation strategy regarding development and diversification of regional economy linking with tourism rehabilitation as a part of the master plan. 3) Implementation of technical transfer		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan Nippon Koei Co., Ltd. KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Oct.2004 ~ Mar.2006 17month(s) ~		
<b>9. SITE OR AREA</b>	Siem Reap province with particular emphasis on urban districts. (note: Backland of Siem Reap province is included only for study on regional economic development)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>For Siem Reap and Angkor by the 2020 target year, 6 strategies are established as follows: 1) tourism rehabilitation targeting at middle-high class tourists, 2) maximization of local benefits, 3) attractive town design for tourists, 4) town design with environmental sustainability. 5) infrastructure development for local habitants and tourists, 6) reinforcement of regional finance and administration. Based on those 6 strategies, total of 69 projects and programs in 6 sectors are proposed. The selected 13 prioritized projects are as follows.</p> <p>1) Development of city center; 2) Capacity building for urban planning; 3) Environmental awareness enhancement; 4) Development of tourism facilities and tourism network for Khmer heritage; 5) Public-private cooperation for tourism quality improvement;</p> <p>6) Human resource cultivation for Angkor products rehabilitation center; 7) French bridge enhancement; 8) Development of sub-arterial road network which is parallel to the rout No6 (phase 1); 9) Rehabilitation of regional heritage network; 10) Replacement of aging water pipe; 11) Establishment of comprehensive water resource management plan for Siem Reap river and Roluos River Basin; (12) Urban development project; (13) Urgent establishment of diesel power generator</p> <p>Also, proposals about project implementing institution were done to provincial government agencies and national governmental agencies.</p> <p>Proposed project budget(USD/thousands)          Total: 310,633USD          Prioritized project: 94,628USD          Other projects: 216,205USD</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2006 Overseas Survey)

Request was made for a technical cooperation project for urban planning capacity building in request survey in FY 2007.

(FY 2007 Domestic and Overseas Study)

No information to be specifically mentioned.

(FY 2008 Domestic Survey)

Government of Siem Reap has been making various efforts to disseminate local products e.g. by establishing the promotion center for Angkor products. To follow up the development of Angkor area, JICA has been dispatching senior volunteers. NGOs also actively provide supports for development in this area. For example, International Development Center of Japan (IDCJ) collaborates with a local NGO to conduct afforestation program continuously. Private investment is also remarkable and various suggestions are being made.

At present, the following programs are being implemented based on the basic policy of the ministry for development, which has been approved by the Cambodian development adjustment committee.

1) Development of city center; 2) Capacity building for urban planning; 3) Environmental awareness enhancement; 4) Development of tourism facilities and network for Khmer heritage; 5) Public-private cooperation for tourism quality improvement; 6) Human resource development for Angkor products promotion center; 7) French bridge enhancement; 8) Development of sub-arterial road network which is parallel to the route No6 (phase 1); 9) Rehabilitation of regional heritage network; 10) Replacement of aging water pipe; 11) Establishment of comprehensive water resource management plan for Siem Reap river and Roluos River Basin; 12) Urban development project; and 13) Urgent establishment of diesel power generator

Subsequent study: Siem Reap/Angkor regional comprehensive plan

Assisting country/agency: ADB and France

Objective: To make the tourism projects and a local economy develop in a sustainable manner, by taking balance among the issues of tourism industry, urban environment and capacity of related organizations.

A senior volunteer was dispatched as assistance from Japan.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Feb.2007

Revised Sep.2010

**ASE KHM/S 201/05**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The study on the master plan of Greater Phnom Penh water supply (phase 2) in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Phnom Penh Water Supply Authority, PPWSA	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Contributing stable and efficient development of water supply project plan in greater Phnom Penh capital sphere including Phnom Penh, Takhmao and some area of Kandal province which is neighboring region of Phnom Penh through formulating 2020 target year master plan.		
<b>7. CONSULTANT(S)</b>	NJS CONSULTANTS CO.,LTD		
<b>8. STUDY PERIOD</b>	Nov.2004 ~ Mar.2006 16month(s) ~		
<b>9. SITE OR AREA</b>	Greater Phnom Penh		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P</p> <p>1) Development plan for withdrawal facilities and water purification facilities: Increasing water purification capacity from current 235 thousands m3/day to 400thousands m3/day by countermeasures as follows:  Stage 1: Chrouy Changva  Stage 2: Filter plants expansion project  Stage 3: New filter plant construction (No1)  Stage 4: New filter plant construction (No2)</p> <p>2) Development plan for Water supply facilities and drainage facilities  (1) Ensuring flexibility of pipeline network by zoning water supply districts.  (2) Intending stabilization of water supply pressure by creating loop pipe work.  (3) Intending comprehensive improvement of maintenance which enables to monitor pressure and volume of water supply in each bloc through formulating water supply bloc  Developing and expanding water supply facilities and drainage facilities coming with expansion of water purification facilities in each stage.</p> <p>F/S</p> <p>Above mentioned the stage 1 project was selected as the F/S target.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b>  (FY 2006 Overseas Survey) (FY 2007 Domestic Survey)  Implemented Project : Expansion of Chrouy Changva Water Treatment Plant Project  Implementing Body : Phnom Penh Water Supply Authority(PPWSA)  Implementing Period : from January, 2006 to December, 2008  Funding :  Funding Party : French Development Agency(AFD)  Operational Body After the Completion of Designing and Construction : PPWSA  Contents : 1. new water treatment plant with the production capacity of 65,000m3/day 2. new intake station 3. raw water transmission facilities  Relationship with the Survey Report : concretization of Stage1(Chrouy Changva) and Stage2(Water Purification Plant Expanding Project) suggested by the Survey  Progress :  (FY 2007 Domestic Survey) It is scheduled to complete in 2008.</p> <p>(FY 2006 Domestic Survey) (FY 2007 Overseas Survey)  Subsequent Study : Feasibility Survey of Nirouth Water Purification Plant  Implementing Period : November, 2007  Funding :  Funding Agency : French Development Agency(AFD)(grant aid and low-interest loan for construction)  Objective : Conduct feasibility survey about constructing Nirouth water purification plant.  Relationship with the Survey Report : concretization of Stage3(construction of new water purification plant No.1) suggested by the Survey</p> <p>(FY 2008 Domestic Survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Feb.2007

Revised Sep.2010

ASE **KHM/S 501/05**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The study on the construction of the Second Mekong Bridge in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Transportation	/ (Transportation in) General	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Public Works and Transport, MPWT		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	1) Formulating a regional development plan for Neak Lueng and its surrounding area utilizing potential as a stopping point. 2) Reviewing feasibility of the 2nd Mekong bridge construction in crossing point of Neak Lueng. 3) Capacity building for Cambodian affiliates such as C/P etc.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Chodai Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.2004 ~ Nov.2005 20month(s) ~		
<b>9. SITE OR AREA</b>	The Second Mekong Bridge		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Proposed project: Construction Plan of the Second Mekong Bridge</p> <p>1. Construction of a bridge with 5,420m entire length Main Bridge which is comprised of 600m, and approach bridge which is comprised of 960m of west side and 660m of east side.</p> <p>2. 3,200m approach bridge road Approach bridge road which is comprised of 2,400m of west side and 800m of east side.</p> <p>Proposal:</p> <p>1) Traffic demand and bridge opening period: Implementing traffic monitoring regarding estimated traffic demands and bridge provision before 2012. Reviewing construction starting period based on the result of the monitoring.</p> <p>2) Implementation of proper maintenance and refurbishment of Neak Lueng ferry: Procuring new ferries. Reinforcing ferry service. Strategy toward future increased demands.</p> <p>3) Environmental impact assessment and relocation action plan: Assessing natural/social environment impact and proposing methods to handle those impacts.</p> <p>4) Development of non-flooded districts: Utilizing and creating non-flooded districts based on national plans, regional plans, and their development strategies. Developing non-flooded districts with private investment.</p> <p>5) Criteria and conditions of detailed design of the project: Application of AASHTO as a design criterion. Typical cross-section which has bike lane outside of two-track roads. Design speed 80km/h. The projected bridge adopts PC oblique bridge with 320m of principal span, 180m of horizontal direction and 37.5m of perpendicular direction.</p> <p>6) Project budget and implementation plan: Total project cost is USD 74 mil. Construction period is 45 months including preparation period. The government develops legal and organizational environment regarding private sector participation to executive/maintenance operation.</p> <p>7) Public consultation: Building consensus about study contents and conducting stakeholder meeting that fit the environmental society consideration guideline of JICA.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(FY 2006 Domestic Survey)            No information to be specifically mentioned.</p> <p>(FY 2006 Overseas Survey)            During a requested study in FY 2006, the Cambodian government made a request for the fund of USD 74.02 million for the Second Mekong Bridge construction.</p> <p>(FY 2007 Domestic and Overseas Survey)            Subsequent Study : Follow-up Survey of the Second Mekong Bridge Construction Plan in the Kingdom of Cambodia            Implementing body : JICA, Ministry of Public Works and Transport            Implementing Period : from November, 2006 to November, 2007            Objective :</p> <ol style="list-style-type: none"> <li>1) Conduct re-evaluation of the bridge construction plan in wide and comprehensive viewpoints, through traffic monitoring and taking in the condition of uncertainty predicted by the Survey, such as the movement of Cross Boarder Transport Agreement(CBTA) and road development plans in neighboring regions.</li> <li>2) Conduct capacity development against counterpart and relevant staffs of Cambodia, through the support to make up EIA report and review about Resettlement Action Plan.</li> <li>3) Considering about above mentioned terms, establish the Action Plan about necessary response in the future.</li> </ol> <p>Reason of implementation: Government of Cambodia requested grant aid about Second Mekong Bridge Construction against government of Japan at 2006. On the other hand, there was proposal that "taking into account of accuracy of transportation demand prediction, implement several years of traffic monitoring and consider again about appropriate timing of construction commencement in view of result of monitoring" in development study. The request which was submitted less than one year after the completion of development study, there were not enough consideration about monitoring of necessary issue for Environment Society Care Examining Meeting and in-service timing, and there were not enough information to verify urgency of the project.</p> <p>Contents : monitoring and analysis of traffic volume, evaluation of environment impact that would cause by bridge construction, collecting information about response of resident transfer, supporting to make up EIA, and making up Action Plan looking toward the conduction</p> <p>Progress :</p> <p>(FY 2007 Overseas Survey) Exchange of notes between the government of Japan and the government of Cambodia are not signed up yet, but the government of Japan is generally approving about the financial assistance. Basic consensus building survey about the resident of targeted area was conducted. Also, final report of EIA has been made up, and has been approved by the Ministry of Environment at January, 2008.</p> <p>Result: River crossing traffic volume in Neak Lueng is increasing over the pace predicted at the time of development study. It is in condition that there are demand to place in service in early timing than bridge opening year(2012) proposed in development study.</p> <p>(FY 2008 Domestic Survey)            Subsequent study: Preparatory study on the construction of the second Mekong bridge in Cambodia            Assisting agency: JICA            Implementing period: February, 2009-January, 2010            Objective: To examine in detail the needs and feasibility of the project requested; to draw appropriate basic design; to formulate the implementation plan; and to approximate costs for the project implementation.            Contents: monitoring and analysis of traffic volume, Environment Impact Assessment regarding bridge construction, information collection on reaction to resident transfer, support to implement EIA, and the preparation of Action Plan for implementation            Project components: Construction of the Mekong river crossing bridge in Neak Lueng (Bridge length: 2,360m (main bridge:600m, 3 approach bridges:1,760m) and the access road:3,060m with the width of 12m are assumed according to the result of the study).</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.2007

Revised Sep.2010

**ASE KHM/S 101/06**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on the Road Network Development in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Transportation / Road	<b>4. TYPE OF STUDY</b>	M/P
<b>5.</b>	Ministry of Public Works and Transport		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	(1) Establish national roadway network maintenance master plan(M/P) (2) Conduct pre-feasibility study(Pre-F/S) of prior project (3) Make technology transfer against Cambodia side through the Survey		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Katahira & Engineers International		
<b>8. STUDY PERIOD</b>	Mar.2005 ~ Oct.2006 19month(s) ~		
<b>9. SITE OR AREA</b>	Throughout the country of Cambodia. One digit national route, double figure national route, and provincial road, under the jurisdiction of Public Works and Transport Ministry, and local road under the jurisdiction of Ministry of Farm Village Development		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Roadway network maintenance plan :</p> <p>1. Roadway network plan</p> <p>Strategy 1) multipolar growing : (1) reinforcement of one digit national route (2) reinforcement of metropolitan neighboring road (3) reinforcement of neighboring road around Phnom Penh Strategy 2) fusion of the country : (1) improvement of the connection to provincial capital (2) reinforcement of main national route(connection between one digit national routes and alternative route to provincial capital) Strategy 3) reinforcement of international transportation : (1) reinforcement of international transportation(Asian Highway and GMS road) (2) reinforcement of border-connecting road (3) reinforcement of fusing with railway and water transportation Strategy 4) reinforcement of developing local economy : (1) support to tourism development area (2) support to industry development area (3) support to agriculture development area Strategy 5) regional development for the reduction of poverty : (1) northeast area (2)national-wide area</p> <p>2. Road facilitation plan</p> <p>One digit national route : (1) construction of new road:loop road in Phnom Penh, bypass of main cities such as Siem Reap, crossing bridge of Melong river(Second Mekong Bridge,etc) (2) increase to four lane in the 50-100km area of Phnom Penh (3) upgrade from existing paved road to asphalt paved road in each route</p> <p>Double figure national route : (1) upgrade the main existing double figure national route which have a lot of traffic by widening the road and asphalt paving (2) paving(DBST) in the existing road of other double figure national route</p> <p>Provincial road and local road : (1) upgrade the route, which fulfills the important function and role of regional development, in maintenance level of double figure national route(21 route) (2) maintain the function of local road by appropriate operation and maintenance in other provincial road (3) maintain the function of local road by appropriate operation and maintenance in local road under the jurisdiction of MRD basically</p> <p>3. Road maintenance conduction plan : short-range plan(2006-2010)(Only short-range plan is mentioned. Refer to report about middle-range plan and long-range plan.)</p> <p>One digit national route : (1) The plan has been conducted by the support of international financial institution and donor countries. The committed improvement plan is completed during the short-range plan.(including urgent bridge repair program Phase1 and Phase2)</p> <p>Double figure national route : Improve all double figure national route, which is being the access way to provincial capital, to all-weather road which enable to pass through in rainy season, until the end of middle-range plan.</p> <p>Provincial road and local road : Enable to transport in rainy season in 40% of provincial road and local road, by securing the budget of road operation and maintenance, and by reinforcing the structure of operation and maintenance.</p> <p>Targeted one digit national route : NR.1(1-1,1-2), NR.2(2-2), NR.3(3-2), NR.5(5-5), NR.6(6-4), NR.7(7-3,7-4)</p> <p>Targeted double figure national route : NR.33-2, NR.48, NR.57, NR.62-1, NR.64-1, NR.64-2, NR.65, NR.71, NR.72, NR.78</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2007 Domestic and Overseas Survey)

First step : complete Second Bridge and Third Bridge

Second step : roads are in construction(STA.13+100 ~ STA.55+980), progress condition is 56% in rate

Third step : the Simple Survey, Detailed Measurement Survey(DMS), negotiation with Project Affected Persons(PAPs) is completed, and exchange of notes would be made at April-May, 2008

Implemented Project : Repair plan of Trapaing Ropaou - Kampot

Implementing Period : from June, 2004 to May, 2007

Implementing Body : Ministry of Public Works and Transportation(MPWT), Interministerial Relocation Committee(IRC)

Funding Party : Korea(17.1million US Dollar), Progress : (FY 2007 Overseas Survey) completed

Implemented Project : Repair plan of Route5(between Sisophon and Poipet)

Implementing Period : from 2006 to 2009

Implementing Body : Ministry of Public Works and Transportation(MPWT)

Contents : repair work of road in 48km(asphalt paving), Funding : ADB(12.7million US Dollar)

Implemented Project : Construction plan of Route8(between Prek Ta Mak and Anlong Chrey)

Implementing Period : from 2007 to 2011

Implementing Body : Ministry of Public Works and Transportation(MPWT)

Contents : Repair work of road in 109km(asphalt paving)

Funding : China(71.5million US Dollar), Progress : (FY 2007 Domestic Survey) The plan is in progress

Implemented Project : Repair plan of Route78(between Bunlung and border of Vietnam)

Implementing Period : from 2007 to 2011

Implementing Body : Ministry of Public Works and Transportation(MPWT)

Funding : Vietnam(25million US Dollar), Progress : (FY 2007 Overseas Survey) the progress is 10% in rate

Implemented Project : Repair plan of Route76(between Snuol and Sen Monorom)

Implementing Period : from 2007 to 2010

Implementing Body : Ministry of Public Works and Transportation(MPWT)

Funding : China(51.9million US Dollar)

Contents : Repair work of road in 127km, Progress : (FY 2007 Overseas Survey) the plan is in progress

Implemented Project : Repair plan of road between Phnom Penh and Kampot

Implementing Period : from 2007 to 2010

Implementing Agency : Ministry of Public Works and Transportation(MPWT)

Funding : repair work of road in 137km by the loan from Korea(renewed financing agreement 36.9million US Dollar)

Progress : (FY 2007 Overseas Survey) the project has been started

Implemented Project : Repair plan of Route7(between Kratie and Laos)

Implementing Period : from 2004 to 2009

Implementing Body : Ministry of Public Works and Transportation(MPWT)

Contents : construction of road to 186.648km and of bridge(DBST paving)

Funding : China(57.8million US Dollar), Progress : (FY 2007 Domestic Survey) the progress is 99% in rate

Implemented Project : Repair plan of Route48(between Srae Ambel and Koh Kong, 151.3km) and of bridges along national route

Implementing Period : from 2004 to 2007

Implementing Body : Ministry of Public Works and Transportation(MPWT)

Contents : 1) repairing road:DBST paving by the loan(21.69million US Dollar) from Thailand, construction of four concrete bridge by subsidy(7.2million US Dollar) from Thailand

Progress : (FY 2007 Overseas Survey) 1. repairing the road is completed 2. 76.69% of construction of the bridges is completed before the end of August

(FY 2009 Domestic Survey)

Implementation Project: Repairing of national highway 57 (with Bataan, the principle city of Mekong's second East-west passageway as the starting point, build a strategical route that connects the state capital Pailin with the Thai border).

Present Condition: Under construction

Funding Source: Loans from the Chinese Government

Implementation Study: Technical Cooperation Project 'The Strengthening of Construction Quality Control'

Goal of the Project: Improvement of quality control ability of MPWT in road construction and maintenance control with the nation's own funds.

Summary of the Project:

1) Preparation of construction specifications, contract specifications, manual and standard plan, 2)Building data base, 3)Creating educational and training programs,

4)Implementation of OJT in road construction.

Implementation Agency: Ministry of Public Works Transportation (MPWT)

Implementation Period: 2009.5-2012.10

Funding Sources: Technical Cooperation Project, Grant aid Program

Others:

1)Cambodia's major road network is under repair maintenance mainly with the support of international aid agencies including Japan, and is shifting its weight to maintenance control operation from rehabilitation maintenance operation, 2)In government projects, more importance is put on maintenance control and its national funding budget is increasing annually, 3)In order to increase the effectiveness and the efficiency of the limited funds, increasing the construction management and quality control ability of MPWT, who is in charge of road management, is essential.

(FY 2009 Overseas Survey) No information.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.2007

Revised Sep.2010

**ASE KHM/M 102/06**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on Economic Policy Support in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Commerce & Trade	/ Trade	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	Council for the Development of Cambodia / Cambodia Investment Board		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	The main objective is to set up the surroundings to promote direct investment against Cambodia from Japan.		
<b>7. CONSULTANT(S)</b>	Nomura Research Institute KRI International Corporation		
<b>8. STUDY PERIOD</b>	Nov.2005	~ Mar.2007	16month(s)
<b>9. SITE OR AREA</b>	Throughout the country of Cambodia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Action plan(priority)</p> <p>1. CDC/CIB :</p> <p>1) Action Plan of Organization Improvement in CDC/CIB</p> <p>(1) interdivisional cooperation and establishment of information sharing : Build up interdivisional cooperation structure of CDC/CIB and promote information sharing in CDC/CIB.</p> <p>2) Action Plan to Promote Investment</p> <p>(1) make up Investment Promotion List : Through making up Investment Promotion List, improve information accumulation capacity of domestic business information in Cambodia.</p> <p>(2) strengthen the coordination with producers' cooperative association and chamber of commerce : Through the coordination with producers' cooperative association and chamber of commerce, improve the capacity of collecting business information .</p> <p>(3) holding investment seminars utilizing business information effectively : By providing business information in the investment seminar, increase the interest of investors to invest against Cambodia.</p> <p>2. Industry</p> <p>(1) reinforcement and expansion of testing and research agency relating to agriculture and fishery</p> <p>(1.1) reinforcement and expansion of testing and research agency relating to food product : Build up food safety structure that would pass on an international basis.</p> <p>(1.2) reinforcement and expansion of testing and research agency relating to rubber : Build up rubber production structure that is ensured by international basis, and promote the export of rubber.</p> <p>(2) building up low-temperature storage facilities, cold storage warehouses, refrigerated carriage system, etc. : Building up cold chain in Cambodia.</p> <p>(3) organization of farmers and fisher folks for stable provision of raw materials : Organization of farmers and fisher folks through the reinforcement of farmers' and fisher folks' cooperative association.</p> <p>(4) promotion of investment enticement activities to food processing industry : Attract investment against overseas food processing institution to Cambodia and set up investing surroundings that is favorable for overseas investors.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2007 Domestic Survey)

In about investment enticement project by CDC/CIB, measures to increase direct investment from overseas through setting up system and organization are conducted as needed. Cambodian Seminar was held at Singapore in December 5, 2007, by the host of ASEAN Center. Promptly after the Seminar, there were many inquiries about expanding business to Cambodia and also there were companies that desired to visit SEZ.

(FY 2007 Overseas Survey)

In the Survey requested by JICA-ASEAN Regional Cooperation Meeting(JARCOM) at 2007, development survey about "The development of CIB to effective Investment Providing Agency" was suggested as a new project of 2008.

Subsequent Study : Follow-up Survey of Economic Measure Support/Promotion of Direct Investment from Overseas

Implementing Period : from November 11, 2007 to December 6, 2007

Implementing Body : CDC

Objective : Conduct follow-up and ex-post evaluation after the Survey about the condition of activities and development of Cambodia.

Technical cooperation :

Dispatch of experts :

Long-term experts : promotion of direct investment enticement by overseas(from November, 2007 to November, 2009)

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Dec.2007

Revised Sep.2010

ASE **KHM/A 201/06**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Feasibility Study on Establishment of Open Paddy Market in Cambodia		
<b>3. SECTOR</b>	Agriculture	/ (Agriculture in) General	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Agriculture, Forestry and Fisheries(MAFF), Ministry of Commerce(MOC)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) Conduct survey of actual condition of rice production and distribution in 13 provinces 2) Establish plan to develop public paddy market through conduction of feasibility study and pilot project about development of public paddy market in three provinces 3) Make capacity development against counterpart and relevant party of public paddy market through establishing development of public paddy market plan and conduction of pilot project		
<b>7. CONSULTANT(S)</b>	Overseas Merchandise Inspection Co., Ltd. Sanyu Consultants Inc.		
<b>8. STUDY PERIOD</b>	Dec.2003 ~ Aug.2006 32month(s) ~		
<b>9. SITE OR AREA</b>	Target area of the Survey : 13 provinces F/S Survey : BattamBang and Banteay Meanchey, BattamBang and Pursat, and Prey Veng Pilot Survey : Svay Antor and Kanhchriech region in Prey Veng district of Prey Veng province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Plan to develop public paddy market(outline of each sites)</p> <p>1. Poipet(wide-area type) : 1) site location : around the International Gate of Route 5 2) transaction volume/year : paddy 50-100thouand ton, brown rice 100-200thousand ton 3) main function : promote buy and sale, weigh/cargo handling/drying/selecting/store keeping/hulling/quality check, make settlement, and provide information 4) scale of the facility : planed site 81.35ha, storehouse/silo,parking area 5) main equipment : truck scale, loader/forklift,drying/selecting/hulling facilities, and quality checking equipment 6) operating organization : PFI/BOT(Thailand,etc) 7) fund planning : PFI/BOT</p> <p>2. Bakan(production area type) : 1) site location : along Route 5 2) transaction volume/year : paddy 10-20thousand ton 3) main function : promote buy and sale, collecting paddy shipment/weigh/cargo handling/drying/selecting/store keeping/quality check, make settlement, and provide information 4) scale of the facility : existing site 2ha, storehouse80*32m,drying facility 0.6ha 5) main equipment : trucks, truck scale, loader/forklift, selecting facilities, and quality checking equipment 6) operating organization : Chamber of Commerce/Rice Millers Association of Pursat 7) fund planning : own funding</p> <p>3. Angkor Borei(intermediate type) : 1) site location : river port of Bassak river tributary 2) transaction volume/year : paddy 50thouand ton 3) main function : promote buy and sale, weigh/cargo handling/drying/selecting/store keeping/quality check, make settlement, and provide information 4) scale of the facility : existing site 2ha, storehouse80*32m,drying facility 0.6ha 5) main equipment : truck scale, forklift, facility for shipping packed paddy, selecting facilities, and quality checking equipment 6) operating organization : Chamber of Commerce/Rice Millers Association of Takeo 7) fund planning : external support and own procurement</p> <p>4. Peam Ro. (wide-area type) : 1) site location : river port of Mekong river mainstream and tributary 2) transaction volume/year : paddy 100-200thousand ton, brown rice 10-20thousand ton 3) main function : promote buy and sale, weigh/cargo handling(truck loading/unloading and boat loading)/drying/selecting/quality check, make settlement, and provide information 4) scale of the facility : planed site 4-5ha, storehouse 5,000m2,drying facility 1ha, parking 0.5ha 5) main equipment : truck scale, loader/forklift, drying/selecting/hulling facilities, facility for shipping packed paddy, and quality checking equipment 6) operating organization : BOT(Vietnam,etc) 7) fund planning : BOT(foreign fund)</p> <p>5.Svay Antor(production area type) : 1) site location : center of production area 2) transaction volume/year : paddy 5-10thousand ton 3) main function : promote buy and sale, collecting paddy shipment, weigh/cargo handling(truck loading/unloading)/drying/selecting/storage keeping/quality check, make settlement, and provide information 4) scale of the facility : existing site, existing storehouse 3,200m2,drying facility 1,800m2 5) main equipment : truck, truck scale, forklift, selecting facilities, and quality checking equipment 6) operating organization : NGO 7) fund planning : MOC/JICA made the initial investment</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(FY 2007 Domestic Survey)  The public paddy market of Svay Antor in Prey Veng province, conducted by the Survey, was consigned to "Svay Antor OPM", which was organized by NGO approved by Interior Ministry, and was operated under the supervision of the NGO.  The NGO returned the equipments and relevant fund to operate the market to Commerce Ministry after the end of consignment contract. The Chamber of Commerce in Kampong Cham province made consigning contract with Commerce Ministry, and would operate the public paddy market continuously.  The achievement of the Survey is utilized as reference data of trading project in border between countries by the alliance with Thailand(simplifying the procedure and detail checking of the objective), as well as "The Survey of planning the improvement of rice distribution system and postharvest treatment".</p> <p>(FY 2007 Overseas Survey)  The Ministry of Commerce is planning to take down the activity of the public paddy market of Svay Antor in recent years.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Jun.2009

Revised Sep.2010

ASE **KHM/S 101/07**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on the Master Plan for Maritime and Port Sectors in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works and Transport (MPWT)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Considering the modernization of Cambodian maritime and port sectors is indispensable for Cambodian economic development, this study aims at strengthening the international competitiveness of the maritime and port sectors in Cambodia. The study also aims at assisting in the compliance with international conventions related to maritime transportation, seafarer's certificate, ship safety, maritime pollution and others.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Japan Marine Science Inc.		
<b>8. STUDY PERIOD</b>	Nov.2006 ~ Sep.2007 10month(s) ~		
<b>9. SITE OR AREA</b>			
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Master Plan for Port Sector :</p> <p>1)Efficient Terminal Operation at Sihanoukville Port, 2)Future Development of Sihanoukville Port, 3)Development of Phnom Penh Port, 4)Potential Analysis of Seaport Location</p> <p>Priority Issues :</p> <p>1. Upgrading the Sihanoukville Port as a major gateway port</p> <p>1-1) To increase liner services and strengthen the connection with SEZs</p> <p>1-2) To improve management and operation of container terminal</p> <p>1-3) To develop multipurpose berth and terminal</p> <p>1-4) To encourage the use of dry ports</p> <p>1-5) To minimize port security levy on shippers and consignees</p> <p>2. Enhancement of container handling capacity of Phnom Penh Port</p> <p>2-1) To develop a new container terminal and ICD</p> <p>2-2) To improve the convenience of container transportation through the Mekong River</p> <p>3. Improvement of Flag State Control : 3) Improvement of ship registration administration and ship inspection</p> <p>4. Maritime Education and Training : 4) To establish Maritime Practical Training Center</p> <p>5. Maritime Safety : 5) To improve the system for maritime safety and establish Coastal Communication Center</p> <p>6. Port Security : 6) To improve port security management and scheme</p> <p>7. Strengthening of Maritime Administration : 7) To enact Maritime Code and establish</p> <p>8. Appropriate Port Management and Operation Scheme : 8) To establish national port policy, port law, and administration on the development and management of private ports</p> <p>9. Improvement of Maritime and Port Organization : 9) To improve the organization of maritime and port administration and operation</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2008 Domestic Survey)

As regards "Strengthening port system and improvement of operation," yen loan was requested for multipurpose terminal and SAPROF(Special Assistance for Project Formation for the Sihanoukville Port Urgent Development for Oil Supply Base and Multipurpose Terminal in Cambodia) was implemented. Oil Supply Base (yard, berth) and water depth bulk terminal(quay, yard) are to be established in Sihanoukville Port. In addition, the short-term expert on the operation of containers was also dispatched in 2006.

With respect to "Capacity development in port administration," technical cooperation project for port administration has been implemented since March, 2009.

For "Capacity development in maritime administration," there has been no progress made so far.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.2007

Revised Sep.2010

ASE KHM/S 102/07

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Development Study on Strengthening Maternal and Child Health Service Performance in Cambodia		
<b>3. SECTOR</b>	Public Health and Medicine / Public Health and Medicine	<b>4. TYPE OF STUDY</b>	M/P
<b>5.</b>	Ministry of Health		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	In objective of reducing maternal and infant mortality, 1) survey the present state of maternal and child health in Cambodia, 2) analyze the factor making maternal and infant mortality to high degree, and 3) make suggestion and summary.		
<b>7. CONSULTANT(S)</b>	System Science Consultants Inc.		
<b>8. STUDY PERIOD</b>	May.2006 ~ May.2007		12month(s)
<b>9. SITE OR AREA</b>	Throughout the country of Cambodia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Prior region by needs of maternal and child health eight provinces(Prey Veng, Kampong Cham, Siem Reap, Kampong Speu, Kampong Thom, Banteay Meanchey, Kampot, and Kandal)</p> <p>2. Suggestions</p> <p>1) Early securement of necessary numbers of maternity nurse improvement of maternity nurse cultivation structure, thorough allocation of maternity nurse in remote area, improvement in the skill of maternity nurse and improvement of working circumstances of maternity nurse</p> <p>2) Service in high quality improvement of maternal and child health service through reinforcement of childbirth preparations in remote community that is difficult to access to medical care, for example</p> <p>3) Improvement of service by the management of Ministry of Healthcare improvement in function of PHD(Provincial Healthcare Department) and OD(Operational District healthcare office), and treat the allocation of budget fairly</p> <p>4) Reinforcement of the coordination between community and healthcare facilities improvement of residents' awareness about childbirth through the cooperation between public sector and private sector</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY2007 Domestic and Overseas Survey)

The midterm and final report were distributed widely to departments in Ministry of Health, development partners, and various stakeholders. In the report, abundance of information about present state of healthcare services against pregnancy, childbirth, and child in Cambodia, and definite suggestions against relevant problem are written. It have been highly regarded.

As short-term achievement, JICA technical cooperation project has been established based from the study, and now it is in conduction. Also, the result of this Study is utilized to establish the main policy by Ministry of Health. {Review of Health Sector(AD2007), Strategy Plan of Health Sector(AD2007), etc. }

As long-term achievement, the Ministry of Health has started to conduct the suggestions(ex: increase SBA, improve working environment, etc.) mentioned in the Study.

Implemented Project : Project of Improving Maternal and Child Health Service in Rural Areas of Cambodia

Implementing Body : Ministry of Health in Cambodia, JICA

Implementing Period : from January, 2007 to January, 2010

Objective : Improve pregnancy, childbirth, newborn infant care service in model site, and make it to be utilized as regional model in the national program.

Contents : 1) present state review to select OD, which would be the model site of Kampong Cham Province, 2) set up the structure to conduct training, 3) conduct training in the model site to strengthen maternal and child health service by team, 4) improve the training contents including PMTCT, and conduct it in the level of PHD/RTC/OD, 5) conduct follow-up workshop to monitor the achievement

Relationship with the Study : This issue started after conduction of prior evaluation in the development study.

(FY 2008 Domestic Survey)

Aforementioned technical cooperation project has been implemented.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Apr.2010

Revised Sep.2010

**ASE KHM/A 101/08**

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	Basin-Wide Basic Irrigation and Drainage Master Plan Study in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Agriculture	/ Irrigation, Drainage & Reclamation	<b>4. TYPE OF STUDY</b> M/P
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Water Resources and Meteorology Ministry of Agriculture, Forestry and Fisheries		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	i) To formulate the Master Plan on Irrigation Development in the Target Area consisting of four river basins: Battambang, Moug Russei, Pursat and Boribo, ii) To prepare the Detailed Plan for selected sites, iii) To update the Master Plan based on the Detailed Plan and iv) To transfer technologies to the counterpart personnel on irrigation and drainage planning.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.2007 ~ Feb.2009 24month(s) ~		
<b>9. SITE OR AREA</b>	The target area covers irrigated agriculture land mainly comprising of paddy fields in the four river basins: the Battambang, the Moug Russei, the Pursat, and the Boribo. All the river basins are located on the west side of the Tonle Sap Lake and River. The study area administratively consists of major parts of three provinces, and parts of Kampong Speu, Kandal Provinces and Pailin City. It has total area of 22,868 km <sup>2</sup> .		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>(Pre-F/S) 1) Pre-F/S Projects : a) Ream Kon Rehabilitation 1,890ha, b) Por Canal Rehabilitation 1,940ha, c) Damnak Ampil Rehabilitation 2,270ha, d) Wat Loung Rehabilitation 2,540ha, e) Wat Chre Rehabilitation 1,020ha, 6) Lum Hach Rehabilitation 3,100ha, Total 12,760ha, 2) SUPPORTING PROGRAMS : a) Meteo-hydrological Observation strengthening Program, b) Capacity Development Support Program for MOWRAM, c) Capacity Development Support Program for PDOWRAM, 3) Project Cost 97,954millionUSD, schedule 2010-16, 4) Economic Evaluation : EIRR12.8%, Benefit 229,181 Million Riel, Cost 141,526 Million Riel, B-C87,655 Million Riel, B/C1.62</p> <p>(M/P) : Proposed Irrigation and Drainage Projects            Battambang : 1) Kong Hort Rehabilitation Project(Phase I), Area 10,040ha, Cost 28,920 (US\$ 1,000), EIRR 8.2%, 2) Kong Hort Rehabilitation Project(Phase II), Area 2,733ha, Cost 9,793 (US\$ 1,000), EIRR 3.9%, 3) Sala Taon Weir Rehabilitation Project Area 10,400ha, Cost 59,951 (US\$ 1,000), EIRR 2.7%, 4) Ratanak-Battambang Water Harvesting Project, Area 580ha, Cost 3,120 (US\$ 1,000), EIRR 3.0%            Moug Russei : 5) Bassac Irrigation System Rehabilitation Project, Area 3,500ha, Cost 8,022 (US\$ 1,000), EIRR 2.9%, 6) Ream Kon Rehabilitation Project, Area 2,300ha, Cost 5,734 (US\$ 1,000), EIRR 9.8%, 7) Por Canal Rehabilitation Project, Area 1,200ha, Cost 2,598 (US\$ 1,000), EIRR 9.5%, 8) Nikom/Dai Ta Chan Rehabilitation Project, Area 600ha, Cost 2,250 (US\$ 1,000), EIRR 11.0%,            Pursat : 9) Beoun Preah Ponley Rehabilitation Project, Area 8,500ha, Cost 20,296 (US\$ 1,000), EIRR 7.2%, 10) Damnak Ampil Extension Project, Area 8,000ha, Cost 18,491 (US\$ 1,000), EIRR 12.0%, 11) Wat Loung Rehabilitation Project, Area 3,940ha, Cost 9,193 (US\$ 1,000), EIRR 9.2%, 12) Wat Chre Rehabilitation Project, Area 1,000ha, Cost 2,965 (US\$ 1,000), EIRR 10.7%, 13) Anlong Knouchi, Wat Leal, Kosh Khsach Water Harvesting and Recession Rice Rehabilitation Project, Area 2,602ha, Cost 6,463 (US\$ 1,000), EIRR 9.3%            Boribo : 14) Lum Hach Rehabilitation Project Area 3,700ha, Cost 10,785 (US\$ 1,000), EIRR 8.1%, 15) 7th January Canal Rehabilitation Project, Area 2,000ha, Cost 5,668 (US\$ 1,000), EIRR 6.3%, 16) Khvet Rehabilitation Project, Area 250ha, Cost 928 (US\$ 1,000), EIRR 6.8%, 17) Ta Ram Rehabilitation Project, Area 180ha, Cost 1,009 (US\$ 1,000), EIRR 7.1%, 18) Chak Teum, Trapeang Khlong, Don Pov Rehabilitation Project, Area 980ha, Cost 2,626 (US\$ 1,000), EIRR 4.1%, 19) Teuk Laak, Trapeang Thlan Rehabilitation Project, Area 230ha, Cost 781 (US\$ 1,000), EIRR 10.1%, 20) Toul Champey Rehabilitation Project, Area 360ha, Cost 747 (US\$ 1,000), EIRR 7.9%, 21) Chan Keak Rehabilitation Project, Area 110ha, Cost 372 (US\$ 1,000), EIRR 13.7%, (Total) Area 63,205ha, Cost 200,712 (US\$ 1,000)</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2009 Domestic Survey) No information.

(FY 2009 Overseas Survey)

1. The Bassac Reservoir, has been rehabilitated and completed in 2009 by Japanese Counterpart Fund for Non-Project Grant Aid.

2. Kong Hort Irrigation Phase 1 and Phase 2 Project are among 8 sub-projects is implementing under the Chinese Loan and covers area 44,000 ha. Chinese Loan Agreement (Eximbank) was signed on 23rd October 2009 and Ground Breaking Ceremony was held on 2nd February 2010.

As for the following projects, the request for the yen loan has been prepared.

1. West Tonle Sap Irrigation and Drainage Rehabilitation and Improvement Project

(1) Hard Component: Rehabilitation of irrigation and drainage facilities covering 12,760ha.

(2) Soft Component: 1) FWUC establishment and strengthening

(3) Project Supporting Programs: 1) Meteo-hydrological Observation Strengthening Program, 2) Capacity Development Support Program for MOWRAM and 3) Capacity Development Support Program for PDOWRAM

(4) Project Formulation Study for other Potential Areas

(5) Consulting Service: 1) Detailed Design, 2) Assistance to Tender, 3) Construction Supervision, 4) Support Environmental Monitoring, 5) Support to O&M etc.

\*(2), (3) are under discussion between Ministry of Economy and Finance and JICA.

\*SAPROF study "Special Assistance for Project Formation for West Tonle Sap Irrigation and Drainage Rehabilitation and Improvement Project (2009.7-2009.11)" has been implemented.

The following contents are under discussion between Ministry of Economy and Finance and JICA.

(1) Soft Component: 1) FWUC establishment and strengthening

(2) Project Supporting Programs: 1) Meteo-hydrological Observation Strengthening Program, 2) Capacity Development Support Program for MOWRAM and 3) Capacity Development Support Program for PDOWRAM.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Apr.2010

Revised Sep.2010

ASE KHM/A 301/08

<b>1. COUNTRY</b>	Cambodia		
<b>2. NAME OF STUDY</b>	The Study on Comprehensive Agricultural Development of Prek Thnot River Basin in the Kingdom of Cambodia		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Agriculture, Forestry and Fisheries	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	(1) To formulate the master plan on Comprehensive Agricultural Development (M/P) in order to improve agricultural productivity in the Prek Thnot River Basin; (2) To implement the Feasibility Study (F/S) on the rehabilitation of existing irrigation and drainage facilities with high priority/urgency primarily associated with improvement of rice cultivation; (3) To prepare a flood forecasting and warning plan; and (4) To transfer technologies to the counterpart personnel through on-the-job training during the course of the study.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.2005 ~ Aug.2008 37month(s) ~		
<b>9. SITE OR AREA</b>	The target area of the M/P will cover agricultural land comprising mainly of paddy fields in the Prek Thnot River Basin. The location is in Chabar Mon District, which is part of the Samraong Tong and Kong Pisei Districts in Kampong Speu Province, and part of the Ang Snuol and Kandal Stueng Districts in Kandal Province. It extends from the Roleang Chrey Regulator to the west of National Road No. 3.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Roleang Chrey Regulator and Intakes Project</p> <p>1) Purpose and Development Concept : The Project aims to provide a stable water supply to the North Main Canal, the South Main Canal and the downstream area. In consideration of the current conditions and importance of the existing facilities for the development of irrigated agriculture and to attain the stated goals, the JICA study team has initiated a development concept for "Realization of Proper Gate Operation through Provision of Appropriate Facilities" for the Project.</p> <p>2) Cost Estimate : The total investment consisting of i) engineering service cost, ii) construction cost, iii) administration cost, iv) environmental monitoring cost, and v) physical and price contingencies, is estimated to be US\$ 4,991,000 (Riel 20,263,460).</p> <p>3) Project Evaluation : The EIRR was estimated at 14.8 %. The B-C and B/C at 7% discount rate were estimated as Riel 7,646 million and 1.6, respectively.</p> <p>2. Irrigated Agriculture Improvement Model Project</p> <p>1) Purpose and Basic Concept : The Project aims to demonstrate proper water management and increase rice production through well harmonized development on agriculture, irrigation and drainage, as well as the development of related institutions. To attain this aim, an elaborated basic strategy for Project development will be the "preparation of a practical development plan focusing on dissemination of improved farming practices, established proper water management and strengthened FWUCs". This is also in consideration of the lessons learned from the on-going pilot projects.</p> <p>2) Cost Estimate : The estimated total investment cost was US\$ 2,479,000, equivalent to Riel 10,064,740,000.</p> <p>3) Project Evaluation : Estimated EIRR for the Project was 11.1 %. B-C and B/C at 7% discount rate were also estimated as Riel 2,969 million and 1.5 respectively. The Project was proven to be economically feasible. The Project will also bear the increase of rice, from 1,821 tons 3,107 tons, (about 70% increase). The annual net increase in income would average Riel 469,000 for Type A and Riel 448,000 for Type B. The farmers' ability to pay was defined as the ratio of the Irrigation Service Fee (ISF) to the annual net increase in income under with project condition. The average ISF was estimated at Riel 47,400/year/household for Type A and Riel 15,300/year/household for Type B. These values are less than 11% of the annual net increase in income of Type A, and less than 4% of Type B households. This will enable most of the farmers to pay ISF. The Project will also significantly contribute to many socio-economic aspects such as i) improvement of farmers' and other people's incomes and employment opportunities, ii) self-sufficiency in upland crops and vegetables in the Project Area, iii) improvement of the regional economy, iv) capacity development of staff concerned, and v) ripple effects as a development model to be introduced into neighboring and other areas.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b>  (FY 2009 Domestic Survey) (FY 2009 Overseas Survey)  The Project for Improvement of Roleang Chrey Headworks  Purpose:  1) To maintain present agricultural productivity and farmer's income by stable irrigation water supply to a benefit area of about 10,000ha through the improvement of the existing irrigation facilities.  2) To supply irrigation water to Kandal Stung Irrigation area of about 1950ha (located at about 4okm downstream)  3) To mitigate inundation and flood damages in both the upstream and downstream areas of the regulator through the rehabilitation of its gates.  Summary of Project:  1. Rehabilitation of Roleang Chrey Regulator  1) Rehabilitation of all gates and hoist systems  2) Rehabilitation of the downstream river bank protection  3) Construction of the downstream river bed protection  4) Construction of a river outlet structure at the right side of headworks  2. Reconstruction of the Intakes with Intake  1) Reconstruction of the Intake  2) Replacement of gates  3. Soft Component  1) Preparation of O&amp;M manual, etc.  2) Provide seminar and technical guidance of gate operation  Situation : Grant aid has been provided and D/D is now being carried out (2009.3-). The project is currently under suspension due to no construction company showing interest in the construction work.  Fund : Yen Grant Aid (2009.6.5)</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (Other Studies)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 601/74**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Solo River Basin Development (Follow-Up)		
<b>3. SECTOR</b>	Social Infrastructure / Water Resources Development		<b>4. TYPE OF STUDY</b> Other Studies
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Guidance on topographic mapping and boring		
<b>7. CONSULTANT(S)</b>			
<b>8. STUDY PERIOD</b>	Nov.1974 ~ Mar.1975 4month(s) ~		
<b>9. SITE OR AREA</b>	Central part of Java, Solo River basin (16,000sq.km, population 10 million)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY1995 Domestic Survey)  
 No additional information.  
 Data are not available as the person in charge had been shifted to the other place.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 101/75**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Java Regional Study, East Java		
<b>3. SECTOR</b>	Development Plan / Integrated Regional Development Plan		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works and Power	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Regional development planning for increased equity of income distribution		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan		
<b>8. STUDY PERIOD</b>	Jul.1975	~	Dec.1975 5month(s)
<b>9. SITE OR AREA</b>	East Java Province (47,922 sq.km)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>(1) Industrialization Program (institutional requirements)</li> <li>(2) Water Resources Development Program (flood control and irrigation development in Solo and Brantas river basins)</li> <li>(3) Madura Agricultural Development Program (cattle fattening, freshwater aquaculture, suitable upland crops)</li> <li>(4) Southern Coast Development Program (port development, mining)</li> <li>(5) Rural Development Program (strengthening of agricultural coops &amp; INPRES programs)</li> <li>(6) Community Facility System Development Program (study of available service facilities and development planning)</li> </ul> <p>Supporting Measures:</p> <ul style="list-style-type: none"> <li>(7) Professional Education Program</li> <li>(8) Strengthening of BAPPEDA</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## 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

## 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.

## (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 leading 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.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 301/75

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Wonogiri Multipurpose Dam Project		
<b>3. SECTOR</b>	Social Infrastructure / Water Resources Development		<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Water Resources Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	A F/S of irrigation sector, power sector and flood control among the Solo River Basin Master Plan, taking into account the importance of increasing food production, lessening flood damage and supplying hydro-electric power.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd. Japan Engineering Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Nov.1974 ~ Oct.1975 11month(s) ~		
<b>9. SITE OR AREA</b>	Upstream area of Solo River Basin (Kab. Wonogiri), in Central Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
<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>			

<b>PRESENT STATUS</b>	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)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 301/76

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Wonogiri Irrigation and Upper Solo River Improvement Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ministry of Public Works, Directorate General of Water Resources Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>			
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd. Japan Engineering Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.1976 ~ Sep.1976 8month(s) ~		
<b>9. SITE OR AREA</b>	Area with 5km wide and 60km long along the Solo river (population is 25 million centering on Surakarta city of Java island)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Note: One study consists of this study and Wonogiri Irrigation and Upper Solo River Improvement Project study (Social Infrastructure/River &amp; 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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>&lt;Wonogiri Irrigation Project&gt;            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 &amp; 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 &amp; 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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

(F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 302/76

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Wonogiri Irrigation and Upper Solo River Improvement Project		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Solo River Basin Development Project		
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Irrigation, Flood control and Hydroelectric Power		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd. Japan Engineering Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.1976	~	Sep.1976 8month(s)
<b>9. SITE OR AREA</b>	Surakarta Area (downstream reach at Wonogiri Dam, Middle Java)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

- 1.Large economic impact
- 2.High priority
- 3.Good financial position
- 4.Stable political background

<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)

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)

Construction:

Mar.1988 Started

Oct.1994 Completed

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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1976

Revised Sep.2010

ASE IDN/S 303/76

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Central and East Java Road Betterment Project		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Bina Marga (Directorate General of Highways, Ministry of Public Works)		
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Widening, overlay and realignment of roads		
<b>7. CONSULTANT(S)</b>	Mitsui Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Nov.1975 ~ Aug.1976 9month(s) ~		
<b>9. SITE OR AREA</b>	Cilacap - Malang Corridor		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Improvement of road condition in four routes connecting Central and East Java provinces</p> <p>[Project Routes]</p> <p>ROUTE 1: Buntu - Pringsurat 145.2 km</p> <p>ROUTE 2: Salaman - Purworejo 27.2 km</p> <p>ROUTE 3: Surakarta - Wonogiri 32.2 km</p> <p>ROUTE 4: Ponorogo - Biltar 117.5 km</p> <p>TOTAL 322.1 km</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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>		

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 102/77

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Java Regional Study: Central Java		
<b>3. SECTOR</b>	Development Plan	/ Integrated Regional Development Plan	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Urban Planning and Housing, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Evaluation of regional development potentials and formulation of development strategies.		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan		
<b>8. STUDY PERIOD</b>	Dec.1976	~ Nov.1977	11month(s)
<b>9. SITE OR AREA</b>	Central Java Province (34,206 sq.km)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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 &amp; Culture</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 304/77

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development Plan of the Banjarmasin Port		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Sea Communication		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	M/P aiming the year 2000 F/S on the development plan aiming the year 1983		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute		
<b>8. STUDY PERIOD</b>	Oct.1976 ~ Aug.1977 10month(s) ~		
<b>9. SITE OR AREA</b>	Kalimantan, South Kalimantan Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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> <p>- Wharf            L : 740m   D : -10m</p> <p>- Wharf            L : 1,170m D : -6m</p> <p>- Wharf            L : 1,770m D : -4m</p> <p>- Wharf            L : 1,000m D : -2m</p> <p>- Warehouse        72,000sq.m</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

High priority

Subsequent Studies:

Oct.1984 F/S reviewed

Jun.1985 Detailed design completed

Finance:

ADB loan

Construction:

Nov.1991 completed

Project Outline:

Wharf: 320m long and 9m deep

Wharf: 500m long and 5m deep

Total project cost US\$55 million

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# STUDY SUMMARY SHEET

## (Other Studies)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 602/77

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Brantas River Basin Development Plan (Follow-Up)		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> Other Studies
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resource Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>			
<b>7. CONSULTANT(S)</b>			
<b>8. STUDY PERIOD</b>	Mar.1978	~	Mar.1978 0month
<b>9. SITE OR AREA</b>	Wuringi dam of Brantas River		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	The study examined the problem of seepage of the base ground of the Wuringi dam, and advised on the suitable construction methods.		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY1995 Domestic Survey)  
No information, as the consultants in charge are moved to some other unknown places.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (Other Studies)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 603/77**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Brantas Middle Reaches River Improvement Project (Follow-Up)		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> Other Studies
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>			
<b>7. CONSULTANT(S)</b>			
<b>8. STUDY PERIOD</b>	Aug.1977	~	Sep.1977 1month
<b>9. SITE OR AREA</b>	Midstream basin of Brantas River in East Java Province (about 110 km in length)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## 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)

## 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

(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.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 103/78

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	North and West Sumatra Tourism		
<b>3. SECTOR</b>	Tourism / (Tourism in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Tourism, Post and Telecommunication, Directorate General of Tourism	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Establishment of a basis for strategic tourism development in the North and West Sumatra provinces		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Pacific Consultants International		
<b>8. STUDY PERIOD</b>	May.1977 ~ Apr.1978 11month(s) ~		
<b>9. SITE OR AREA</b>	The Whole of North and West Sumatra Provinces		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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> <p>(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.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

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).

Based on the results of the above study, the Directorate General of Tourism intends to promote tourism development in this region.

(FY 1994 Domestic Survey)(FY1995 Domestic Survey)

No additional information.

(FY 1995 Overseas Survey)

No additional information.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 201B/78

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Ular River Improvement Project		
<b>3. SECTOR</b>	Social Infrastructure / River & Erosion Control		<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Ministry of Public Works, Indonesia	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulating the plans for river channel improvement & flood control, and irrigation & drainage improvement works in the downstream area.		
<b>7. CONSULTANT(S)</b>	NIKKEN Consultants, Inc. Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1976 ~ Jul.1978 24month(s) ~		
<b>9. SITE OR AREA</b>	Ular River basin in North Sumatra Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The Overall Plan was composed of the river-channel improvement for the Ular River based on the design discharge of 800m<sup>3</sup>/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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></p> <p>Subsequent Studies  Mar.1979 L/A 420 mil yen (E/S)  Feb.1980-Apr.1981 D/D (by OECF loan)  1981 E/S completed</p> <p>Finance:  May.1981 L/A 8,140 mil yen  Dec.1989 L/A 21,518 mil yen</p> <p>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&amp;M manual  Nov.1995 All construction works completed (FY 1996 Domestic Survey)</p> <p>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&amp;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).</p> <p>Maintenance &amp; Operation:  A M&amp;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&amp;O works, referring to the manual.</p> <p>Effect:  The land, which had been left unusedbefore the project, is now cultivated as rice field.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 305/78

<b>1. COUNTRY</b>	Indonesia
<b>2. NAME OF STUDY</b>	Jakarta Ring Road Project
<b>3. SECTOR</b>	Transportation / Road
<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b> <b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Planning, Directorate General of Highway, Ministry of Public Works
<b>PRESENT COUNTERPART AGENCY</b>	
<b>6. OBJECTIVES OF THE STUDY</b>	Highway Plan
<b>7. CONSULTANT(S)</b>	Pacific Consultants International
<b>8. STUDY PERIOD</b>	Mar.1977 ~ Mar.1978 12month(s) ~
<b>9. SITE OR AREA</b>	Boundary of Jakarta
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Designed length of the road: 67 km</p> <p>Standard: 6-lane highway standard (expandable to 6-lane standard)</p> <p>Width of the lane: 3.5 m</p> <p>Designed speed-capacity: 80 km/h</p> <p>Number of interchanges: 6 junctions to highways 18 interchanges to regular roads</p> <p>Average distance between interchanges: 4 km</p>

<b>PRESENT STATUS</b>	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)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 306/78

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Expansion Project of the Bitung Port		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Sea Communication		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	M/P aiming the year 2000 F/S on the development plan aiming the year 1985		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Jul.1977	~	Mar.1978 8month(s)
<b>9. SITE OR AREA</b>	North Sulawesi Province, North part of Sulawesi island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- Wharf            L : 690m D : -5.5m</li> <li>- Wharf            L : 130m D : -3.0m</li> <li>- Warehouse      15,650sq.m</li> <li>- Road              44,100sq.m</li> </ul>		

<b>PRESENT STATUS</b>	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 termination of this study.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 307/78

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development Plan of the Port of Semarang		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Sea Communication		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Expansion and improvement measures in the access channel: M/P aiming at year 2000 F/S on the development plan aiming at year 1985 Urgent improvement program aimed at year 1980		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Japan Port Consultants Co., Ltd. Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Sep.1977 ~ Aug.1978 11month(s) ~		
<b>9. SITE OR AREA</b>	Central Java		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
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	

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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</p> <p>(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</p> <p>(2)Provision of port equipments (12 fork lifts and others)</p> <p>Construction:  Jun.1986 Phase I construction completed</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 308/78

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Hospital Facilities Improvement Project		
<b>3. SECTOR</b>	Social Infrastructure	/ Architecture & Housing	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Health		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Development of 20 hospitals in three provinces		
<b>7. CONSULTANT(S)</b>			
<b>8. STUDY PERIOD</b>	Apr.1978	~	Oct.1978 6month(s)
<b>9. SITE OR AREA</b>	Three provinces of North Sulawesi, South Sulawesi, and North Sumatra		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The study undertook the following tasks.</p> <ol style="list-style-type: none"> <li>1) Analysis of the present situation of medical services and proposals for improvement</li> <li>2) Examination of the present medical equipment and supplies and proposals for improvement</li> <li>3) Evaluation of hospital-related facilities and proposals for improvement</li> <li>4) Analysis of the needs and possibilities of infrastructural development necessary to support the improvement of hospital services</li> </ol>		

<b>PRESENT STATUS</b>	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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (Basic Study)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/A 501/78**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Forest Inventory for Management and Logging in Central Java		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	PERUM PERHUTANI	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	(To establish the inventory method of merkusi pine forest)		
<b>7. CONSULTANT(S)</b>	Japan Forest Technical Association Asia Air Survey Co., Ltd. KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Nov.1976 ~ Mar.1978 16month(s) ~		
<b>9. SITE OR AREA</b>	An area of 350sq.km within the jurisdiction of Pekalongan Forest Office, Central Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## Utilization of the Outputs:

(FY 1997 Overseas Survey)

The results of the study have been utilized for elaboration of forestry management plan.

## "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.

## Finance:

Government budget, BOT (Perum Perhutani)

## Situation:

The technical cooperation for mountain logging practice project in Java was started in 1983 and complete in 1985.

(FY 1994 Domestic Survey)

No information.

(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.

(FY 1995 Domestic Survey)

No additional information.



# STUDY SUMMARY SHEET

## (Other Studies)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 604/78**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Wonogiri Irrigation and River Improvement Project (Follow-Up)		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> Other Studies
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Identification of an optimum construction plan		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Nov.1978	~ Dec.1978	1month
<b>9. SITE OR AREA</b>	Upper part of Solo River, from the Wonogiri Dam down to the City of Solo		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

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

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 104/79**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Shipbuilding Industry Development		
<b>3. SECTOR</b>	Transportation / Marine Transportation & Ships		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communications, Ministry of Communications, and Directorate General of Basic Metal and Machinery Industry, Ministry of Industry	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Examination of and advice on the needs of rehabilitation and new construction		
<b>7. CONSULTANT(S)</b>	Overseas Ship-building Cooperation Centre		
<b>8. STUDY PERIOD</b>	Sep.1977 ~ Nov.1977	2month(s)	
	May.1978 ~ Dec.1978	7month(s)	
<b>9. SITE OR AREA</b>	18 major shipbuilding yards in Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## 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)").

## (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.

\*Refer to "Reinforcement and Expansion Plan of P.T.IKI Makassar Shipyard at Ujung Pandang (1980)"

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 107/79**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Central South Sulawesi Water Resources Development Project		
<b>3. SECTOR</b>	Social Infrastructure / Water Resources Development		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Planning and Programming	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Irrigation Development Topographic survey		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd. System Science Consultants Inc.		
<b>8. STUDY PERIOD</b>	Dec.1976 ~ Jun.1978      18month(s) Aug.1978 ~ Mar.1980      19month(s)		
<b>9. SITE OR AREA</b>	The area centered by Lake Tempe,south Sulawesi		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- Irrigation: Area 81,000ha(9 irrigation plots)</li> <li>- Flood control: Extension by river improvement 117km</li> <li>- Fresh water fishery: prohibition of fishing for a whole year of lake Tempe, construction of hatcheries and fisheries.</li> <li>- Multi-purpose dam: Walimpong dam (Rockfill dam, height-82m, crest length-900m)</li> <li>- Hydro-electric power: Walimpong hydro-electric power station (output:8,000kw, 70GW/year)</li> <li>- Sabo: Sabo dam 12 plots, compacting plots-about 140.</li> </ul> <p>The total cost above only pertains to the irrigation development.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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) Chenglanæ 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)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 302/79

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Riam Kanan Irrigation Project		
<b>3. SECTOR</b>	Agriculture	/ (Agriculture in) General	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Public Works, Directorate General of Water Resources Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Feasibility Study on Agricultural Development Project in order to increase rice production by introducing modern technical irrigation and drainage system and improved farming technique, on flat low land of about 30,000ha in coastal area of South Kalimantan Province.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Asia Air Survey Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1978 ~ Mar.1979 8month(s) ~		
<b>9. SITE OR AREA</b>	Riam Kanan Area of South Kalimantan Province (Investigated Area 60,000ha)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
(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.		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 309/79

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

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 310/79

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Borobudur Prambanan: National Archeological Parks		
<b>3. SECTOR</b>	Tourism	/ (Tourism in) General	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Tourism Directorate Transport Ministry		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Tourism Development		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International JCP Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1978	~	Jul.1979 12month(s)
<b>9. SITE OR AREA</b>	Central Java, Borobudur Prambanan		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	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.		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (Other Studies)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 605/79**

<b>1. COUNTRY</b>	Indonesia										
<b>2. NAME OF STUDY</b>	Jakarta-Merak Highway Project: Jakarta/Tangerang Freeway Financial Study (Follow-Up)										
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> Other Studies								
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Highways, Ministry of Public Works									
	<b>PRESENT COUNTERPART AGENCY</b>										
<b>6. OBJECTIVES OF THE STUDY</b>	Policy recommendations on the operation of toll road										
<b>7. CONSULTANT(S)</b>	Pacific Consultants International										
<b>8. STUDY PERIOD</b>	Mar.1979	~ Jun.1979	3month(s)								
<b>9. SITE OR AREA</b>	Road between Jakarta and Tangerang										
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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="margin-left: 20px;"> <tr> <td>Around Jakarta</td> <td>4.6 km</td> </tr> <tr> <td>Between Jakarta and Tangerang</td> <td>14.2 km</td> </tr> <tr> <td>Around Tangerang</td> <td>7.8 km</td> </tr> <tr> <td>Total length</td> <td>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										

<b>PRESENT STATUS</b>	<p>In Progress or In Use</p> <p>Delayed</p> <p>Discontinued or Cancelled</p>
<p><b>Description :</b></p> <p>(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 &amp; Operation:  PT Marga Mandala Sakti is in charge of M&amp;O.  Effect:  The area along the constructed toll road has been rapidly developed. The relation between Sumatra-Jakarta has been promoted.</p> <p>(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 &amp; Operation:  PT Jasa Marga (Persero) is in charge of M&amp;O.</p>	

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/A 101/80**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Watershed Management Plan in Upper Musi Watershed, South Sumatra		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	The Directorate General of Forestry of The Republic of Indonesia	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	to promote forest and watershed conservation by planning of forest management, afforestation, etc.		
<b>7. CONSULTANT(S)</b>	Japan Forest Technical Association KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Nov.1977 ~ Mar.1980 28month(s) ~		
<b>9. SITE OR AREA</b>	An Area of 4,000 sq.km in Upper Musi Watershed, South Sumatra Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The main components of the plan were proposed as follows:</p> <ol style="list-style-type: none"> <li>1. Conduct land use zonings in order fo secure the forest area;</li> <li>2. Select production forests and exploit the forest resources in forest area;</li> <li>3. Improve preventive functions of forest area against floods and erosions;</li> <li>4. Confirm forest reserves and improve them;</li> <li>5. Afforest the critical areas immediately in order to prevent erosions; and</li> <li>6. Improve the agricultural infrastructure.</li> </ol>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

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.

(FY 1994 Domestic Survey)

No additional information.

(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.

(FY 1995 Domestic Survey)

No additional information.

(FY 1997 Domestic Survey)

Proposed projects are being implemented not individually but within a comprehensive project.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 105/80**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Removal of Sunken Vessels		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communications, Ministry of Communications	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Transfer of techniques for the removal of sunken ships		
<b>7. CONSULTANT(S)</b>	Overseas Ship-building Cooperation Centre		
<b>8. STUDY PERIOD</b>	Oct.1979	~	Feb.1980      4month(s)
<b>9. SITE OR AREA</b>	Major ports in Indonesia, and the port of Surabaya for the case study		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## Finance:

By own funds

(later, the project was postponed due to financial constraints)

## 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

## 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.

(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.

(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.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 106/80**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Southern Coast Development Plan, East Java		
<b>3. SECTOR</b>	Development Plan / Integrated Regional Development Plan		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Urban Planning and Housing, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Identification of development strategy and projects, and evaluation of economic and social impacts		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan		
<b>8. STUDY PERIOD</b>	Nov.1978 ~ Feb.1980 15month(s) ~		
<b>9. SITE OR AREA</b>	Southern coastal area of East Java (8,310 sq.km, 17% of the land area of East Java)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- Western Pacitan Rural Development</li> <li>- Prigi Bay Area Integrated Development</li> <li>- Pacitan Bay Area Development</li> <li>- Western Malang Rural Development</li> <li>- East Pacitan Rural Development</li> <li>- Southern Tulugagung Rural Development</li> <li>- Southern Blitar Rural Development</li> <li>- East Ponorogo Rural Development</li> </ul> <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"> <li>- Construction of the Prigi commercial port; rehabilitation of the Prigi fishing port, Pacitan</li> <li>- Slahung provincial road improvement; Prigi communal telephone project; Prigi electrification project;</li> <li>- Construction of two dams at Grindulu and Tinator; and West Pacitan critical area rehabilitation (upstream Grindulu River)</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 108/80**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Land Erosion and Volcanic Debris Control in the Area of Mt. Merapi		
<b>3. SECTOR</b>	Social Infrastructure / River & Erosion Control		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resource Development, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Sabo planning in the volcanic area		
<b>7. CONSULTANT(S)</b>	Sabo Technical Center		
<b>8. STUDY PERIOD</b>	Jul.1976 ~ Aug.1979 37month(s) ~		
<b>9. SITE OR AREA</b>	Southern slope of Mt. Merapi(total area 1,300 sq.km, project area 850 sq.km) in Central Java		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>1) Relocation plan (50,400 persons)</li> <li>2) Afforestation plan (6,010 ha)</li> <li>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)</li> <li>4) Warning and evacuation (1 telemeter monitoring center; 4 telemeter monitoring stations; 10 to 15 information centers)</li> <li>5) Related facilities (26.7km main irrigation canals; 26.7km main roads; 12 road bridges; 11 micro hydro-power plants)</li> <li>6) River improvement (control of meandering, channel improvement)</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

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

(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.

(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)

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)  
 \*This study will not be followed up from FY 1997. (further information is not available)

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 109/80**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Medan Area Transportation		
<b>3. SECTOR</b>	Transportation	/ Urban Transportation	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Traffic plan		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Japan Transportaion Consultants, Inc.		
<b>8. STUDY PERIOD</b>	Sep.1979	~	Oct.1980 13month(s) ~
<b>9. SITE OR AREA</b>	Medan suburban area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
<p>The major projects of the short term development plan for 5 years are :</p> <ul style="list-style-type: none"> <li>- Rehabilitation and Construction of Roads: Total length,12,630m Improvement of crossing, 2 sites.</li> <li>- Establishment of City Bus Route (loop line) :Improvement of bus terminal, 2 sites.</li> <li>- Traffic Control Facilities : One way traffic, 26 sites. Signal system, 15 sites</li> <li>- Facilities improvement with reopening of passenger transport between Brawan - Medan.</li> <li>- Establishment of Eastside Entrance and Rehabilitation of pedestrian bridge of Medan Station.</li> </ul>			

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 311/80

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Small and Medium Sized Town Water Supply Projects in Sulawesi		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Dept.of Housing,Building,Planning & Urban Development,Ministry of Public Works, Indonesia		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Improvement of living and sanitary condition with implementation of water supply system		
<b>7. CONSULTANT(S)</b>	Nihon Suido Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1980 ~ Sep.1980 6month(s) ~		
<b>9. SITE OR AREA</b>	South,Central and South-East of Sulawesi Province/ Sulawesi Island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 312/80

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Reinforcement and Expansion Plan of P. T. IKI Makassar Shipyard at Ujung Pandang		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Basic Metal and Machinery Industry		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Examination of conditions for improving the Makassar Shipyard and geological survey		
<b>7. CONSULTANT(S)</b>	The Shipbuilding Research Centre of Japan		
<b>8. STUDY PERIOD</b>	Jun.1980 ~ Mar.1981 9month(s) ~		
<b>9. SITE OR AREA</b>	Makassar Shipyard in Ujung Pandang, Sulawesi		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>- New shipbuilding facilities 135m x 20m (for 5,000DWT ships)</li> <li>- Ship repairing facilities (a graving dock) 140m x 18m x d. 7m (for 7,000DWT ships)</li> </ul>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

Finance:

March 1985 L/A E/S (535 mil yen)

May 1989 D/D completed

The project was changed to construct and repair ships up to 3,000DWT. However, because of the policy change in the Ministry of Industry, the application for OECF finance was withdrawn.

(FY1994 Domestic Survey)

No information.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 313/80

<b>1. COUNTRY</b>	Indonesia																																										
<b>2. NAME OF STUDY</b>	Madiun River Urgent Improvement Project																																										
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> F/S																																								
<b>5.</b>	MPW Directorate General Water Resources																																										
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																																											
<b>PRESENT COUNTERPART AGENCY</b>																																											
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate an optimum project plan for the urgent flood control of the Madiun city and its surrounding area and to identify the effects of the improvement to the downstream areas.																																										
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. CTI Engineering Co., Ltd.																																										
<b>8. STUDY PERIOD</b>	Mar.1980	~	Dec.1980 9month(s)																																								
<b>9. SITE OR AREA</b>	Madiun City (Middle Java)																																										
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The principle work quantities required to the plan with the highest EIRR are presented below:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Embankment of dykes</td> <td style="width: 10%;">1,308,000 cu.m</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>Excavation of shortcut</td> <td>525,000 cu.m</td> <td></td> <td></td> </tr> <tr> <td>Wet masonry</td> <td>44,000 sq.m</td> <td></td> <td></td> </tr> <tr> <td>Construction of bridge</td> <td>3 sets</td> <td></td> <td></td> </tr> <tr> <td>Modification of bridge</td> <td>2 sets</td> <td></td> <td></td> </tr> <tr> <td>Construction of gate structure</td> <td>4 sets</td> <td></td> <td></td> </tr> <tr> <td>Treatment of spoil bank</td> <td>210,000 sq.m</td> <td></td> <td></td> </tr> <tr> <td>Land to be purchased</td> <td>88 ha</td> <td></td> <td></td> </tr> <tr> <td>Land to be hired</td> <td>93 ha</td> <td></td> <td></td> </tr> <tr> <td>House to be removed</td> <td>454 pcs.</td> <td></td> <td></td> </tr> </table>			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.		
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PRESENT STATUS	Completed or In Progress	Promoting	
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled	
<b>Description :</b>			
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.			

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# STUDY SUMMARY SHEET

## (Basic Study)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 501/80**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Local Roads Support Works in Seven Provinces		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Highways, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Development of information base on local roads		
<b>7. CONSULTANT(S)</b>	International Engineering Consultants Association Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Feb.1980	~	Jul.1980      5month(s)
<b>9. SITE OR AREA</b>	17 kabupatens in 7 provinces of Riau, Lampung, South Sumatra, North Sulawesi, South Sulawesi, Southeast Sulawesi and East Nusatenggara		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- Establishment of motorpool contributing to construction machinery.</li> <li>- Human resource development</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## 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



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 202B/81

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Low Cost Housing Project in Cengkareng		
<b>3. SECTOR</b>	Social Infrastructure	/ Architecture & Housing	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Development of residential land development and medium-rise housing in the Cengkareng area		
<b>7. CONSULTANT(S)</b>	Nihon Sekkei, Inc.		
<b>8. STUDY PERIOD</b>	Oct.1979	~	Feb.1981 16month(s)
<b>9. SITE OR AREA</b>	Cengkareng area of Jakarta		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; 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>&lt;F/S&gt;</p> <ul style="list-style-type: none"> <li>- medium-rise apartments (five-story)    880 units</li> <li>- two-story apartment flats                4,400 units</li> <li>- terrace houses (one-story)                1,500 units</li> <li>- detached houses                             770 units</li> <li>- related infrastructure development</li> </ul>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

Urban development is one of the urgent problems therefore high evaluation was given to low cost housing project by related persons in Indonesia.

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.

Situation:  
 NUDC is preparing new plan.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 203B/81

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development Project of the Port of Sorong		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P aiming the year 2000 F/S on the development of the port and harbour aiming the year 1985		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute		
<b>8. STUDY PERIOD</b>	May.1980 ~ May.1981 12month(s) ~		
<b>9. SITE OR AREA</b>	Irian,Irianjaya Prvince		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; The development and expansion of Sorong Port located at the western end of West Irian. Major projects in the long-term development plan through the year 2000 are; West port area - Construction of new one berth                   - Expansion of the existing concrete pier                   - Remodelling of wooden jetty East port area - Construction of new 6 parallel wharves</p> <p>Major projects in the medium-term development plan are; - Construction of one large wharf adjoining the existing concrete pier - Building of one warehouse - Purchasing of one tugboat and two forklifts</p> <p>&lt;F/S&gt;Item(Middle-term Development Plan)      Size Wharf                    L: 180m D: -10m Warehouse            40m, 100m Open storage yard      2900 sq.m</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

Subsequent Studies:  
 After the completion of F/S, the project was suspended.

1985 F/S was reviewed with Dutch assistance.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 204/81

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Improvement of Telephone Network in the City of Jakarta		
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	POSTEL,PERUMTEL	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To make outside plant expansion program for the Third Five-Year plan including the view of the long term planning, and to make a fundamental designing of telecommunication network in certain Jakarta areas.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1979 ~ Feb.1981 20month(s) ~		
<b>9. SITE OR AREA</b>	City of Jakarta		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<p><b>Description :</b></p> <p>&lt;F/S&gt;</p> <p>(1)Transmission System</p> <p>Finance:</p> <p>Sep.1981 L/A 3,960 mil yen(Expansion of the PCM system in Jakarta)</p> <p>Feb.1985 L/A 5,600 mil yen(Expansion of the PCM system in Jakarta 2)</p> <p>*Contents of OECF Loan</p> <p>The installations of optical fibre and PCM facilities, optical fibre cable and other additional equipment.</p> <p>Construction:</p> <p>Phase I May 1991 Completed</p> <p>Phase II Mar.1997~Feb.1992</p> <p>(Notes)</p> <p>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</p> <p>(FY 1994 Overseas Survey)</p> <p>Completed with the loan of German KFW provided after 1981.</p> <p>Impact:</p> <p>(FY 1997 Domestic Survey)</p> <p>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>&lt;M/P&gt;</p> <p>IBRD Project</p> <p>M/P proposed projects are included in WB Telecom III, IV projects.</p> <p>Mar.1990 WB L/A 698mUSD (Telecom III)</p> <p>(including 350mUSD by WB loan)</p> <p>1994 Construction completed</p> <p>Jul.1992 WB L/A 571mUSD (Telecom IV)</p> <p>(including 375mUSD by WB loan))</p> <p>1998 Construction was completed</p> <p>(FY 1997 Domestic Survey)</p> <p>All the proposed projects were implemented.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 303/81

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Langkemme Irrigation Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ministry of Public Works, Directorate General of Water Resources Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	1) Technical and economic feasibility study on Langkemme irrigation project. 2) Technical transfer and training to counterparts.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1980 ~ Mar.1981 8month(s) ~		
<b>9. SITE OR AREA</b>	Langkemme Area of South Slawesi Province (Investigated Area 8,000ha, Population 89,000 as of 1979)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	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.		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>  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 &amp; III:P.T. Pembangunan Perumahan  Package II &amp; IV:P.T. Brantas Abipraya  Package V:P.T. Brantas Abipraya and four others  Package VI:P.T. Pembangunan Perumahan</p> <p>Maintenance &amp; 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>		

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# STUDY SUMMARY SHEET

(F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 314/81

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Coastal Radio Communications Maritime Communication System		
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Directorate General of Sea Communications		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Make a long term development plan for the maritime communication system to meet the future needs up to the year 2000.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd.		
<b>8. STUDY PERIOD</b>	Feb.1981 ~ Mar.1981 1month ~		
<b>9. SITE OR AREA</b>	26 stations in whole country		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Short Term Development Program:</p> <ul style="list-style-type: none"> <li>- Improvement of Banjarmasin and the other class-A coast stations.</li> <li>- Provision of the NBD(Narrow Band Direct Printing) and DSC(Digital Selective Calling)equipments.</li> <li>- Improvement of Class-B coast stations (8 stations)</li> <li>- Improvement of SAR(Search and Rescue) facilities (9 stations)</li> </ul> <p>Long Term Development Program:</p> <ul style="list-style-type: none"> <li>-Improvement or establishment of coast station facilities.</li> <li>1) REPELITA V (107 stations)</li> <li>2) REPELITA VI(114 stations)</li> </ul> <ul style="list-style-type: none"> <li>- Improvement of SAR and DF facilities</li> <li>1) REPELITA V (15 stations)</li> <li>2) REPELITA VI(15 stations)</li> </ul>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

Promoting Factors:

- Effectiveness. Radio communication will positively affect the port construction plan.
- The counterpart agency has a strong influence over the decision.

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.

Provision of equipment for Jakarta, Surabaya, Belawan,Ujung Pandang, Ambon, Domai, Betung, Jayapura, Semarang, Solon and Melauke

Feb.1985 L/A 3,600 mil.Yen (Coastal Radio Project II)

Sep.1991 L/A 4,057 mil.Yen (Coastal Radio Project III)

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 316/81**

<b>1. COUNTRY</b>	Indonesia																						
<b>2. NAME OF STUDY</b>	Telecommunication Network in Developing Areas Surrounding Medan and Ujung Pandang																						
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S																				
<b>5.</b>	POSTEL PERUMTEL																						
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																							
<b>PRESENT COUNTERPART AGENCY</b>																							
<b>6. OBJECTIVES OF THE STUDY</b>	To clarify the feasibility for the project of establishing a telecommunication network in developing areas surrounding Medan and Ujung Pandang.																						
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.																						
<b>8. STUDY PERIOD</b>	Jun.1980	~	Feb.1981 8month(s)																				
<b>9. SITE OR AREA</b>	Sumatra North and Sulawesi South																						
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Contents</td> <td style="width: 15%;">Scale</td> <td colspan="2"></td> </tr> <tr> <td>Telephone Switching and</td> <td>Sumatra North</td> <td>48</td> <td>station</td> </tr> <tr> <td>Subscriber Cable</td> <td>Sulawesi South</td> <td>48</td> <td>station</td> </tr> <tr> <td>Transmission System</td> <td>Sumatra North</td> <td>53</td> <td>section</td> </tr> <tr> <td></td> <td>Sulawesi South</td> <td>25</td> <td>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																				

<b>PRESENT STATUS</b>	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 &amp; 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)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 317/81

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Jakarta Harbour Road Project		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate of Planning, Directorate General of Highway, Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Road planning		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Aug.1980	~	Nov.1981 15month(s)
<b>9. SITE OR AREA</b>	Jakarta		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>[Items] [Description]</p> <p>Total length 21.0km</p> <p>- Harbour Road (Pluit-Cilincing) 17.4km</p> <p>- Arterial Street (Tg. Priok Access) 3.6km</p> <p>Bridges 15 (Total length: 4.0km)</p> <p>Embankment 13.4km</p> <p>Viaducts 3.3km</p> <p>Interchange 7 places</p> <p>Flyover bridges 2</p> <p>Drainage facilities</p> <p>Construction of frontage roads, Relocation of existing roads, waterways</p> <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>		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**Description :**

(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

Subsequent Studies:  
Sep.1993 L/A 1,210 mil yen (E/S)  
Sep.1986 F/S reviewed  
Fall 1987 D/D completed

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.

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.)

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.

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.

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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 318/81**

<b>1. COUNTRY</b>	Indonesia																																			
<b>2. NAME OF STUDY</b>	Padang Airport Development																																			
<b>3. SECTOR</b>	Transportation / Air Transportation & Airport		<b>4. TYPE OF STUDY</b> F/S																																	
<b>5.</b>	Directorate General of Air Communication (DGAC)																																			
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																																				
<b>PRESENT COUNTERPART AGENCY</b>																																				
<b>6. OBJECTIVES OF THE STUDY</b>	Demand forecast for air transportation Airport equipment plan																																			
<b>7. CONSULTANT(S)</b>	Pacific Consultants International																																			
<b>8. STUDY PERIOD</b>	Jun.1981 ~ Jan.1982 7month(s) ~																																			
<b>9. SITE OR AREA</b>	Sumatra																																			
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 35%;">Phase I(1984-1987)</th> <th style="width: 35%;">Phase II(1994-1996)</th> </tr> </thead> <tbody> <tr> <td>Runway</td> <td>2,500m x 45m</td> <td></td> </tr> <tr> <td>Taxiway</td> <td>2,500m x 23m</td> <td></td> </tr> <tr> <td>Apron capacity</td> <td>7 berth</td> <td>8 berth</td> </tr> <tr> <td>Passenger terminal</td> <td>App.15,000sq.m</td> <td>App.31,500sq.m</td> </tr> <tr> <td>Cargo terminal</td> <td>App.2,900sq.m</td> <td>App.6,200sq.m</td> </tr> <tr> <td>Administration building</td> <td>1,800sq.m</td> <td>2,800sq.m</td> </tr> <tr> <td>Control tower</td> <td>App.60 sq.m</td> <td></td> </tr> <tr> <td>Car parking</td> <td>430 lots</td> <td>900lots</td> </tr> <tr> <td>Airport safety system</td> <td></td> <td></td> </tr> <tr> <td>Fuel storage</td> <td></td> <td></td> </tr> </tbody> </table>				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		
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PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>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.</p> <p>Padang airport is among the major 15 domestic airports in Indonesia, but its facilities are very poor, and need earliest implementation of the project.</p> <p>Subsequent Studies:  Feb.1985 L/A 780 mil.yen (Construction of Padang Airport E/S)  Feb.1987~May.1989 E/S</p> <p>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</p> <p>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.</p> <p>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.</p> <p>(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.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/A 102/82**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Post-Harvest Losses		
<b>3. SECTOR</b>	Agriculture / Agricultural Processing		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Agriculture, Just Committee of Cooperatives and Bulog	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	<p>The purpose of study are:</p> <p>1. To determine the loss in processing and make plan to reduce the loss; 2. To establish the methodology of loss reduction; and 3. Technology transfer to counterpart.</p>		
<b>7. CONSULTANT(S)</b>	Overseas Merchandise Inspection Co., Ltd.		
<b>8. STUDY PERIOD</b>	Aug.1981 ~ Nov.1982 15month(s) ~		
<b>9. SITE OR AREA</b>	Aceh, West Java, South Sulawesi, South Kalimantan		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Establishment of an organization in charge of improvement in post-harvest processing.</p> <p>2. Reinforcement of marketing and storage capacity of surplus rice in south Sulawesi.</p> <p>3. Reduction of discolored grains in Ache province especially Pidi county and North Ache County.</p> <p>4. Drying of paddy harvested in rainy season and cleaning of immature grains in 6 counties in the northern plain of West Java province.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 110/82**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Long Term Development Plan of Maritime Communication System		
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b>	M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea communications	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To make a long term development plan of maritime communication system for the safety of life at sea up to the year 2000.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd. The Japan Association for Preventing Marine Accidents		
<b>8. STUDY PERIOD</b>	Jun.1981 ~ Mar.1982 9month(s) ~		
<b>9. SITE OR AREA</b>	Whole country 26 stations		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 204B/82**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Urban/Suburban Railway Transportation in Jabotabek Area		
<b>3. SECTOR</b>	Transportation	/ Railway	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Comprehensive modernization planning of the conventional railway network in and around Jakarta City		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	May.1980 ~ Mar.1982 22month(s) ~		
<b>9. SITE OR AREA</b>	<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		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; - 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>&lt;F/S&gt;          (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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>Subsequent Studies &amp; Finance: (Main Work)</p> <p>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.</p> <p>*Components of OECF Loan</p> <p>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 )</p> <p>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)</p> <p>PHASE 3:Jun.1984 L/A (5,203 mil Yen for 1)One set of train (4 cars) 2)7 sets of diesel car)</p> <p>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) )</p> <p>*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)</p> <p>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 )</p> <p>*Refer to"Railway Improvement in Kampung Bandan Station Area"(IDN/S 327/85)</p> <p>PHASE 6:Dec.1987 L/A (13,565 mil Yen for 1)Track elevation (Area A) 2)Consulting Service )</p> <p>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)</p> <p>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 )</p> <p>*Refer to"Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area"(IDN/S 217B/90)</p> <p>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 )</p> <p>Construction: (F/S)</p> <p>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. (FY1995 Overseas Survey)</p> <p>*The following projects have been either completed or implemented.</p> <ol style="list-style-type: none"> <li>1.Improvement of 3 Depots and Workshop : Mar.1988-Sep.1990 (1,564 mil.Yen and Rp 4,046 mil.)</li> <li>2.Track Addition (Manggarai-Depok) : Aug.1989-Jul.1992 (2,064 mil.Yen and Rp 26,689 mil.)</li> <li>3.Electrification of Bekasi Line : Apr.1990-1994 (5,963 mil.Yen and Rp 24,468 mil.)</li> <li>4.Central Line Track Elevation : Feb.1988-Aug.1995 (19,269 mil.Yen and Rp 115,078 mil.)</li> <li>5.Kampungbandan Station Improvement : Jan.1991-Dec.1992 (634 mil.Yen and Rp 6,598 mil.)</li> <li>6.Kampungbandan Signalling Improvement : Sep.1992-Mar.1995 (1,062 mil.Yen and Rp 1,901 mil.)</li> <li>7.3-Line Signalling Improvement : May.1992-Oct.1994 (12,795 mil.Yen and Rp 25,944 mil.)</li> <li>8.Track Layout Improvement : Apr.1995-Feb.1998 (2,130 mil. Yen and Rp 32,598 mil.)</li> <li>9.Supply of Rolling Stock (Electric Railcar) : 1987-Jan.1998 (9,020 mil.Yen and Rp 247 mil.)</li> <li>10.Train Operation Control System on WL/EL : Apr.1996-Sep.1998 (4,333 mil.Yen (Estimated) ) and Rp 4,046 mil. (Estimated))</li> <li>11.Training Simulator : Oct.1996-Mar.1998 (347 mil.Yen (Estimated)</li> </ol> <p>*Total (55,089 mil.Yen and Rp 282,783 mil.)</p> <p>Effects: (FY 1996 Overseas Survey)</p> <ol style="list-style-type: none"> <li>1) Increase of number of trains, 2) Increase of railway passenger volume, 3) Reduction of train delay time, 4) Increase of passenger revenue, 5) Increase of safety of train operation, 6) Technical transfer of new technology, 7) Promotion of related industries, 8) Creation of job opportunities</li> </ol> <p>Details: (FY 1994 Domestic Survey)</p> <p>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.</p> <p>(FY 1996 Overseas Survey)</p> <p>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.</p> <p>(FY 1997 Overseas Survey)</p> <p>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.</p>		

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 205B/82

<b>1. COUNTRY</b>	Indonesia																																	
<b>2. NAME OF STUDY</b>	Telecommunications Network Development in the Eastern Part																																	
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b>	M/P+F/S																															
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	POSTEL/PERUMTEL																																
	<b>PRESENT COUNTERPART AGENCY</b>																																	
<b>6. OBJECTIVES OF THE STUDY</b>	Formulating the master plan for terrestrial transmission network improvement and expansion covering the eastern region. The master plan is a long term plan taking into consideration all foreseeable development up to the year 2005.																																	
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.																																	
<b>8. STUDY PERIOD</b>	Jan.1982 ~ Nov.1982 10month(s) ~																																	
<b>9. SITE OR AREA</b>	The Eastern Part of the Republic of Indonesia<M/P> Sulawesi<F/S>																																	
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; 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 terrestrial</p> <p>&lt;F/S&gt; 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> <table style="margin-left: 40px;"> <thead> <tr> <th></th> <th>Year</th> <th>Installation objective</th> <th>Number of Telephones</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Telephone Service</td> <td>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> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="3">Telegraph Service</td> <td>1989</td> <td>28,100 line units</td> <td></td> </tr> <tr> <td>1994</td> <td>41,300 line units</td> <td></td> </tr> <tr> <td>1999/2000</td> <td>62,900 line units</td> <td></td> </tr> </tbody> </table>				Year	Installation objective	Number of Telephones	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					Telegraph Service	1989	28,100 line units		1994	41,300 line units		1999/2000	62,900 line units	
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PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 304/82

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Komerling-1 Irrigation Development Project in the Upper Komerling River Basin		
<b>3. SECTOR</b>	Agriculture	/ (Agriculture in) General	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works, Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	F/S for Upper Komerling Basin Agriculture Study including water balance survey		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co, Ltd.		
<b>8. STUDY PERIOD</b>	Sep.1979 ~ Mar.1982 30month(s) ~		
<b>9. SITE OR AREA</b>	South-west part of South Sumatra Province and northern part of Lampung Province 50,600ha (Population 114,000)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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:  &lt;Stage I&gt;  Oct.1990 Commenced Oct.1996 Completed  &lt;Stage II&gt;  1996 Phase I commenced  (J/V of Taiwanese Consultant and Indian Consultant)  &lt;Stage III&gt;  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 &amp; 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&amp;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>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 305/82

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Rice Pest Forecasting and Control Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Directorate General of Food Crop Agriculture, Ministry of Agriculture		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of an overall development plan model for the Food Crop Protection System including a delineation of the pest forecasting control system and a staff education /training programme.		
<b>7. CONSULTANT(S)</b>	Chuo Kaihatsu Corporation		
<b>8. STUDY PERIOD</b>	Jan.1982 ~ Mar.1982 2month(s) ~		
<b>9. SITE OR AREA</b>	8 states including Aceh, Southern Sumatra, Lampung, Southern Kalimantan, Southern Sulawesi, Eastern Java, Central Java, and Western Java		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
<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>			

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 306/82

<b>1. COUNTRY</b>	Indonesia																									
<b>2. NAME OF STUDY</b>	Rice Seed Production and Distribution Project																									
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S																							
<b>5.</b>	Directorate General of Food Crops Agriculture.																									
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																										
<b>PRESENT COUNTERPART AGENCY</b>																										
<b>6. OBJECTIVES OF THE STUDY</b>	Improvement of quality of seed production and promotion of seed distribution and clarify their technological and economical justification, at the same time transfer of the technology and know-how to the officials of the government to be implemented.																									
<b>7. CONSULTANT(S)</b>	Overseas Merchandise Inspection Co., Ltd. Taiyo Consultants Co., Ltd.																									
<b>8. STUDY PERIOD</b>	Jan.1982 ~ Dec.1982 11month(s) ~																									
<b>9. SITE OR AREA</b>	D.I. Aceh, South Sumatra, Lampung																									
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1) Consolidation and Establishment of Seed Farm.</p> <table style="margin-left: 20px;"> <tr> <td></td> <td>Aceh</td> <td>South Sumatra</td> <td>Lampung</td> <td>(ha)</td> </tr> <tr> <td>C.S.F.</td> <td>19.0</td> <td>12.6</td> <td>16.0</td> <td></td> </tr> <tr> <td>M.S.F.</td> <td>8.3</td> <td>42.3</td> <td>33.3</td> <td></td> </tr> </table> <p>2) Construction of Seed Processing centers.</p> <table style="margin-left: 20px;"> <tr> <td>Area Size(ha)</td> <td>6.5</td> <td>5.7</td> <td>4.6</td> </tr> <tr> <td>The required amt. of E.S.</td> <td>3,139</td> <td>2,885</td> <td>3,137</td> </tr> </table> <p>3) Construction of Central Seed Storage.</p> <p>4) Establishment of seed distribution system.</p> <p>5) Establishment of S.C.C.S.(Seed Control and Certification Service)</p>				Aceh	South Sumatra	Lampung	(ha)	C.S.F.	19.0	12.6	16.0		M.S.F.	8.3	42.3	33.3		Area Size(ha)	6.5	5.7	4.6	The required amt. of E.S.	3,139	2,885	3,137
	Aceh	South Sumatra	Lampung	(ha)																						
C.S.F.	19.0	12.6	16.0																							
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PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>The following are the parts of a long term plan for food self sufficiency.</p> <ol style="list-style-type: none"> <li>1) Increase of production per unit area.</li> <li>2) Adaptation of paddy kinds to the change in production system.</li> <li>3) Distribution of economical and sound seeds.</li> </ol> <p>Subsequent Studies:</p> <p>Apr.1984 OECF appraisal mission</p> <p>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.</p> <p>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</p> <p>*Contents of OECF loan</p> <p>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 &amp; 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.</p> <p>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>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 307/82

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Bila Irrigation Project		
<b>3. SECTOR</b>	Agriculture	/ Irrigation, Drainage & Reclamation	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works, Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	F/S for south Sulawesi province Agriculture Development Technology transfer to Indonesian staff		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Nippon Giken Inc.		
<b>8. STUDY PERIOD</b>	Jun.1981 ~ Jun.1982 12month(s) ~		
<b>9. SITE OR AREA</b>	Bila of South Sulawesi Province (Investigated Area 20,000ha, Population 83,700 in 1980)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
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.			

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b> M/P 'Central South Sulawesi Water Resources Development Project'(107/79)</p> <p>Subsequent Studies: Jun.1984 L/A (E/S 550 mil yen)*1 Feb.1987~Dec.1988 D/D (Nippon Koei Co.)</p> <p>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 targetting 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 targetting 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 targetting 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.</p> <p>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.</p> <p>Maintenance &amp; 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.</p> <p>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.</p> <p>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.</p>		

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# STUDY SUMMARY SHEET

(F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 308/82

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

<b>PRESENT STATUS</b>	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)

Finance:  
World Bank

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.

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.

(FY 1997 Domestic Survey)  
Operation and maintenance are going on continuously.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 319/82

<b>1. COUNTRY</b>	Indonesia																		
<b>2. NAME OF STUDY</b>	Lower Jeneberang River Flood Control Project/Jeneberang River Flood Control Project (Phase II)																		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> F/S																
<b>5.</b>	Ministry of Public Works, Directorate General of Water Resources Development																		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																			
<b>PRESENT COUNTERPART AGENCY</b>																			
<b>6. OBJECTIVES OF THE STUDY</b>	1)Study of possibility of water resources development; 2)Formation of urgent plan of flood control and drainage improvement; and 3)Preliminary design of flood control and drainage improvement under urgent plan.																		
<b>7. CONSULTANT(S)</b>	CTI Engineering Co., Ltd.																		
<b>8. STUDY PERIOD</b>	Jun.1979 ~	Feb.1980	8month(s)																
	Jan.1981 ~	Mar.1982	14month(s)																
<b>9. SITE OR AREA</b>	Ujung Pandang City/Sulawesi																		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1)Dam and Reservoir</p> <table style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Crest length</th> <th style="text-align: center;">Crest width</th> <th style="text-align: center;">Crest elevation</th> </tr> </thead> <tbody> <tr> <td>Main</td> <td style="text-align: center;">670m</td> <td style="text-align: center;">10m</td> <td style="text-align: center;">EL105m</td> </tr> <tr> <td>Left wing</td> <td style="text-align: center;">752m</td> <td style="text-align: center;">10m</td> <td style="text-align: center;">EL105m</td> </tr> <tr> <td>Right wing</td> <td style="text-align: center;">440m</td> <td style="text-align: center;">10m</td> <td style="text-align: center;">EL105m</td> </tr> </tbody> </table> <p>2)River Improvement</p> <ul style="list-style-type: none"> <li>- Diversion Channel of S. Garassi(800m), Road Raising(3,000m), Drainage Ditch (12,000m)</li> </ul> <p>3)Water Supply</p> <ul style="list-style-type: none"> <li>- Intake construction; Pipeline Conveyance Facilities</li> </ul> <p>4)Irrigation System Improvement: Bili-Bili &amp; Kampili systems</p> <p>5)Construction of Hydro Power Station (floor 38m x 22m, 32m high)</p> <p style="margin-left: 20px;">Generating Equipment(Installed capacity 5,600KW x 2)</p>				Crest length	Crest width	Crest elevation	Main	670m	10m	EL105m	Left wing	752m	10m	EL105m	Right wing	440m	10m	EL105m
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<b>PRESENT STATUS</b>	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 &amp; Operation:

(FY 1996 Domestic Survey) The Jeneberang River Basin Development Project office is in charge of M&O. However, financial constraints hinder proper maintenance.

## Effect:

(FY 1996 Domestic Survey) 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.

(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: (i) Package1-rehabilitation of road, replacement of bridge (ii) 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)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 320/82**

<b>1. COUNTRY</b>	Indonesia																																										
<b>2. NAME OF STUDY</b>	Bali International Airport Development																																										
<b>3. SECTOR</b>	Transportation / Air Transportation & Airport		<b>4. TYPE OF STUDY</b> F/S																																								
<b>5.</b>	Directorate General of Air Communication																																										
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																																											
<b>PRESENT COUNTERPART AGENCY</b>																																											
<b>6. OBJECTIVES OF THE STUDY</b>	Airport planning																																										
<b>7. CONSULTANT(S)</b>	Pacific Consultants International																																										
<b>8. STUDY PERIOD</b>	Dec.1981 ~ Jul.1982 7month(s) ~																																										
<b>9. SITE OR AREA</b>	Bali Island																																										
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Short-Term(1990)</th> <th style="width: 20%;">Mid-Term(2000)</th> <th style="width: 30%;">Long-Term(2010)</th> </tr> </thead> <tbody> <tr> <td>Runway Extension:300m</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Runway Strip: Extension:300m/Widening:100m</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Taxiway: New Construction 2050m E:950m</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Apron Expansion:44,000sq.m</td> <td>Expansion:26,000sq.m</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Improvement:35,000sq.m</td> <td></td> <td></td> </tr> <tr> <td>International Terminal Bld. &amp; Renovation</td> <td>New Construction 12,500sq.m</td> <td>Expansion 7,000sq.m</td> <td>Expansion 10,500sq.m</td> </tr> <tr> <td>Domestic Terminal Bld.</td> <td>Renovation &amp; Expansion 10,000sq.m</td> <td>New Construction 15,000sq.m</td> <td>Expansion 13,000sq.m</td> </tr> <tr> <td>Cargo Terminal Bld.</td> <td>New Construction 2,800sq.m</td> <td>Expansion 1,500sq.m</td> <td>Expansion 3,500sq.m</td> </tr> <tr> <td>Administration Build.</td> <td>Construction of Control Tower</td> <td>New Construction 3,500sq.m</td> <td>-</td> </tr> </tbody> </table> <p>Note: Numbers in ( ) are the targetted years.</p>				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	-
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PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>Maintenance &amp; Operation of Airport:  P.T.Peyseyo Angkasa Pura-1 is in charge of M&amp;O. It is vigorously promoting various projects such as the expansion work of terminal buildings.</p> <p>(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.</p> <p>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 oppoutunity for the local people have been increased.</p> <p>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.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 111/83

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Electrification Project of Main Railway Lines in Java		
<b>3. SECTOR</b>	Transportation / Railway		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	Directorate General of Land Transport and Inland Waterways		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Drawing up of a M/P on electrification for trunk railway lines in Java.		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	May.1982 ~ Mar.1983 10month(s) ~		
<b>9. SITE OR AREA</b>	Java island trunk railway lines: Northern route Merak-Jakarta-Banyuwangi, Southern route Cikampek-Surabaya, Connecting route Cirebon-Kroya, etc		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 112/83**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Urban Development Planning on Gerbangketosusila Region (Surabaya Metropolitan Area)		
<b>3. SECTOR</b>	Social Infrastructure	/ Urban Planning & Land Development	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General Cipta Karya	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Urban planning		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Nov.1981	~ Mar.1983	16month(s)
<b>9. SITE OR AREA</b>	Surabaya and its vicinity		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 113/83**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	North Banten Water Resources Development		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Planning and Programing, Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To increase income of North Banten Area, especially of K-C-C Area.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1982	~ Jul.1983	12month(s)
<b>9. SITE OR AREA</b>	North Banten Area. West Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>- Karian dam, rockfill, 52m high, 218 million cu.m in effective cap.</li> <li>- Cilawan dam, concrete gravity, 28m high, 54 million cu.m tunnel from K.dam to Cibear</li> <li>- Trans-basin tunnel from Karian Dam to Cibeureum River</li> <li>- Trans-basin tunnel from Cilawan Dam to Cicinta River</li> <li>- River training 26km</li> <li>- Irrigation facilities to K-C-C area; one intake weir, waterway, irrigation canals, drainage canals</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 114/83**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Long Term Development Programs of the International Telecommunications		
<b>3. SECTOR</b>	Communications & Broadca / (Comms. & Broad. in) General	<b>4. TYPE OF STUDY</b> M/P	
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Post and Telecommunication	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	International Telecommunications Master Plan Preparation		
<b>7. CONSULTANT(S)</b>	Kokusai Denshin Denwa Co, Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1982 ~ Jun.1983	12month(s)	
<b>9. SITE OR AREA</b>	Jakarta, Medan and Surabaya		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The study proposed the following three measures.</p> <ol style="list-style-type: none"> <li>1) Expansion of the existing network by establishing new gateway stations in Jakarta and Medan, and later on in Surabaya</li> <li>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</li> <li>3) Establishment of a packet exchange data network to provide new telecommunication services</li> </ol>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## Finance:

(FY 1994 Overseas Survey)

PT.INDOSAT itself

## 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.

## 1) Introduction of digital international telephone exchanges:

installed in Mar. 1988

## 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

## 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)

(FY 1994 Overseas Survey)

## 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

## 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

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 206B/83**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development Project of Dumai Port		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P aiming the year 2000 Short-term development plan aiming the year 1985		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute		
<b>8. STUDY PERIOD</b>	Oct.1982 ~ Oct.1983 12month(s) ~		
<b>9. SITE OR AREA</b>	Sumatra,Riau Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; 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"> <li>- Palm oil wharf(dolphin type):2berths -12m&amp; -10m max, 35,000DWT</li> <li>- Wharf for foreign trade:6berths, -10m,15,000DWT</li> <li>- Wharf of passenger boats: 1berth, -8.5m,8,000GT</li> <li>- Warehouse and storage</li> <li>- Area for the storage and loading</li> </ul> <p>Major projects in the short-term development plan are :</p> <ul style="list-style-type: none"> <li>- Jetty berth : 500m</li> <li>- Dolphin berth : 1 berth (-12m)</li> <li>- New wharf : 3 berths (-10m)</li> <li>- Warehouse : 2</li> <li>- Development of open storage yard</li> </ul> <p>&lt;F/S&gt; 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"> <li>- Water supply, electric power, drainage</li> <li>- Navigation aid construction</li> </ul>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<p><b>Description :</b></p> <p>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.</p> <p>1987 Detailed design completed by scaling down the size of the berth for palm oil from 35,000 DWT to 5,000 DWT.</p> <p>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.</p> <p>Construction:  Jan.1992 started  Nov.1994 completed</p> <p>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.</p>		

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1986

Revised Sep.2010

**ASE IDN/S 207B/83**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Padang Area Flood Control Project		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a flood control and drainage plan to protect Padang city and its surrounding area from the expected present and future flood damages.		
<b>7. CONSULTANT(S)</b>	NIKKEN Consultants, Inc.		
<b>8. STUDY PERIOD</b>	Jan.1983	~	Dec.1983 11month(s)
<b>9. SITE OR AREA</b>	Padang, West Sumatra Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;(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 &amp; 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>&lt;F/S&gt;(1) Araw River and Tirak River</p> <p>1)excavation, dredging, embankment 2)wet masonry reventment</p> <p>3)drain sluiceway 4)bridge 5)groundsill work</p> <p>(2) Flood relief channel</p> <p>1)excavation,dredging, embankment 2)wet &amp; dry masonry reventment</p> <p>3)drain sluiceway, pump station 4)drainage culvent, bridge, syshon, diversion weir 5)drainage improvement</p> <p>(3) Kuranji, Balimbing, Laras River &amp; Laras retarding basin</p> <p>1)excavation, dredging, embankment 2)wet &amp; dry masonry reventment</p> <p>3)drain sluiceway 4)bridge 5)groundsill work</p> <p>6)drainage improvement</p> <p>(4) Air Dingin River</p> <p>1)excavation, embankment 2)wet masonry, reventment</p> <p>3)drain sluiceway 4)groundsill work</p>		

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 Konstruction (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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 309/83

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	K-C-C Irrigation Development Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ministry of Public Works, Directorate General of Water Resources Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Irrigation development for the existing rainfall rice field		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1982 ~ Jun.1983 11month(s) ~		
<b>9. SITE OR AREA</b>	Kopo, Cikande, Careng Districts, eastern part of North Banten (Investigated area 11,500 ha, Population 43,000)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	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		

<b>PRESENT STATUS</b>	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)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 321/83

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Urban Renewal Housing Project in Jakarta		
<b>3. SECTOR</b>	Social Infrastructure	/ Urban Planning & Land Development	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Housing, Building, Planning & Urban Development, Ministry of Public Works.		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Urban development plan.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Nihon Sekkei Inc.		
<b>8. STUDY PERIOD</b>	Jul.1982	~	Dec.1983 17month(s)
<b>9. SITE OR AREA</b>	Jakarta		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	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.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 208B/84**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Five-Year Plan for the Integrated Development of Radio and Television Broadcasting		
<b>3. SECTOR</b>	Communications & Broadca / (Comms. & Broad. in) General	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate Gneral of Radio, Television and Film (RTF)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a long-term development plan through 2000 and identification and evaluation of short-term development projects.		
<b>7. CONSULTANT(S)</b>	NHK Integrated Technology		
<b>8. STUDY PERIOD</b>	Jul.1983 ~ Dec.1984 17month(s) ~		
<b>9. SITE OR AREA</b>	The entire country		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;1) TV Republic Indonesia (National TV Station)          2) Radio Republic Indonesia(National Radio Station)          &lt;F/S&gt;- 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 studies 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>		

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.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 209B/84**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Jakarta Water Supply Development Project		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Water Supply implementation plan for the target year of 2005.		
<b>7. CONSULTANT(S)</b>	Nihon Suido Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1983 ~ Mar.1984	9month(s)	
	Jun.1984 ~ Mar.1985	9month(s)	
<b>9. SITE OR AREA</b>	Jakarta City(emergency portion & Stage 2-Phase1)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;</p> <p>1. Emergency Plan</p> <p>1-1 Rehabilitation &amp; improvement construction project(1985-1990)</p> <p>1) Replacement/installation of water meters</p> <p>2) Rehabilitation of distribution pipelines to reduce the unaccounted-for-water 3) Leakage protection survey plan</p> <p>1-2 Short term improvement plan/project(1985-1989)</p> <p>1) Chlorine dosing facility improvement</p> <p>2) Installation of distribution branch pipes</p> <p>1-3 The Emergency plan/project</p> <p>1) Construction of new water treatment plant and trunk main pipes to transmit water to existing service area</p> <p>2. Expansion plan(3,000 l/s each)</p> <p>2-1 West Tarum canal system 2-2 Cisadane river system</p> <p>3. Project financed by the World Bank</p> <p>3-1 Prompt execution of West Tarum canal expansion project</p> <p>3-2 Prompt execution of transmission pipeline to convey water from new intake site to existing water treatment plant</p> <p>&lt;F/S&gt;Intake/ Eastside West Tarum Canal 3.2cu.m/s; Westside Cisadane river</p> <p>3.2cu.m/s Raw water pipe/ Westside D:1,500,16.5km</p> <p>Treatment plant/ Eastside Buaran plant 3.0cu.m/s; Westside Lebadbulus</p> <p>plant 3.0cu.m/s Transmission main Eastside No.of pumps/ 6</p> <p>pipe D:1,500-D:1,650 X 16.3km; Westside Gravity flow D:1,200 X 9.1km</p> <p>Distribution/ Eastside Reservoir X 2, pump X 6,</p> <p>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</p>		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**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 3m<sup>3</sup>/s to 2.8m<sup>3</sup>/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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 322/84

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Nusa Tenggara Area Terrestrial Transmission Network Project		
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ditjen Postel		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate the Nusa Tenggara Area Terrestrial Transmission Network Construction plan and evaluate its feasibility		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Aug.1983 ~ Feb.1984 6month(s) ~		
<b>9. SITE OR AREA</b>	Nusa Tenggara Area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

## Subsequent Studies:

(FY 1994 Overseas survey)

French contractor uses this JICA study as a reference for their D/D.

## 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)

## Construction:

(FY 1996 Domestic Survey)

Apr.1994~Aug.1996 Completed

## 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.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 323/84

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	New Railway Line for Cengkareng Airport		
<b>3. SECTOR</b>	Transportation	/ Railway	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Land Transport and Inland Waterways		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Construction project for a new railway line between Cengkareng Airport and the center of Jakarta.		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	Jul.1982 ~ Aug.1984 25month(s) ~		
<b>9. SITE OR AREA</b>	Section between the center of Jakarta and Cengkareng Airport		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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> <p>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.</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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.

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.

(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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

(F/S)

Compiled Mar.1986

Revised Sep.2010

ASE IDN/S 324/84

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Grade Separated Crossing in Manggarai Station, Improvements on Merak Line and Track Addition and Other Improvements on Tangerang Line		
<b>3. SECTOR</b>	Transportation / Railway		<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Land Transport and Inland Waterways		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Grade separation of Manggarai station Track addition of the Merak line Track addition of the Tangerang line		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	Jul.1983 ~ Jun.1984 11month(s) ~		
<b>9. SITE OR AREA</b>	JABOTABEK area (Around Manggarai station, regions along the Merak and Tangerang lines)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>(1)Grade separation of Manggarai station:</p> <p>1)Station Facilities: station building, passageway, platform, platformshed;</p> <p>2)Railway Structure: reinforced concrete(RC) viaduct, RC hox culvert, new bridge, embankment and RC retaining wall;</p> <p>3)Drainage Facilities;</p> <p>4)Electric, Signalling and Telecommunication facilities.</p> <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"> <li>- Rehabilitation of the track and road level crossings.</li> <li>- Replacement of the R3 rail to R14A rail(Merak Line)</li> <li>- Replacement of 25kg/m rail to UIC54 rail (Tangerang Line)</li> </ul> <p>2nd Stage: Expansion</p> <ul style="list-style-type: none"> <li>- Improvement of electric, signalling and telecommunication.</li> </ul> <p>3rd Stage:Track Doubling</p> <ul style="list-style-type: none"> <li>- Track addition and completion of rehabilitation work.</li> <li>- Improvement of access roads to the stations and station front plazas.</li> </ul>		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**Description :**

(1)Grade Separated Crossing in Manggarai Station  
Subsequent Studies:  
1987~1988 D/D  
Consulting Firm/PCI,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 complementary 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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 325/84**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Volcanic Debris Control and Water Conservation Project in the Southeastern Slope of Mt. Semeru		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	F/S for the project to prevent the volcanic debris flow in the southeastern slope of Mt.Semeru.		
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd. Asia Air Survey Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1982 ~ Dec.1984 33month(s) ~		
<b>9. SITE OR AREA</b>	Lumajan, East Java		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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 &amp; 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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 115/85**

<b>1. COUNTRY</b>	Indonesia																																
<b>2. NAME OF STUDY</b>	Master Plan on the Development of Aids to Navigation System																																
<b>3. SECTOR</b>	Transportation / Marine Transportation & Ships		<b>4. TYPE OF STUDY</b> M/P																														
<b>5.</b>	Directorate General of Sea Communications																																
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																																	
<b>PRESENT COUNTERPART AGENCY</b>																																	
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a long-term development plan through 2000 and identification of short-term projects through 1989																																
<b>7. CONSULTANT(S)</b>	Japan Association for Aids to Navigation																																
<b>8. STUDY PERIOD</b>	Feb.1984	~	Mar.1985 13month(s)																														
<b>9. SITE OR AREA</b>	the entire country																																
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Long-term</th> <th style="width: 20%; text-align: center;">Short-term</th> </tr> </thead> <tbody> <tr> <td>Light-wave signals</td> <td></td> <td></td> </tr> <tr> <td>  Lighthouses(land)</td> <td style="text-align: center;">190</td> <td style="text-align: center;">69 (35)</td> </tr> <tr> <td>  Floating lighthouses(sea)</td> <td style="text-align: center;">11</td> <td style="text-align: center;">2</td> </tr> <tr> <td>  light signals</td> <td style="text-align: center;">335</td> <td style="text-align: center;">131 (81)</td> </tr> <tr> <td>  Floating-type light signals</td> <td style="text-align: center;">18</td> <td style="text-align: center;">8</td> </tr> <tr> <td>  Floats</td> <td style="text-align: center;">350</td> <td style="text-align: center;">249 (222)</td> </tr> <tr> <td>Radio-wave signals</td> <td></td> <td></td> </tr> <tr> <td>  Medium-wave beacon stations</td> <td style="text-align: center;">39</td> <td style="text-align: center;">17</td> </tr> <tr> <td>  Radar beacon stations</td> <td style="text-align: center;">67</td> <td style="text-align: center;">28 (8)</td> </tr> </tbody> </table>				Long-term	Short-term	Light-wave signals			Lighthouses(land)	190	69 (35)	Floating lighthouses(sea)	11	2	light signals	335	131 (81)	Floating-type light signals	18	8	Floats	350	249 (222)	Radio-wave signals			Medium-wave beacon stations	39	17	Radar beacon stations	67	28 (8)
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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.

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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.

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1988

Revised Sep.2010

ASE IDN/S 116/85

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Lower Asahan River Basin Development		
<b>3. SECTOR</b>	Social Infrastructure / Water Resources Development		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	IPU	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Flood Control		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Yachiyo Engineering Co., Ltd. NIKKEN Consultants, Inc.		
<b>8. STUDY PERIOD</b>	Oct.1984 ~ Sep.1985	11month(s)	
<b>9. SITE OR AREA</b>	North Sumatra		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>In Land and water resources in the lower Asahan river basin, master plan for flood control sector was firelty 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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 117/85**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Rural Telecommunications Network		
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b> M/P	
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	POSTEL,PERUMTEL	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To establish long-term plan for the Rural Telecommunication Network.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1984	~	Aug.1985 14month(s)
<b>9. SITE OR AREA</b>	Whole country		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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.



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 210B/85**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Ujung Pandang Water Supply Development Project		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Human Settlement (Cipta Karya), Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P with target year of 2005, and F/S for the first phase.		
<b>7. CONSULTANT(S)</b>	Nihon Suido Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1984	~	Oct.1985 15month(s) ~
<b>9. SITE OR AREA</b>	Ujung Pandang		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;            First phase plan: two 500 l/s water treatment plants taking raw water from Jeneberang river, transmission/distribution pipes, and rehabilitation.            Second phase plan: two 1,000 l/s water treatment plants taking raw water from Bili Bili Dam to be constructed in the future, as well as transmission/distribution pipes.</p> <p>&lt;F/S&gt;Contents                      Size            Intake facility            1.1cu.m/s, pipe-dl, 100X20.5km            (intake, grit chamber, raw-trans-pipe)            Treatment facility        1cu.m/s,            (new water treatment plant, receiving well, sedimentation tank, filtration basin, water reservoir)            Distribution facility      No. of pump: 6            (distribution pump,        Pipe D300-D1,000X51km            main/branch pipes)        D150-D250X82km               D50-D100X255km               Total 338km, public tap 1,600</p> Rehabilitation            Transmission canal, treatment plant, distribution pipes		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**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 2,000l/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.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 211B/85**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Widas Flood Control and Drainage Project		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works, Directorate General of Water Resources Development, Directorate of Rivers	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Water supply Flood control Water management		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. NIKKEN Consultants, Inc.		
<b>8. STUDY PERIOD</b>	Jul.1984 ~ Mar.1986 20month(s) ~		
<b>9. SITE OR AREA</b>	Brantas River Basin in East Java Province<M/P> Nganjuk District, East Java Province<F/S>		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<M/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 <F/S> Irrigation Net irrigation area       2,599ha Main canal/2nd and 3rd canal   8km/98km Storage dam               /place Flood Control Catchment area           1,538 sq.km Design Flood           25year flood Stretches to be improved       81.8km in total Retarding basin           3 places(23.5MCM) Short-cut                1 place (2.9 km) Cost 1) pertains to irrigation and Cost 2) to flood control		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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

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)\*  
 \*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)

Construction:  
 (FY 1997 Domestic Survey)  
 Jun.1994~2000 (schedule)  
 Contractor / Kashima

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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1988

Revised Sep.2010

ASE IDN/S 326/85

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Karian Multipurpose Dam Construction Project		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Optimum use of limited water resources		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1984	~	Jul.1985 12month(s)
		~	
<b>9. SITE OR AREA</b>	Banten area, West Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<p><b>Description :</b>  Subsequent Studies:  Jun.1993-Mar.1995 F/S undertaken.  'Ciujung - 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 Ciujung and Cidurian), starting from June 1993. The construction of the Karian Dam is being planned after the completion of the study.</p> <p>(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 (Ciujung - 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)/</p> <p>(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 Ciujung-Cidurian IWR-D study in order to review and update the past plan.</p> <p>(FY 1995 Domestic Survey)  Based on the results of the Ciujung-Cidurian Integrated Water Resources Development Study, it is recommended to conduct the Karian Dam in order to supply water for Sekung and Tangelang provinces as for its main target until the year of 2002.</p> <p>(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.</p> <p>(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.</p> <p>(FY 1997 Overseas Survey)  Diretoratre General of Water Resources Development is to submit tae request for implementing the SAPROF by OECF in 1998-99.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1988

Revised Sep.2010

ASE IDN/S 327/85

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Railway Improvement in Kampung Bandan Station Area		
<b>3. SECTOR</b>	Transportation	/ Railway	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Land Transport and Inland Waterways		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Railway improvement in the Kampung Bandan station area		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	Oct.1984	~	Jan.1986 15month(s)
<b>9. SITE OR AREA</b>	JABOTABEK area(In and around the Kampung Bandan station area)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	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)

Compiled Mar.1988

Revised Sep.2010

ASE IDN/S 328/85

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Electrification Project of Main Line in Java		
<b>3. SECTOR</b>	Transportation	/ Railway	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Land Transport and Inland Waterways		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	AC electrification project between Jakarta and Cirebon and Between Cikampek and Bandung		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	Dec.1984 ~ Feb.1986 14month(s) ~		
<b>9. SITE OR AREA</b>	Sections between Jakarta and Cirebon and between Jakarta and Bandung, western Java island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	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		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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.

(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.

(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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1988

Revised Sep.2010

ASE IDN/S 329/85

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Local Road Development		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Public Works, Directorate General of Highways		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Road plan Formulation		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Kyowa Engineering Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Oct.1984 ~ Mar.1986 17month(s) ~		
<b>9. SITE OR AREA</b>	38 Provinces in 10 states(19,000km in road length)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>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.</p> <p>(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 targetted area (10 provinces).            Construction:            Aug.1991 Completed.</p> <p>(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.</p> <p>(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</p> <p>Other information:            (FY 1998 Overseas Survey)            All the proposed projects are covered by Phase I, II, and III.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1988

Revised Sep.2010

ASE IDN/S 330/85

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Improvement Project of Telephone Network in Medan, Semarang and Solo		
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	POSTEL, PERUMTEL		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate long-term telephone network plans for three cities of Medan, Semarang and Solo with 2005 as final year.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Nov.1984 ~ Oct.1985 11month(s) ~		
<b>9. SITE OR AREA</b>	Medan, Semarang and Solo		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></p> <p>Subsequent Studies:  "Local Calble Network Expansion project in Seven Cities" was identified with World Bank assistance during 1987-1989. This project includes Medan and Semarang.</p> <p>Finance:  Medan:ADB finance  Semarang:IBRD and own finance  Solo:IBRD finance for the project to be scheduled</p> <p>(FY 1994 Ovreseas 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)</p> <p>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</p> <p>Maintenance &amp; Operation:  (FY 1996 Domestic Survey)  PT.TELKOM and the consotium formed at KSO are in charge of management. No Problem has risen so far.</p> <p>(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, Primkoppapostel).  Period of commission: 15 years from 1 Jan. 1996.  Situation: KSO (Joint Operation Scheme).</p> <p>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.</p> <p>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.</p>		

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# STUDY SUMMARY SHEET

## (Basic Study)

Compiled Mar.1988

Revised Sep.2010

**ASE IDN/S 502/85**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Topographic Mapping Project for Upper Stream Area of Negara Basin, South Kalimantan		
<b>3. SECTOR</b>	Social Infrastructure / Survey & Mapping		<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Planning and Programming, Directorate General of Water Resource Development, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To prepare the 1:50,000 topographic maps covering an area of 6,500 sq.km in upper stream of Negara river basin.		
<b>7. CONSULTANT(S)</b>	International Engineering Consultants Association		
<b>8. STUDY PERIOD</b>	Feb.1983 ~ Jan.1986 35month(s) ~		
<b>9. SITE OR AREA</b>	The upstream basin of River Negara in South Kalimantan (6,500 sq.km for mapping)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	Preparation of national base maps (scale: 1/50,000 9 plates)		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (Basic Study)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/A 502/85**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Mosaic Photomap Project of the Downstream Area of the Negara River Basin in South Kalimantan		
<b>3. SECTOR</b>	Agriculture	/ (Agriculture in) General	<b>4. TYPE OF STUDY</b> Basic Study
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Preparation of master plan for agricultural development.		
<b>7. CONSULTANT(S)</b>	Asia Air Survey Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1983	~	Jul.1986 36month(s)
<b>9. SITE OR AREA</b>	Kalimantan Island, downstream area of the Negara River Basin in South Kalimantan		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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

## (M/P)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 118/86**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Long Term Planning for Development of Telecommunications System		
<b>3. SECTOR</b>	Communications & Broadca / (Comms. & Broad. in) General	<b>4. TYPE OF STUDY</b>	M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	POSTEL,PERUMTEL	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Development of the telecommunication network and services up to the year 2004.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd. Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.1986 ~ Feb.1987	13month(s)	
<b>9. SITE OR AREA</b>	The entire country		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)Dec8.1987 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)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 212B/86**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development Plan of the Port of Semarang (Phase II)		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	F/S on the long-term and short-term development plan of Semarang Port		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute		
<b>8. STUDY PERIOD</b>	May.1985 ~ Aug.1986 15month(s) ~		
<b>9. SITE OR AREA</b>	Semarang, and its environs, Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;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 &amp; steel and scrap 400 m Widening and deepening of west channel. New center and east channel</p> <p>&lt;F/S&gt;Urgent Development Plan toward 1990.</p> <p>(1)Required Berths</p> <ul style="list-style-type: none"> <li>- wharf for foreign trade <ul style="list-style-type: none"> <li>-10m wharf: 345m</li> <li>-7.5m wharf: 100m</li> </ul> </li> <li>- Passenger terminal: 150m (multi-purpose)</li> <li>- coal wharf: 150m</li> <li>- Fertilizer wharf: 150m</li> <li>- Wharf for steel materials: 100m</li> </ul> <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>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

Subsequent Studies:

Mar.1987 L/A (E/S 545 mil.Yen)  
 Nov.1989 E/S of the Phase II completed

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)

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.

(FY 1996 Overseas Survey)

1995~1998 Being implemented (Stage I and II)

(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.

Detail:

1987 Part of the western breakwater (part of the Phase I project) was destroyed by high waves.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 213B/86**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Airport Development Project in Central Java and Jogjakarta		
<b>3. SECTOR</b>	Transportation	/ Air Transportation & Airport	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Air communication	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Airport facilities		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Aug.1985 ~ Nov.1986 15month(s) ~		
<b>9. SITE OR AREA</b>	1) jogjakarta, 2) Surakarta		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P,F/S&gt; 1) Jogjakarta 2) Surakarta</p> <p>Runway 2,500m X 45m 390 X 45m(Extension) (New construction)</p> <p>Apron 41,000sq.m 20,000sq.m</p> <p>Passenger 12,000sq.m 7,700sq.m</p> <p>Terminal</p> <p>Air Navigation(ILS CAT-1), Supply Management facilities</p> <p>Systems</p>		

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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 331/86

<b>1. COUNTRY</b>	Indonesia																		
<b>2. NAME OF STUDY</b>	Surabaya-Banjarmasin Submarine Cable Project																		
<b>3. SECTOR</b>	Communications & Broadcasti / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S																
<b>5.</b>	POSTEL,PERUMTEL																		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																			
<b>PRESENT COUNTERPART AGENCY</b>																			
<b>6. OBJECTIVES OF THE STUDY</b>	To examine technical and economical/financial Feasibilities of Surabaya-Banjarmasin submarine cable project																		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd. Kokusai Denshin Denwa Co, Ltd. Sanyo Techno Marine, Inc.																		
<b>8. STUDY PERIOD</b>	Dec.1985 ~ Aug.1986 8month(s) ~																		
<b>9. SITE OR AREA</b>	Surabaya and Banjarmasin																		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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																

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(1) Alternative route for Kalimantan-Java            (2) Digitalization and expansion of 2nd Java-Bali Route</p> <p>Finance:            Jan.1987 L/A (Surabaya-Banjarmasin Optical Fiber Submarine Cable Project 7,946 mil.Yen)            D/D undertaken by KDD</p> <p>Construction:            Dec.19.1989 Constructuin contract signed            May.1990 Construction started            Feb.1992 Construction completed</p> <p>Realized project:            1.Basic distribution system            2.Optical fiber cable (389km)            3.Digital ultrasonic wave system (137km)</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/A 103/87**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Multiplication and Distribution of Improved Soybean Seed and Seed Potato		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Crop production Bureau, Ministry of Agriculture	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Multiplication and distribution of improved Soybean Seed and Seed Potato.		
<b>7. CONSULTANT(S)</b>	Overseas Merchandise Inspection Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1987 ~ Sep.1987 2month(s) ~		
<b>9. SITE OR AREA</b>	Soybean --- East Java Potato --- West Java		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>To reinforce followings in order to produce seeds for soybeans and potatos:</p> <ol style="list-style-type: none"> <li>1) Fostering seed producing farmers;</li> <li>2) Improving seed processing and storage facilities;</li> <li>3) Promoting seed distribution; and</li> <li>4) Strengthening administration system for seed multiplication and distribution</li> </ol> <ol style="list-style-type: none"> <li>a) Field for foundation seed/registered seed;</li> <li>b) Seed inspection; and</li> <li>c) Training activities.</li> </ol> <p>(Note) Cost1) is for soybeans and Cost 2 for potatoes.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

1.Potato  
 Subsequent Study:  
 (FY 1997 Overseas Survey)  
 Nov.26.1989~Dec.3 (JICA)

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

Project implemented:  
 Improvement of the farm for foundation seed potatoes completed.  
 Consulting Firm / PCI  
 (FY 1997 Overseas Survey)  
 Oct.1.1991~Sep.30.1992

\*Project Type Technical Cooperation:  
 Training Project of Indonesian seed multiplication.  
 (1992.10.1~1997.9.30)

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).

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.

Finance:  
 Jul.11.1995 E/N 980 mil.Yen (Multiplication and Distribution of High-quality Soybean Seed)

\*Project-Type Technical Cooperation:  
 "Quality Soybean Seed Multiplication and Training Project".  
 (Jul.1.1996~Jun.30.2001)

Detail:  
 The Ministry of Agriculture has been in preparation for the improvement of the production system of soybeans.

(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)

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 119/87**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Arterial Road System Development Study in Jakarta Metropolitan Area		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Arterial Road System Development Study in Jakarta Metropolitan Area.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Nov.1984	~ Sep.1987	34month(s)
<b>9. SITE OR AREA</b>	Jakarta metropolitan area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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)</p> <p>2) Major Arterial Street Development Program: 7 routes (240,957 million)</p> <p>3) Arterial Street Development Program in the Newly Urbanized Area 22 routes (18,424 million)</p> <p>4) Present Traffic Problem Oriented Program: 12 routes (354,454 million)</p> <p>5) East-West Connection Improvement Program: 2 routes (38,363 million)</p> <p>6) North-South Axis Strengthening Program: 2 routes (40,685 million)</p> <p>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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 120/87**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Regional Development Project in the Western Part of Java		
<b>3. SECTOR</b>	Tourism / (Tourism in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Development of Tourism, Post and Tele- communication, Directorate General of Tourism	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a Master Plan of tourism projects to promote regional development		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Mitsubishi Research Institute Inc.		
<b>8. STUDY PERIOD</b>	Jul.1986 ~ Feb.1988 19month(s) ~		
<b>9. SITE OR AREA</b>	Two Kabupatens of Serang and Pandeglang and the Krakatau Islands of Kab.Lampung Selatan		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- Main facilities: Restoration of the old moats, Museum, Bird sanctuary, Heritage garden, etc.</li> <li>- Construction cost: Rp. 11.5 billion</li> </ul> <p>(2) Beach Resort(priority project)</p> <ul style="list-style-type: none"> <li>- Main facilities: Marina, International standard hotels &amp; condominiums, Golf ground, etc.</li> <li>- Development cost: Rp.219 billion (total) (Stage 1: Rp.115 billion/ Stage 2: Rp.104 billion)</li> </ul> <p>(3) Tropical Marine Park</p> <ul style="list-style-type: none"> <li>- Main facilities: Aguarium, Dolphin show pool, Maritime museum, etc.</li> </ul> <p>(4) Ujung Kulon and Krakatan Islands</p> <ul style="list-style-type: none"> <li>- Main facilities: Guest house, Jetties, Observation towers, Camping grounds, Sea garden, etc.</li> </ul> <p>(5) Country park</p> <ul style="list-style-type: none"> <li>- Main facilities: Camping site, Sports fields, Gymnasium, Model farm, etc.</li> </ul> <p>(6) Kur Park</p> <ul style="list-style-type: none"> <li>- Main facilities: Hotel &amp; Restaurant, Swimming pool, Open air theater, etc.</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 121/87

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Future Demand of the Inter-Island Traffic		
<b>3. SECTOR</b>	Transportation / Air Transportation & Airport		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Assessment and Application of Technology (BBTP)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Preliminary estimation of the demands of Air Transport for 7 regions of whole country.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Central Consultant, Inc.		
<b>8. STUDY PERIOD</b>	Dec.1986 ~ Mar.1988 15month(s) ~		
<b>9. SITE OR AREA</b>	Whole country of Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
<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>			

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 332/87

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Solid Waste Management System Improvement Project in the City of Jakarta		
<b>3. SECTOR</b>	Public Utilities	/ Urban Sanitation	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Public Works, Jakarta Municipality, Department of Human Settlements		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Master plan for improvement of solid waster management system, and feasibility study for the first priority project.		
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd. EX CORPORATION Urban & Environment Planning, Research and Consulting		
<b>8. STUDY PERIOD</b>	Dec.1985 ~ Nov.1987 23month(s) ~		
<b>9. SITE OR AREA</b>	Central District of Jakarta City		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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 Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
(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.		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

(F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 333/87

<b>1. COUNTRY</b>	Indonesia								
<b>2. NAME OF STUDY</b>	Trans-Sumatra Terrestrial Digital Transmission System								
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S						
<b>5.</b>	POSTEL,PT. TELKOM								
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>									
<b>PRESENT COUNTERPART AGENCY</b>									
<b>6. OBJECTIVES OF THE STUDY</b>	To verify technical and economic feasibility for trans-Sumatra Terrestrial Digital Transmission System and links major cities in Sumatra island and Jakarta.								
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd. Yachiyo Engineering Co., Ltd. Nippon Sogo Architects and Engineers								
<b>8. STUDY PERIOD</b>	Jan.1987 ~ Mar.1988 14month(s) ~								
<b>9. SITE OR AREA</b>	Jakarta and Padang, Medan and Banda Aceh								
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Contents</td> <td>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								

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>Reasons for realizing the project:  (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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 122/88**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Ujung Pandang Area Highway Development Study		
<b>3. SECTOR</b>	Transportation / Urban Transportation		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Highways, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Road network development		
<b>7. CONSULTANT(S)</b>	Central Consultant, Inc. Chodai Co., Ltd.		
<b>8. STUDY PERIOD</b>	Nov.1987 ~ Mar.1989 16month(s) ~		
<b>9. SITE OR AREA</b>	Ujung Pandang City and its adjacent area, South Sulawesi		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**  
 Middle Ring Road & Central Radial Road  
 (FY1998 Overseas Survey)  
 Subsequent Studies:  
 1996-1997 D/D  
 Finance:  
 Own Fund(APBN)  
 Difference JICA's Proposal

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.  
 (FY1993 Overseas Survey)  
 The priority of the project has been low.

(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.

(FY 1997 Domestic Survey)  
 Request for fund has not made yet due to the low priority put to the project.

(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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 123/88

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Maritime Safety Plan Concerning Search and Rescue		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communications, Ministry of Communications	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Development of the maritime safety and search and rescue system		
<b>7. CONSULTANT(S)</b>	The Japan Association for Preventing Marine Accidents Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Oct.1987	~ Dec.1988	14month(s)
<b>9. SITE OR AREA</b>	The entire sea around Indonesia and major ports		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>- Procurement of search and rescue vessels and establishment of telecommunication between the vessels and coastal stations</li> <li>- Establishment of a training center</li> <li>- Improvement of port traffic control systems (Jakarta and Surabaya)</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 214B/88**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Flood Control Plan of the Upper Citarum Basin		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Rivers(DOR), Directorate General of Water Resources Development (DGWRD)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a master plan through 2005 and identification and evaluation of urgent flood control projects.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	May.1987 ~ Dec.1988 19month(s) ~		
<b>9. SITE OR AREA</b>	Bandung (study area of 1,771 sq.km)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;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)</p> <p>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>&lt;F/S&gt;-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>		

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 Jatluhur 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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/A 310/88

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Batang Kumu Irrigation Project in Riau Province		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Directorate General of Water Resources Development, Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	F/S		
<b>7. CONSULTANT(S)</b>	Japan Irrigation and Reclamation Consultants Co, Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1985 ~ Mar.1986 9month(s) May.1988 ~ Jan.1989 8month(s)		
<b>9. SITE OR AREA</b>	Tambusai District, Kampar Regency, Riau Province, Sumatra Island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	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 Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>  (FY 1998 Overseas Survey)  Due to change in land utilization to Oil palm , this project was canceled.</p> <p>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.</p> <p>Finance:  Construction is scheduled to be implemented with Yen Loan after the completion of D/D. (FY 1996 Domestic Survey)</p> <p>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.</p> <p>(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.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 334/88

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Kalimantan-Sulawesi Submarine Cable System		
<b>3. SECTOR</b>	Communications & Broadcasti/ Telecommunication	<b>4. TYPE OF STUDY</b>	F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Posts and Telecommunication (POSTEL) Perum, Telekomunikasi Headquarters(PERUMTEL)		
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Execution of Ocean Survey (Phase 2) based on S/W and study results of Phase 1 of this project.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd. Sanyo Techno Marine, Inc.		
<b>8. STUDY PERIOD</b>	Aug.1987 ~ Oct.1988 14month(s) ~		
<b>9. SITE OR AREA</b>	Ocean Area between Kalimantan and Sulawesi in regard to the Submarine Cable Construction Project		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>1. Banjarmasin---Takisung====Lamalaka-----Ujung Pandang</li> <li>2. Banjarmasin---Takisung====Balang-----Ujung Pandang</li> <li>3. Banjarmasin---Takisung====Bojo Pare Pare---Ujung Pandang</li> <li>4. Banjarmasin---Lemaru====Towaja-----Ujung Pandang</li> </ol>		

<b>PRESENT STATUS</b>	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)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 335/88

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Disaster Prevention Project in the Southeastern Slope of Mt. Galunggung		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Water Resources Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>			
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1987 ~ Nov.1988 17month(s) ~		
<b>9. SITE OR AREA</b>	Southeastern slope (550 sq.km) of Mt.Galunggung, Kabupaten Tasikmalaya, West Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ol style="list-style-type: none"> <li>1) Maintenance of sand pockets (as expansion of the height of wall for existing 12km long sand pocket)</li> <li>2) Stabilization of river channels within the sand pockets (to construct for 12km expansion of the existing dike)</li> <li>3) Construction of 34 Sabo dams in the southern slope</li> <li>4) Drainage works for the crater lake (to construct new 2m 700m long tunnel)</li> <li>5) Establishment of the early warning and evacuation system</li> <li>6) Utilization of accumulated sediment</li> </ol>		

<b>PRESENT STATUS</b>	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. Galunggury 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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

ASE IDN/S 336/88

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Implementation of Intra-City Digital Microwave Subscriber System		
<b>3. SECTOR</b>	Communications & Broadcast / Telecommunication	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Directorate General of Post and Telecommunications		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Services for the subscribers		
<b>7. CONSULTANT(S)</b>	NTT International Corporation		
<b>8. STUDY PERIOD</b>	Mar.1988	~	Jan.1989 10month(s)
<b>9. SITE OR AREA</b>	Jakarta City		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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</p> <ul style="list-style-type: none"> <li>- Subject areas: 18 areas in Jakarta</li> <li>- Subject subscribers: approx. 200 subscribers</li> <li>- Subject lines: approx. 15,000 lines.</li> </ul> <p>3) Establishment of a new maintenance system.</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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.

Detail:

The proposed project has been delayed due to the above-mentioned reasons.

(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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1990

Revised Sep.2010

**ASE IDN/S 337/88**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Urgent Bali Beach Conservation Project		
<b>3. SECTOR</b>	Social Infrastructure / River & Erosion Control		<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate of Rivers, Directorate General of Water Resources Development(DGWRD)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Protection from Beach Erosion		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. INA Corporation		
<b>8. STUDY PERIOD</b>	Jan.1988 ~ Mar.1989 14month(s) ~		
<b>9. SITE OR AREA</b>	Three beaches of the southern coast of Bali Island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
- 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.			

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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

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.

Construction:

(FY 1996 Domestic Survey)  
 Dec.1990 Scheduled to be commenced.

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.

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/A 104/89**

<b>1. COUNTRY</b>	Indonesia																																						
<b>2. NAME OF STUDY</b>	Negara River Basin Overall Irrigation Development Plan																																						
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General		<b>4. TYPE OF STUDY</b> M/P																																				
<b>5.</b>	Directorate General of Water Resources Development, Ministry of Public Works																																						
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																																							
<b>PRESENT COUNTERPART AGENCY</b>																																							
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of the development strategy in Negara River Basin, South Kalimantan.																																						
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.																																						
<b>8. STUDY PERIOD</b>	Mar.1988 ~ Jul.1989 16month(s) ~																																						
<b>9. SITE OR AREA</b>	Negara River Basin, South Kalimantan Province (Study Area 12,683 sq.km)																																						
<b>10. MAJOR PROPOSED PROJECT(S)</b>																																							
<p>The following four package projects which are composed of 76 schemes are formulated for the period from Repelita V to Repelita X, ie. 30 years for 1989/90-2018/19 period.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Project</th> <th style="text-align: center;">Irrigation Scheme</th> <th style="text-align: center;">Drainage Scheme</th> <th style="text-align: center;">Polder Scheme</th> <th style="text-align: center;">Aquaculture Scheme</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>1. Negara Pilot Project</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">5</td> </tr> <tr> <td>2. NIDUP</td> <td style="text-align: center;">5</td> <td style="text-align: center;">18</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">24</td> </tr> <tr> <td>3. UNADP</td> <td style="text-align: center;">15</td> <td style="text-align: center;">8</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">28</td> </tr> <tr> <td>4. LNADP</td> <td style="text-align: center;">9</td> <td style="text-align: center;">9</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">19</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">30</td> <td style="text-align: center;">38</td> <td style="text-align: center;">5</td> <td style="text-align: center;">3</td> <td style="text-align: center;">76</td> </tr> </tbody> </table> <p>NIDUP; Negara Irrigation and Drainage Upgrading Project            UNADP; Upper Negara Agricultural Development Project            LNADP; Lower Negara Agricultural Development Project</p> <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>				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
Project	Irrigation Scheme	Drainage Scheme	Polder Scheme	Aquaculture Scheme	Total																																		
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4. LNADP	9	9	0	1	19																																		
Total	30	38	5	3	76																																		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

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 Karimantan was that of not expected, therefore Japanese side hesitates to approve this project.

Detail:  
 Technical Assistance for the Negara Pilot Project will be requested to Japanese Government.

(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.

(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.

(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.

(FY 1999 Overseas Survey)  
 No information.

(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.

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/A 105/89**

<b>1. COUNTRY</b>	Indonesia																																															
<b>2. NAME OF STUDY</b>	Improvement of Rice Post Harvest and Marketing in Farmer Groups																																															
<b>3. SECTOR</b>	Agriculture / Agricultural Processing		<b>4. TYPE OF STUDY</b> M/P																																													
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Food Crops Agriculture, Ministry of Agriculture(DGFCA)																																														
	<b>PRESENT COUNTERPART AGENCY</b>																																															
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of the Pilot Plan of Rice Post Harvest and Marketing in Farmer Group.																																															
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.																																															
<b>8. STUDY PERIOD</b>	Nov.1988 ~ Oct.1989 11month(s) ~																																															
<b>9. SITE OR AREA</b>	Java Barat, Java Timur, Lampung and Sulawesi Selatan Provinces																																															
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="5">Pilot Plans</td> </tr> <tr> <td>Pilot Area</td> <td>Telagasari</td> <td>Bagor</td> <td>Mattiro Bulu</td> <td>Trimurjo</td> </tr> <tr> <td>1.Location</td> <td>Cadas</td> <td>Selorejo</td> <td>Marannu</td> <td>Purwodadi</td> </tr> <tr> <td></td> <td colspan="4">Kertajaya</td> </tr> <tr> <td>2.Paddy field(ha)</td> <td>119</td> <td>109</td> <td>105</td> <td>157</td> </tr> <tr> <td>3.Nos.of Farmer</td> <td>172</td> <td>363</td> <td>87</td> <td>254</td> </tr> <tr> <td>4.Cropping Intesity</td> <td colspan="4"></td> </tr> <tr> <td>Wet season</td> <td>100%</td> <td>90%</td> <td>100%</td> <td>100%</td> </tr> <tr> <td>Dry season</td> <td>100%</td> <td>80%</td> <td>70%</td> <td>100%</td> </tr> </table>			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 Intesity					Wet season	100%	90%	100%	100%	Dry season	100%	80%	70%	100%
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<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(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.

(FY 1994 Domestic Survey)

Waiting for the official request from the Indonesian Government after suitable modification.

(FY 1994 Overseas Survey)

Indonesian Side wants to implement this project.

(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.

(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.

(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.

(FY 1999 Overseas Survey)

There are no subsequent study and procurement of fund provided to this project.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/S 125/89**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Regional Development Plan for the Northern Part of Sumatra		
<b>3. SECTOR</b>	Development Plan	/ Integrated Regional Development Plan	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	Directorate General of Human Settlements, Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Long-term planning (1989-2008) and preparatory study of priority projects.		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1988	~ Mar.1990	24month(s)
<b>9. SITE OR AREA</b>	Four provinces of northern Sumatra(Aceh, North Sumatra, West Sumatra and Riau)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/S 215B/89**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Kemayoran Urban Housing Development Project		
<b>3. SECTOR</b>	Social Infrastructure	/ Urban Planning & Land Development	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Human Settlements Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To conduct of F/S on Housing and Redevelopment of Kemayoran Airport vacant lot and urban area.		
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd. JCP Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1988 ~ Mar.1990 20month(s) ~		
<b>9. SITE OR AREA</b>	Within ex-airport project site: 133 hectare Outside ex-airport project site: 4 site 19 hectare		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;</p> <p>(1)Development Plan within ex-airport area</p> <p style="margin-left: 20px;">(a) for low income group</p> <p style="margin-left: 20px;">(b) for general use (totald to 14,500 units)</p> <p style="margin-left: 20px;">(c) for urban amenities and infrastructure arrangement</p> <p>(2) Housing renewal plan in neighborhood area of ex-airport</p> <p>(3) Development of methodology of urban renewal</p> <p>The M/P assumes that the hosing 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>&lt;F/S&gt;</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>		

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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1991

Revised Sep.2010

**ASE IDN/S 216B/89**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Radio and Television Servicing System Project		
<b>3. SECTOR</b>	Communications & Broadca / Broadcasting	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	RTF, Ministry of Information	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate Integrated Radio and Television Servicing System Project covering the entire country and F/S corresponding to Repelita V.		
<b>7. CONSULTANT(S)</b>	NHK Integrated Technology Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Apr.1989 ~ Mar.1990 11month(s) ~		
<b>9. SITE OR AREA</b>	Throughout Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;The following projects will be suggested by the year of 1999.</p> <ul style="list-style-type: none"> <li>(1) Rehabilitation of 8 High Radio Stations</li> <li>(2) Rehabilitation of 5 TV transmitting stations</li> <li>(3) Establishment of a Maintenance System (7 maintenance bases)</li> <li>(4) Improvement of Engineering Communication Network (48 radio stations, 100 TV stations)</li> <li>(5) Introduction of TV Up-Links (2 TV stations)</li> <li>(6) Improvement of Programme Transmission Lines (48 radio stations)</li> <li>(7) Additional Construction of MW facilities at SW-Only stations (10 stations)</li> <li>(8) Rehabilitation of studies at Regional Radio Stations (22 stations)</li> <li>(9) Improvement of RN-I Network (10 stations)</li> <li>(10)Improvement of TVN-I Network (50 stations)</li> </ul> <p>&lt;F/S&gt;</p> <ul style="list-style-type: none"> <li>(1) Rehabilitation of 8 High Radio Stations</li> <li>(2) Rehabilitation of 5 TV transmitting stations</li> <li>(3) Establishment of a Maintenance System (Maintenance Center)</li> <li>(4) Improvement of Radio Programme Transmission Line, Engineering Communication Network and Introduction of TV Up-Links</li> <li>(5) Additional Construction of MW Facilities at SW-only stations (5 stations)</li> <li>(6) Rehabilitation of studies at Regional Radio Stations (4 stations)</li> </ul>		

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 extention 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) .

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1991  
Revised Sep.2010

**ASE IDN/S 217/89**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Long-Term and Medium-Term Plan for Telecommunications Network in Jabotabek Area		
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Postal, Perumtel	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	The Long-term and medium-term plan for telecommunications network in JABOTABEK Area.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1988	~	Jul.1989 12month(s)
<b>9. SITE OR AREA</b>	JABOTABEK Area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>-Junction Section (17sections including 2 sections for suburbs)</li> <li>-Optical Fibre Cable Transmission System : 15 sections (127.4km)</li> <li>-Radio Transmission System : 2 sections (19km BEK-CL; 14km TAN-CKP)</li> </ul> <p>The target planning year for the sub-systems:</p> <ul style="list-style-type: none"> <li>Muldex..... 1994</li> <li>Optical fibre...1999</li> <li>Radio.....1994</li> <li>Power.....1999</li> </ul> <p>Imp. Period : 1) shows for the original plan, and 2) shows for the revised plan</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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)

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)

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1991

Revised Sep.2010

ASE IDN/A 311/89

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Industrial Plantation Forest Development Plan in South Sumatra Area		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Ministry of Forestry		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	This F/S is prepared to clarify the financial and economic feasibility of this plan in order to contribute to the promotion of industrial plantation development and the improvement of the planning capability.		
<b>7. CONSULTANT(S)</b>	Japan Forest Technical Association		
<b>8. STUDY PERIOD</b>	Nov.1988 ~ Mar.1990 16month(s) ~		
<b>9. SITE OR AREA</b>	Benakat Area in South Sumatra Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>According to the Fifth 5 year Development Plan(Repelita 1989/90-1993/94), the enlargement of re-afforestation and the increase of timber production have been proposed in 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 opportunites. 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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1991

Revised Sep.2010

ASE IDN/S 338/89

<b>1. COUNTRY</b>	Indonesia						
<b>2. NAME OF STUDY</b>	Cikampek-Cirebon Tollway Project						
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S				
<b>5.</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b></td> <td>Bina Marga Jisa Marga</td> </tr> <tr> <td><b>PRESENT COUNTERPART AGENCY</b></td> <td></td> </tr> </table>			<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Bina Marga Jisa Marga	<b>PRESENT COUNTERPART AGENCY</b>	
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Bina Marga Jisa Marga						
<b>PRESENT COUNTERPART AGENCY</b>							
<b>6. OBJECTIVES OF THE STUDY</b>	To determine feasibility of constructing tollway.						
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Yachiyo Engineering Co., Ltd. Pasco International Inc.						
<b>8. STUDY PERIOD</b>	Sep.1988 ~ Mar.1990 18month(s) ~						
<b>9. SITE OR AREA</b>	Route area between Cikampek-Cirebon and surrounding area						
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>						

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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</p> <p style="padding-left: 40px;">Investor</p> <p>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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1992

Revised Sep.2010

**ASE IDN/S 126/90**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Airport Maintenance and Rehabilitation		
<b>3. SECTOR</b>	Transportation / Air Transportation & Airport		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Air Communications (DGAC)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Preparation of M/P for maintenance and rehabilitation for 10 airports selected from 20.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Jan.1990	~ Mar.1991	14month(s)
<b>9. SITE OR AREA</b>	Selected 10 Airports		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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, Navaid's 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.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1992

Revised Sep.2010

ASE IDN/A 201B/90

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Master Plan Study on Lower Asahan River Basin Development		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Ministry of Public Works (DGWRD)		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of agricultural development M/P in line with the flood control projects. In-depth study on top priority project selected in the M/P Study.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. NIKKEN Consultants, Inc. Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1989 ~ Jun.1990 12month(s) ~		
<b>9. SITE OR AREA</b>	<M/P> Kabupaten Asahan in North Sumatra Province <F/S> Silau-Bunut Area in Kabupaten Asahan, North Sumatra Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; Among study area of 6,000 km<sup>2</sup>, the following ten projects are formulated:</p> <ul style="list-style-type: none"> <li>(i) Silau-Bunut rehabilitation irrigation project (14,300ha)</li> <li>(ii) Padang Mahondang irrigation extension project (6,200ha)</li> <li>(iii) Kanopan left bank drainage improvement project (4,300ha)</li> <li>(iv) Small-scale irrigation package project (7,200ha)</li> <li>(v) Aek Natas irrigation project (4,200ha)</li> <li>(vi) Aek Naetek irrigation project (3,500ha)</li> <li>(vii) Kualuh right bank irrigation project (2,400ha)</li> <li>(viii) Tambun Tulang swamp development project (5,800ha)</li> <li>(ix) Simpang Empat swamp development project (2,800ha)</li> <li>(x) Leldong-Asahan swamp development project (45,600ha)</li> </ul> <p>&lt;F/S&gt;</p> <ul style="list-style-type: none"> <li>1. Construction of an inter-basin water transfer canal from the Silau to the Bunun</li> <li>2. Construction of an integrated diversion weir on the Silau</li> <li>3. Rehabilitation of 3 existing weirs on the Silau</li> <li>4. 60km rehabilitation and 110km construction of irrigation canal</li> <li>5. Rehabilitation/New construction of drainage canal of 180km</li> <li>6. Construction of farm road network (about 350km)</li> <li>7. Construction of on-farm facilities(about 9,500ha)</li> <li>8. Construction of flood protection dike (34km)</li> </ul>		

<b>PRESENT STATUS</b>	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.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1992

Revised Sep.2010

**ASE IDN/S 217B/90**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Transportation System Improvement by Railway and Feeder Service in Jabotabek Area		
<b>3. SECTOR</b>	Transportation / Railway	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	PHBD, Indonesia	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P of integrated development system intended for railroad of JABOTABEK area. F/S for urgent project based on the M/P.		
<b>7. CONSULTANT(S)</b>	Japan Railway Technical Service Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Nov.1988 ~ Aug.1990 21month(s) ~		
<b>9. SITE OR AREA</b>	JABOTABEK Area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; 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.</p> <p>In this regard, the following recommendations were made toward the organic harmony of the railway and road plans.</p> <p>(1) Select an optimum pattern taking into consideration the reinforcement plans of the railway and roads.</p> <p>(2) Propose a master plan for reinforcement that should be done by the railway side based on the above optimum pattern.</p> <p>(3) Based on (2), projects to be urgently implemented were selected.</p> <p>&lt;F/S&gt;deals with the following urgent projects.</p> <p>(1) Improvement of feeder services and facilities of the three stations. (Pasar Senen, Jatinegara, Kemayoram)</p> <ul style="list-style-type: none"> <li>- Separate pedestrians and motor vehicles on roads near station.</li> <li>- Expand roads leading to stations; Establish signals and overpasses.</li> <li>- Set up bus bays in station plazas.</li> </ul> <p>An improvement plan was drawn up for the three most important stations selected from 63 stations.</p> <p>(2) Station facilities improvement</p> <ul style="list-style-type: none"> <li>- station building, platform, overbridge, platform shed</li> </ul> <p>Station facilities to be improved are closely related to feeder services, therefore it is effective to make the improvements of station facilities simultaneously with the improvements in feeder services.</p> <p>(3)Grade separation of the Easter Line</p> <ul style="list-style-type: none"> <li>- track elevation, flyover system</li> </ul>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
<p>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.</p> <p>(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))</p> <p>*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</p> <p>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.</p> <p>(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)</p> <p>(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.</p> <p>(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)</p> <p>(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.</p>		

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1992

Revised Sep.2010

**ASE IDN/S 218B/90**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas		
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General Posts and Telecommunications	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	The long-term and medium-term plan for telecommunications network in Surabaya and surrounding areas.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Sep.1988 ~ Dec.1990 27month(s) ~		
<b>9. SITE OR AREA</b>	Surabaya and its surrounding area (GERBANGKERTOSUSILA) and Jombang		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; Long-term plan (2004) :</p> <ul style="list-style-type: none"> <li>- Surabaya Multi-Exchange Area               <ul style="list-style-type: none"> <li>1)Expansion of Surabaya multi-exchange area</li> <li>2)Provision of Telephone Exchange capacity up to 408000 line unit (Telephone Density: 8.0/100)</li> <li>3)Establishment of Route Diversity Configuration for Junction Network</li> </ul> </li> <li>- Surrounding Area               <ul style="list-style-type: none"> <li>1)Improvement of Telephone Density in Kabupaten capitals up to 8.0/100 inhabitants</li> <li>2)Provision of Automatic Telephone Service to all villages (DESA).</li> </ul> </li> </ul> <p>&lt;F/S&gt;</p> <ul style="list-style-type: none"> <li>1. Expansion of Junction Network in Surabaya Multi-exchange Area               <ul style="list-style-type: none"> <li>1) Fiber-optic transmission system : 13 new sections, expansion of 13 existing sections.(140 Mbit/s)</li> <li>2) Microwave system upgraded : 1 hop (87 bit/s to 34 Mbit/s system)</li> </ul> </li> <li>2. Improvement of Trunk Network               <ul style="list-style-type: none"> <li>1) Installation of new microwave link : 1.5 Ghz 8 Mbit/s system; 5 hops.</li> <li>2 GHz 34 Mbit/s system; 4 hops</li> <li>2) Microwave system upgrading : 4 hops (8 Mbit/s to 34 Mbit/s system)</li> </ul> </li> <li>3. Improvement of Rural Area Network               <ul style="list-style-type: none"> <li>9 base stations, 64 radio subscriber terminals, 1,700 subscribers.</li> </ul> </li> </ul> <p>Imp. Period : 1) shows for the original plan, and 2) shows for the revised plan.</p>		

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.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1992

Revised Sep.2010

**ASE IDN/S 219B/90**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Urban Drainage and Waste Water Disposal Project in the City of Jakarta		
<b>3. SECTOR</b>	Public Utilities	/ Sewerage	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	CIPTA KARYA DKI JAKARTA	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) To prepare a M/P on urban drainage and wastewater disposal in the city of Jakarta with the target year of 2010. 2) To conduct a F/S for the priority areas selected in the M/P.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Sep.1989 ~ Feb.1991 17month(s) ~		
<b>9. SITE OR AREA</b>	DKI Jakarta 650 sq.km <M/P> Urban Drainage: 38 sq.km Wastewater Disposal: 43 sq.km <F/S>		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<M/P> (1) Urban Drainage: Canal Improvement: L=76.1km New Channel Construction: L=11.4km Pump Station Installation: 2 stations 8.7 cub.m/s capacity (2) Wastewater Disposal: The Study Area is divided into three areas based on the areal population density as follows: Area A: Simple On-site Treatment System Development Area B: High level On-site Treatment System Development Area C: Sewerage Development The capacity of sewerage treatment system in 2010 is 1252000 cub.m/d and total proposed sewer length is 2223km. <F/S> (1) Urban Drainage: Channel Improvement: L=27.4km Revetment works: L=46km Bridge improvement: 15 places (2) Wastewater Disposal: Sewer lines -Conveyance sewer: dia.1900 - 2900mm L=10.34km -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		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(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))</p> <p>(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).</p> <p>*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.</p> <p>Situation:  1) Urban Drainage  The Government of Indonesia will implement the proposed project as a supplementary to the existing on-going project.</p> <p>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.</p> <p>(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.</p> <p>(FY 1995 Domestic Survey)  Review for F/S is continuously carried out.</p> <p>(FY 1999 Domestic Survey)  No further information was gained.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1992

Revised Sep.2010

ASE IDN/A 312/90

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Air Selagan Irrigation Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Irrigation II, Directorate General of Water-Resources Development, Ministry of Public Works.	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To conduct a F/S on the irrigation Project of the Air Selagan area, about 23,000ha.		
<b>7. CONSULTANT(S)</b>	Japan Irrigation and Reclamation Consultants Co, Ltd. Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Aug.1989 ~ Nov.1990 15month(s) ~		
<b>9. SITE OR AREA</b>	14,800ha on the Selagan River in kec. Muko-Muko Utara, Kab. Bangkulu Utara, Bengkulu Province.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>(1) Construction of weir,</li> <li>(2) Construction of irrigation and drainage facilities,</li> <li>(3) Construction of inspection roads and connecting roads,</li> <li>(4) Construction of tertiary networks,</li> <li>(5) Reclamation of new farm lands,</li> <li>(6) Construction of O&amp;M facilities and,</li> <li>(7) Construction of small-scale hydro-power station,</li> </ol>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

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# STUDY SUMMARY SHEET

(F/S)

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Revised Sep.2010

ASE IDN/S 339/90

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Bogor-Bandung Road Project		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Highways Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Development of road network to serve the increasing traffic demand and regional development.		
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd. Oriental Consultants Co., LTD. KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Mar.1989 ~ Nov.1990 20month(s) ~		
<b>9. SITE OR AREA</b>	West Java Province, Java Island, Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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 bewteen 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 devises such as guard fences, safety mirrors, window central median strip, etc.</p>		

<b>PRESENT STATUS</b>	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)

Compiled Mar.1992

Revised Sep.2010

ASE IDN/S 340/90

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Maintenance Dredging in the Access Channel of Banjarmasin Port		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Sea Communication, Ministry of Communication		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Development of siltation countermeasures in the access channel and effective planning and management of maintenance dredging.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute TETRA Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1988 ~ Mar.1991 36month(s) ~		
<b>9. SITE OR AREA</b>	Banjarmasin Port and the surrounding area, South Kalimantan		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(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.</p> <p>(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.</p> <p>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).</p> <p>(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.</p> <p>(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.</p> <p>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.</p> <p>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.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1993

Revised Sep.2010

ASE IDN/S 220B/91

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Belawan-Padang Integrated River Basin Development		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Planning & Programming, Directorate General of Water Resources Development, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1)To formulate a M/P of integrated river basin development of the integrated river basins from Belawan to Padang, focusing on flood control and water utilization; and 2)To conduct a F/S on urgent projects based on ranking of priority.		
<b>7. CONSULTANT(S)</b>	CTI Engineering Co., Ltd. Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Mar.1990 ~ Mar.1992 24month(s) ~		
<b>9. SITE OR AREA</b>	Integrated river basins between Belawan and Padang rivers of approx. 5,800km <sup>2</sup>		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;(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>&lt;F/S&gt;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 below, 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>		

<b>PRESENT STATUS</b>	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.

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1993

Revised Sep.2010

ASE IDN/A 313/91

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Nias Island Irrigation and Agricultural Development Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ministry of Public Works, Directorate General of Water Resources Development (DGWRD)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To evaluate the feasibility of the irrigated agricultural development project in the Nias Island, in the framework of the Nias Island integrated development program.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Aug.1990 ~ Aug.1991 12month(s) ~		
<b>9. SITE OR AREA</b>	Kabupaten Nias, North Sumatra province, 4,000 km <sup>2</sup> , 560,000 persons in 1989		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1993

Revised Sep.2010

ASE IDN/S 341/91

<b>1. COUNTRY</b>	Indonesia								
<b>2. NAME OF STUDY</b>	Surabaya - Mojokerto Toll Road Project								
<b>3. SECTOR</b>	Transportation / Road		<b>4. TYPE OF STUDY</b> F/S						
<b>5.</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b></td> <td colspan="2">Bina Marga Jasa Marga</td> </tr> <tr> <td><b>PRESENT COUNTERPART AGENCY</b></td> <td colspan="2">BAPPEDA</td> </tr> </table>			<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Bina Marga Jasa Marga		<b>PRESENT COUNTERPART AGENCY</b>	BAPPEDA	
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Bina Marga Jasa Marga								
<b>PRESENT COUNTERPART AGENCY</b>	BAPPEDA								
<b>6. OBJECTIVES OF THE STUDY</b>	To examine feasibility of constructing/operating toll road.								
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Pasco International Inc.								
<b>8. STUDY PERIOD</b>	Aug.1990 ~ Oct.1991 14month(s) ~								
<b>9. SITE OR AREA</b>	Area between Surabaya-Mojokerto corridor and surrounding area								
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>								

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1994

Revised Sep.2010

**ASE IDN/S 106/92**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Telecommunications Network Development Plan for Repelita-VI		
<b>3. SECTOR</b>	Communications & Broadca / Telecommunication	<b>4. TYPE OF STUDY</b> M/P	
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General, Posts and Telecommunications, PT. TELKOM	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a telecommunications network development plan for Repelita-VI according to the telecommunications long-term development policy.		
<b>7. CONSULTANT(S)</b>	Nippon Telecommunication Consulting Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1992 ~ Jan.1993	10month(s)	
<b>9. SITE OR AREA</b>	Whole territory of the Rep. of Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
	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		
<b>Total</b>	<b>87</b>	<b>7,611.31</b>	
1) Excluding FM Total Amount already included in PJ cost of "area PJ packages"			

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Apr.1993

Revised Sep.2010

**ASE IDN/S 127/92**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Regional Development Plan for the Southern Part of Sumatra		
<b>3. SECTOR</b>	Development Plan	/ Integrated Regional Development Plan	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directions General of Human Settlements, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a development plan (1990-2010) and identification of priority areas and projects.		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1991	~ Mar.1993	24month(s)
<b>9. SITE OR AREA</b>	Four provinces of the southern part of Sumatra (Jambi, South Sumatra, Bengkulu and Lampung) Population: 15.5 million, Area: 218,000 sq.km		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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 Traingle 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.

Smatra Eastern Coastal Road (Lamong, 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)

Compiled Mar.1994

Revised Sep.2010

**ASE IDN/S 221B/92**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development of Coastal Roads in East Coast of Sumatra		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate of Planning, Directorate General of highways, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To prepare a basic plan for a regional trunk road network which will interconnect the principal on east coast of Sumatra (design year: 2010). To conduct a F/S for the prioritized road section.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Oct.1991 ~ Dec.1992 14month(s) ~		
<b>9. SITE OR AREA</b>	Kayuagung ~ Menggala Section (Road Length: 180km)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;</p> <p>The basic policy of a master plan (year:2010)</p> <ul style="list-style-type: none"> <li>-The road will connect main city with the other cities in the Region.</li> <li>-The road development will mainly consist of improvement of existing roads.</li> <li>-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).</li> </ul> <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>&lt;F/S&gt;</p> <p>1) Road rehabilitation Works</p> <ul style="list-style-type: none"> <li>- Total Length: 183km</li> <li>- Number of Lanes: Before 1-lane, 4.5m width and Width, After 2-lane, 2x3.5=7.0m</li> <li>- Shoulder Width: Before 1.0m, After 2.0m</li> <li>- Pavement: Asphalt Pavement:</li> </ul> <ul style="list-style-type: none"> <li>Existing paved road with overlay pavement.</li> <li>Widened road sections and road sections with improved horizontal and vertical alignment with new pavement.</li> </ul> <p>2) Bridge Replacement Works: Tulang Bawang, Pedada Bridge</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	Discontinued or Cancelled
<p><b>Description :</b></p> <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:  &lt;M/P&gt;  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>&lt;F/S&gt;  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 BAPPENAS 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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1994

Revised Sep.2010

**ASE IDN/S 222B/92**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Development of the Nationwide Ferry Service Routes		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Communications, Directorate General of Land Transport and Inland Waterways.	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To conduct a M/P study on the nationwide ferry service route and formulate short term development plan and F/S on highly prioritized project.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Jan.1992 ~ Mar.1993 14month(s) ~		
<b>9. SITE OR AREA</b>	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		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt;</p> <p>1. Existing routes (3 routes) The construction of a ferry terminal at a new site is proposed. (No. 9 route)</p> <p>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.</p> <p>&lt;F/S&gt;</p> <p>4 Priority routes were selected as follows; Mokmer - Saubeba (No. 2) / Terong - Lewoleba (No. 3) / Bajoe - Kolaka (No. 8) / Palembang - Muntok (No. 9)</p> <p>1. Construction of breakwater: Mokmer, Saubeba, Muntok 2. Reclamation work for passenger terminal and parking lots: Bajoe, Kolaka 3. Dredging: Mokmer, Bajoe</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

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.

Construction:  
 (FY 1999 Overseas Survey)  
 Under preparation for bidding.

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.

(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.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1994

Revised Sep.2010

ASE IDN/A 314/92

<b>1. COUNTRY</b>	Indonesia														
<b>2. NAME OF STUDY</b>	Land Development Project: Improvement of Land and Irrigation Systems at Farm Level														
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S												
<b>5.</b>	Directorate General of Food Crops Agriculture, Ministry of Agriculture														
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>															
<b>PRESENT COUNTERPART AGENCY</b>															
<b>6. OBJECTIVES OF THE STUDY</b>	To conduct a F/S in order to formulate the land development project- improvement of land and irrigation systems at farm level - for existing farm irrigation area in three provinces (North Sumatra, South Sulawesi and West Nusa Tenggara)														
<b>7. CONSULTANT(S)</b>	Japan Irrigation and Reclamation Consultants Co, Ltd. Nippon Giken Inc.														
<b>8. STUDY PERIOD</b>	Feb.1991 ~ Sep.1992 19month(s) ~														
<b>9. SITE OR AREA</b>	North Sumatra Province, South Sulawesi Province and West Nusa Tenggara														
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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 &amp; 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
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Upgrading of irrigation/drainage facilities	310 schemes														

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
<p>(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.</p> <p>Finance: (FY 1999 Overseas Survey) Mar.1994 Own fund *Contents: Survey investigation and design, land clearing, land leveling, farm road construction</p> <p>Construction: (FY 1999 Overseas Survey) 1994-1998 Most of the proposed area have already been developed.</p> <p>(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) OECF loan (for an area of 0.1 mil. ha)</p> <p>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.</p> <p>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. OECF 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, OECF 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 OECF 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 OECF 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.</p> <p>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.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1994

Revised Sep.2010

ASE IDN/A 315/92

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Rokan River Basin Overall Irrigation Development Plan		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Directorate General of Water Resources Development, Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a basic development plan, mainly for irrigation development, in the Rokan river basin and select a priority project for irrigation development, and carry out a F/S.		
<b>7. CONSULTANT(S)</b>	Japan Irrigation and Reclamation Consultants Co, Ltd. Chuo Kaihatsu Corporation		
<b>8. STUDY PERIOD</b>	Jan.1991 ~ Aug.1992 19month(s) ~		
<b>9. SITE OR AREA</b>	Northern part of Riau Province (16,059 km <sup>2</sup> )		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>(1) Construction of diversion weir</li> <li>(2) Construction of irrigation &amp; drainage canals</li> <li>(3) Land development for additional farm land</li> <li>(4) Construction of Tertiary system</li> <li>(5) Construction of inspection road &amp; O&amp;M facilities</li> </ul>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

The Detailed Design (D/D) by OECF loan is under studying by DOI-II DGWRD.PU.

**(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.

**(FY 1996 Domestic Survey)**

The Provincial government desires to implement this project soon after the project in Batang Kumu is launched.

**(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.



# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1994

Revised Sep.2010

ASE IDN/S 342/92

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	IKK System Water Supply Project in Provinces of Central Java, East Java and Bali		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	CIPTA KARYA		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate the Basic water supply plan for 121 IKKs by IKK Rural water supply system. To conduct the F/S for selected high priority 30 IKKs.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Kajitani Engineering		
<b>8. STUDY PERIOD</b>	Jul.1990 ~ May.1992 22month(s) ~		
<b>9. SITE OR AREA</b>	High Priority 30 IKKs in Central Java, East Java and Bali province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
(1) Construction of Water Supply Facilities for 30 IKKs (Main towers of Koamatan)			
(2) Water supply facilities consist of intake facilities, reservoirs and piping including elevated tank, public taps and house connections.			
(3) Numbers of IKKs and water sources are as follows.			
		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	Discontinued or Cancelled																																	
<b>Description :</b>																																					
<p>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</p> <p>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</p> <p>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.</p> <p>All the proposed projects have been implemented.</p> <table border="1"> <thead> <tr> <th rowspan="2">Province</th> <th rowspan="2">Number of IKKs</th> <th colspan="5">Water Source</th> </tr> <tr> <th>Spring</th> <th>Well</th> <th>Existing Water Supply System</th> <th>River</th> <th>Embung</th> </tr> </thead> <tbody> <tr> <td>Central Java</td> <td>21</td> <td>14</td> <td>2</td> <td>3</td> <td>1</td> <td>1</td> </tr> <tr> <td>East Java</td> <td>23</td> <td>8</td> <td>12</td> <td>2</td> <td>1</td> <td>---</td> </tr> <tr> <td>Bali</td> <td>7</td> <td>6</td> <td>1</td> <td>---</td> <td>---</td> <td>---</td> </tr> </tbody> </table> <p>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.</p>					Province	Number of IKKs	Water Source					Spring	Well	Existing Water Supply System	River	Embung	Central Java	21	14	2	3	1	1	East Java	23	8	12	2	1	---	Bali	7	6	1	---	---	---
Province	Number of IKKs	Water Source																																			
		Spring	Well	Existing Water Supply System	River	Embung																															
Central Java	21	14	2	3	1	1																															
East Java	23	8	12	2	1	---																															
Bali	7	6	1	---	---	---																															

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1994

Revised Sep.2010

ASE IDN/S 343/92

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Cidanau-Cibanten Water Resources Development Project		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Water Resources Development, Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To examine technical and socio-economic feasibility of the project which envisages mainly municipal and industrial water supply to the western area of North Banten.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Mitsui Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Dec.1990 ~ Jun.1992 18month(s) ~		
<b>9. SITE OR AREA</b>	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		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>(a)Heightening of Krenceng Dam</p> <ul style="list-style-type: none"> <li>- Dam type; Impervious random fill</li> <li>- Dam height and length: 24m, 2,911m</li> <li>- Dam volume: 1,270,000m<sup>3</sup></li> <li>- Gross and effective capacity: 14.07, 12,870,000m<sup>3</sup></li> </ul> <p>(b)Water Conveyance and Treatment Facilities</p> <ul style="list-style-type: none"> <li>- To be added (Intake and sand trap basin, Cidanau pump station, Booster Pump Station, Water treatment plant)</li> <li>- to be replaced (Koenceng pump station Surge Tank)</li> </ul> <p>(c)Maximum Water Supply Capacity</p> <ul style="list-style-type: none"> <li>-3.05m<sup>3</sup>/S</li> </ul>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1994

Revised Sep.2010

ASE IDN/S 344/92

<b>1. COUNTRY</b>	Indonesia																										
<b>2. NAME OF STUDY</b>	The Development of Waste Water Disposal for Denpasar																										
<b>3. SECTOR</b>	Public Utilities	/ Sewerage	<b>4. TYPE OF STUDY</b> F/S																								
<b>5.</b>	Cipta Karya																										
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																											
<b>PRESENT COUNTERPART AGENCY</b>																											
<b>6. OBJECTIVES OF THE STUDY</b>	To conduct a F/S on water resources development project for the priority areas selected in the M/P study.																										
<b>7. CONSULTANT(S)</b>	Pacific Consultants International																										
<b>8. STUDY PERIOD</b>	Sep.1991	~	Dec.1992 15month(s)																								
<b>9. SITE OR AREA</b>	Central Denpasar area of 2,683ha and Sanur area of 74ha																										
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The main features of the urgent project in 2000 are shown below</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Denpasar</th> <th style="text-align: center;">Sanur</th> </tr> </thead> <tbody> <tr> <td>Service Area(ha)</td> <td style="text-align: center;">1,030.8</td> <td style="text-align: center;">331.8</td> </tr> <tr> <td>Served Population in 2000</td> <td style="text-align: center;">117,864</td> <td style="text-align: center;">11,513</td> </tr> <tr> <td>Sewer Secondary/Tertiary(Km)</td> <td style="text-align: center;">126.02</td> <td style="text-align: center;">32.72</td> </tr> <tr> <td>Main Sewer(Km)</td> <td style="text-align: center;">19.53</td> <td style="text-align: center;">4.31</td> </tr> <tr> <td>Force Main(km)</td> <td style="text-align: center;">-</td> <td style="text-align: center;">5.16</td> </tr> <tr> <td>Sub Total(Km)</td> <td style="text-align: center;">145.55 (1)</td> <td style="text-align: center;">42.19 (2)</td> </tr> <tr> <td>Treatment Plant (m/day)</td> <td colspan="2" style="text-align: center;">44,000 = (1)+ (2)</td> </tr> </tbody> </table> <p>The project cost and Annual O/M cost are Rp. 82,400 million and Rp.1,194 million/year respectively</p>				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)	
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PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>Subsequent Studies:  Around Mar.1997 D/D scheduled to be commenced for two years.</p> <p>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.</p> <p>Finance:  Nov.1994 L/A 5,400 mil yen  (The Development Wastewater Disposal for Denpasar)  (FY 2000 Domestic Survey)</p> <p>Contents:  The consultation and the development of wastewater disposal for Denpasar, Sanur and Kuta districts.</p> <p>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.</p> <p>Detail:  (FY 1995 Domestic Survey)  Selecting the consultant.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.1995

Revised Sep.2010

**ASE IDN/A 112/93**

<b>1. COUNTRY</b>	Indonesia																														
<b>2. NAME OF STUDY</b>	Formulation of Irrigation Development Program																														
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General		<b>4. TYPE OF STUDY</b> M/P																												
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Ministry of Public Works																													
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Rural Development, Ministry of Settlement and Regional Infrastructure																													
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate the long-term plan of national irrigation development program.																														
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co, Ltd.																														
<b>8. STUDY PERIOD</b>	Apr.1992 ~ Nov.1993 19month(s) ~																														
<b>9. SITE OR AREA</b>	All Indonesia																														
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>To sustain the self-sufficiency in Indonesia, the following development plan is proposed;</p> <p style="margin-left: 20px;">New Construction : 1,300,000ha Rehabilitation : 400,000ha Land Development : 1,130,000ha</p> <p>Target Development Area of each category (unit:1000ha)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th></th> <th>6th</th> <th>7th</th> <th>8th</th> <th>9th</th> <th>10th</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>New Construction</td> <td>36.4</td> <td>434.8</td> <td>465.2</td> <td>299.9</td> <td>60.0</td> <td>1,296.3</td> </tr> <tr> <td>Rehabilitation</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>406.9</td> </tr> <tr> <td>Land Development</td> <td>326.4</td> <td>258.4</td> <td>303.3</td> <td>207.7</td> <td>39.2</td> <td>1,134.8</td> </tr> </tbody> </table>				6th	7th	8th	9th	10th	Total	New Construction	36.4	434.8	465.2	299.9	60.0	1,296.3	Rehabilitation	-	-	-	-	-	406.9	Land Development	326.4	258.4	303.3	207.7	39.2	1,134.8
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<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Mar.1995

Revised Sep.2010

ASE IDN/S 203/93

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Solid Waste Management Improvement for Surabaya City		
<b>3. SECTOR</b>	Public Utilities	/ Urban Sanitation	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Public Works / Surabaya City	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P and F/S for Solid Waste Management with the target year of 2010.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International EX CORPORATION Urban & Environment Planning, Research and Consulting		
<b>8. STUDY PERIOD</b>	Jan.1992 ~ Feb.1993 13month(s) ~		
<b>9. SITE OR AREA</b>	Surabaya City		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>1) Improvement and construction of final disposal site</li> <li>2) Increase of service coverage and hygienic upgrading in haulage</li> <li>3) Increase of street sweeping efficiency</li> <li>4) Improvement of vehicle maintenance</li> <li>5) Institutional improvement in waste management</li> <li>6) Waste amount reduction</li> <li>7) Improvement and effective use of existing incinerator</li> </ul>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1995

Revised Sep.2010

ASE IDN/S 204/93

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Modernization Plan for Sea Transportation in Eastern Indonesia		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication (DGSC)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a M/P for modernization of sea transportation in Eastern Indonesia. F/S of two ports.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute The Maritime International Cooperation Center Overseas Ship-building Cooperation Centre		
<b>8. STUDY PERIOD</b>	Oct.1992 ~ Mar.1994 17month(s) ~		
<b>9. SITE OR AREA</b>	Eastern Indonesia (12 provinces)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>1.Construction of three kinds of standard ships</li> <li>2.Improvement of sea transportation service</li> <li>3.Development of 17 major ports in Eastern Indonesia</li> <li>4.Improvement of basic yard for repair and inspection of ships</li> <li>5.Improvement of navigational and search and rescue facilities including communication systems</li> <li>6.Urgently required development of Bitung Port and Kupang Port Based on the above master plan</li> </ul>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
<p>&lt;M/P&gt;</p> <p>(1)"Maritime Transportation in Eastern Indonesia" (FY 1994 Domestic Survey)</p> <p>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)</p> <p>Construction: 1)Oct.1993 - Dec.1995 2)Jun.1995 - Aug.1996 (FY 1999 Overseas Survey)</p> <p>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</p> <p>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</p> <p>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>&lt;F/S&gt;</p> <p>"Development of Bitung Port and Kupang Port" (FY 1996 Overseas Survey) Subsequent Studies: 1997 D/D scheduled to be implemented</p> <p>Finance: Dec.1996 L/A 5,250 mil.Yen</p> <p>Construction: 1998~2001 Scheduled to be implemented</p> <p>Maintenance &amp; Operation: Kupang port will be managed by Indonesia Port Corporation III while Bitung Port will be by Port Corporation IV.</p>		

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.1995

Revised Sep.2010

ASE IDN/S 205/93

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Water Resources Development, Urgent Flood Control and Urban Drainage in Semarang City and Suburbs		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of Public Works, Directorate General of Water Resources Development	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a M/P on Flood Control, Urban Drainage, Water Resources Development. To conduct a F/S on the selected prioritized plans.		
<b>7. CONSULTANT(S)</b>	CTI Engineering Co., Ltd. Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Apr.1992 ~ Nov.1993 19month(s) ~		
<b>9. SITE OR AREA</b>	Central Java Province, Semarang City and its Suburbs		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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 : 104km<sup>2</sup> Total Length of Objective Channels : 73km</p> <p>(3)Water Resources Development Development Volume : 10.37m<sup>3</sup>/s by Construction of 4 dams.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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: 790m<sup>3</sup>/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, 12.835km<sup>2</sup>  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)  OECE 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 OECE 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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Mar.1995

Revised Sep.2010

ASE IDN/A 323/93

<b>1. COUNTRY</b>	Indonesia																														
<b>2. NAME OF STUDY</b>	Upland Plantation and Land Development Project at Citarik Watershed																														
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> F/S																												
<b>5.</b>	Directorate General of Reformation and Land Rehabilitation, Ministry of Forestry																														
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>																															
<b>PRESENT COUNTERPART AGENCY</b>																															
<b>6. OBJECTIVES OF THE STUDY</b>	The study is preparing the Upland Plantation and Land Development Project for the Citarik sub-watershed lying in the northwestern part of Java and conducting the F/S.																														
<b>7. CONSULTANT(S)</b>	Japan Forest Technical Association																														
<b>8. STUDY PERIOD</b>	Feb.1992 ~ Oct.1993 20month(s) ~																														
<b>9. SITE OR AREA</b>	Citarik sub-watershed of Citarum watershed in West Java (about 50,000ha)																														
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Bench Terraces</td><td>: 5,448ha</td></tr> <tr><td>Small dike Terraces</td><td>: 2,320ha</td></tr> <tr><td>Forest Development</td><td>: 3,228ha</td></tr> <tr><td>Agroforestry</td><td>: 3,072ha</td></tr> <tr><td>Improvement of Dry Fields</td><td>: 7,828ha</td></tr> <tr><td>Check Dam</td><td>: 70 units</td></tr> <tr><td>Small Check Dam</td><td>: 139 units</td></tr> <tr><td>Gully Plug</td><td>: 2,080 units</td></tr> <tr><td>Revetment Work</td><td>: 16,000m</td></tr> <tr><td>Demonstration plot</td><td>: 30 units</td></tr> <tr><td>Training Center</td><td>: 1 units</td></tr> <tr><td>New Road Construction</td><td>: 74 Km</td></tr> <tr><td>Improvement of Road</td><td>: 130 Km</td></tr> <tr><td>Nursery</td><td>: 12 units</td></tr> </table>			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
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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																														

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (F/S)

Compiled Sep.1995

Revised Sep.2010

ASE IDN/A 316/94

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Coastal Resources Inventory Management and Enhancement		
<b>3. SECTOR</b>	Fishery / Fishery	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Bureau of Fisheries, Ministry of Agriculture (BAPPENAS)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	To carry on the F/S to develop small-scale fishing villages by means of maintenance of coastal natural ecosystem and utilization of marine resources more effectively and continuously.		
<b>7. CONSULTANT(S)</b>	System Science Consultants Inc. Japan Forest Technical Association		
<b>8. STUDY PERIOD</b>	Sep.1992 ~ Mar.1994 18month(s) ~		
<b>9. SITE OR AREA</b>	East Coast Area of Sumatra Is., east of Rupert Is., Riau State		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Sep.1995

Revised Sep.2010

ASE IDN/S 345/94

<b>1. COUNTRY</b>	Indonesia								
<b>2. NAME OF STUDY</b>	Urban Arterial Road System Development Project in Jakarta Metropolitan Area								
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> F/S						
<b>5.</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b></td> <td colspan="2">Directorate General of Roads, Ministry of Public Utilities</td> </tr> <tr> <td><b>PRESENT COUNTERPART AGENCY</b></td> <td colspan="2"></td> </tr> </table>			<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Roads, Ministry of Public Utilities		<b>PRESENT COUNTERPART AGENCY</b>		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Roads, Ministry of Public Utilities								
<b>PRESENT COUNTERPART AGENCY</b>									
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of a basic plan on the improvement of arterial roads mainly concerning with the east-west and the north-south axes of Jakarta Metropolitan area and F/S on the selected prioritized section.								
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Yachiyo Engineering Co., Ltd.								
<b>8. STUDY PERIOD</b>	Mar.1993 ~ Jan.1995 22month(s) ~								
<b>9. SITE OR AREA</b>	City of Jakarta and surroundings								
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- 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.</li> <li>- 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.</li> </ul>								

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></p> <p>(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.</p> <p>(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.</p> <p>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.</p> <p>(FY 1996 Domestic Survey)  The implementation of the project with a BOT scheme is under consideration.</p>		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Sep.1995

Revised Sep.2010

ASE IDN/S 346/94

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Cijung-Cidurian Integrated Water Resources		
<b>3. SECTOR</b>	Social Infrastructure / Water Resources Development		<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Directorate General of Water Resources Development, Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Rural Development, Ministry of Settlement and Regional Infrastructure		
<b>6. OBJECTIVES OF THE STUDY</b>	Review of the dam projects on Karian, Cirawang, Pasir Kopo and Tanjung and F/S on the water inducing project from Kariato Serpong.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Jun.1993 ~ Mar.1995 21month(s) ~		
<b>9. SITE OR AREA</b>	Jabotabek area and Northern Banteng area (approx.10,000sq.m)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>[Phase-I]            Construction of Karian dam: dam height 60.5m, effective capacity of reservoir 219mil cu.m            Renovation of the Cijung 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>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Jul.1996

Revised Sep.2010

**ASE IDN/A 106/95**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Small Scale Impounding Pond Development Project		
<b>3. SECTOR</b>	Agriculture	/ (Agriculture in) General	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a basic plan on West, East Nusa Tenggara Small-scale Impounding Pond Development Project. To carry out F/S on areas which have priority.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.1994 ~ Jun.1995 17month(s) ~		
<b>9. SITE OR AREA</b>	West Nusa Tenggara, East Nusa Tenggara		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(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.

(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.

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.

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.

(FY 2005 Domestic Survey)

No information to be specifically mentioned.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Jul.1996

Revised Sep.2010

**ASE IDN/A 107/95**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Land Rehabilitation Plan of Semi Arid Zone in East Nusa Tenggara		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Forestry	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Targeting Savu basin where forest conservation is needed especially on wasteland, the study object is to disclose the actual land use and flora and to establish a plan on the semi-dry area concerned.		
<b>7. CONSULTANT(S)</b>	Japan Forest Technical Association Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Mar.1994 ~ Jan.1996      22month(s) ~		
<b>9. SITE OR AREA</b>	Eastern Part of Kupang, Amarasi, Central Part of Kupang (Oesao, Olio, Oebelo, Savu Basin) in the Timor Island.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

OECD 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 OECD 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)

Compiled Jul.1996

Revised Sep.2010

**ASE IDN/S 128/95**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Engineering Manpower Development Planning		
<b>3. SECTOR</b>	Others	/ Others	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	BAPPENAS, DEPNAKER	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1)Formulation of supply and demand foreseeing on technicians, skilled workers according to special techniques and occupations, and elaboration of training plan. 2) Technical transfer to Indonesian counterpart through the study.		
<b>7. CONSULTANT(S)</b>	Daiwa Institute of Research Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1994	~	Feb.1996 23month(s)
<b>9. SITE OR AREA</b>	Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 1996 Domestic Survey)

Counterpart is examining definite promotion of proposed project and plan for subsequent study, referring to the study report.

(FY 1997 Overseas Survey)

The outputs of the study have been utilized as a basic data for skilled worker planning (PELITA VII).

Subsequent Study:

F/S and review study were undertaken by Indonesian own budget.

\*Contents of the study: Software and hardware for vocational training.

(FY 2005 Domestic Survey)

No information to be specifically mentioned.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1996

Revised Sep.2010

ASE IDN/S 223/95

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Container Cargo Handling Ports & Dry Ports and its Connecting Railway		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Transport Directorate General of Sea Communication Directorate General of Land Transport and Inland Waterways	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P on container ports and railway container terminals (dry port) throughout Indonesia, F/S on one port and one dry port.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Japan Railway Technical Service Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Mar.1994 ~ Jun.1995 15month(s) ~		
<b>9. SITE OR AREA</b>	Ujung Pandang Port (South Sulawesi)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; (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>&lt;F/S&gt;  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>		

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 Gedebage dry port will be needed.

Status:  
(FY1999 Overseas Survey) No information to be specifically mentioned.  
(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

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1996

Revised Sep.2010

ASE IDN/S 224/95

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Kampar-Indragiri River Basin Development Project		
<b>3. SECTOR</b>	Social Infrastructure / Water Resources Development	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works, Department of Planning	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	M/P on general development project in Kampar/Indoragiri Basin and F/S on priority project.		
<b>7. CONSULTANT(S)</b>	CTI Engineering Co., Ltd. Nippon Koei Co., Ltd. Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Dec.1993 ~ Jan.1996 25month(s) ~		
<b>9. SITE OR AREA</b>	Riau State and Western Sumatra State, Sumatra Island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <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>		

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1996

Revised Sep.2010

ASE IDN/S 225/95

<b>1. COUNTRY</b>	Indonesia																						
<b>2. NAME OF STUDY</b>	Waste Water Disposal and Solid Waste Management for the City of Ujung Pandang																						
<b>3. SECTOR</b>	Public Utilities	/ Urban Sanitation	<b>4. TYPE OF STUDY</b> M/P+F/S																				
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Public Works																					
	<b>PRESENT COUNTERPART AGENCY</b>																						
<b>6. OBJECTIVES OF THE STUDY</b>	M/P, F/S on Environmental Sanitation Improvement in Ujung Pandang City, Indonesia.																						
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Yachiyo Engineering Co., Ltd.																						
<b>8. STUDY PERIOD</b>	Jun.1994 ~ Mar.1996 21month(s) ~																						
<b>9. SITE OR AREA</b>	Ujung Pandang City																						
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%; text-align: center;">Sewage</th> <th style="width: 50%; text-align: center;">Garbage</th> </tr> </thead> <tbody> <tr> <td>M/P 1. Public Toilet maintenance</td> <td>1. Garbage truck maintenance</td> </tr> <tr> <td>2. Vacuum car maintenance</td> <td>2. Road, drainage canal cleaning</td> </tr> <tr> <td>3. Modulation system maintenance</td> <td>3. Final Disposal plant maintenance</td> </tr> <tr> <td>4. Sewerage maintenance</td> <td>4. Branch office maintenance</td> </tr> <tr> <td>F/S 1. Public toilet mending, maintenance</td> <td>1. as above</td> </tr> <tr> <td>2. Vacuum car maintenance</td> <td>2. as above</td> </tr> <tr> <td>3. Access road to urine disposal</td> <td>3. as above</td> </tr> <tr> <td>4. Modulation system maintenance</td> <td></td> </tr> <tr> <td>5. Sewerage maintenance</td> <td></td> </tr> </tbody> </table> <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>			Sewage	Garbage	M/P 1. Public Toilet maintenance	1. Garbage truck maintenance	2. Vacuum car maintenance	2. Road, drainage canal cleaning	3. Modulation system maintenance	3. Final Disposal plant maintenance	4. Sewerage maintenance	4. Branch office maintenance	F/S 1. Public toilet mending, maintenance	1. as above	2. Vacuum car maintenance	2. as above	3. Access road to urine disposal	3. as above	4. Modulation system maintenance		5. Sewerage maintenance	
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5. Sewerage maintenance																							

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(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.</p> <p>(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.</p> <p>(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)</p> <p>(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.</p> <p>(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.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Jul.1996

Revised Sep.2010

ASE IDN/A 317/95

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Gilirang Irrigation Project		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	F/S to establish Irrigation Development Project in Gilirang River, central part of South Sulawesi State.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.1994 ~ Mar.1995 13month(s) ~		
<b>9. SITE OR AREA</b>	South Sulawesi State Wajo Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
<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>			

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
<p>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&amp;M manual(draft) 7)Decision of the site and etc.</p> <p>*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.</p> <p>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.</p> <p>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.</p> <p>Operation &amp; 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.</p> <p>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 Sulawesi and the congress have already appealed to the Ministry of Public Works, whom shown their efforts to acquire the land needed.</p>		

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# STUDY SUMMARY SHEET

## (M/P)

Compiled Jun.1997

Revised Sep.2010

**ASE IDN/A 101/96**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Third Umbrella Cooperation for Integrated Agricultural and Rural Development		
<b>3. SECTOR</b>	Agriculture	/ (Agriculture in) General	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To undertake M/P survey to grasp the development needs in 4 provinces; to propose the appropriate development directions; and to propose the priority projects at central/provincial level, considering the major objectives set by the Third Umbrella Cooperation (1996-2000).		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Overseas Merchandise Inspection Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.1996 ~ Jun.1996 4month(s) ~		
<b>9. SITE OR AREA</b>	South Sulawesi, West Nusa Tenggara, South Kalimantan & West Java		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>86 agricultural development projects have been selected to be studied assisted by the Japanese Government in coming 5 years. Out of 86 projects, 56 regional (representative provinces of different agro-eco system) projects and central projects have been selected considering situations of each regions, which schedule for implementation have also been proposed taking in to account the scale of Japanese ODA for Indonesia.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**  
(FY 1997 Domestic Survey)  
The proposed projects in the study have not progressed taking the planned process of having a request from the Indonesian government and corresponding development assistance from the Japanese government. This is partially due to lack of understanding of the Indonesian government for the objective of the study and political difficulty, which the project Therefore, it is difficult to conclude effective implementation of the project proposed in the study.

(FY 1998 Domestic Survey)  
Although the following schemes have been requested as an 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.

The 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.

The objectives fo the former umbrella cooperations were:  
1st: rice production increase  
2nd: production increase of major crops other than rice  
3rd: Improvement of living standard of farmers

(FY 1999 Domestic Survey)  
An intermediate project evaluation was conducted in March 1999. This survey does not aim for an implementation but it has rather been utilised as a guideline of the Japanese cooperation to Indonesia.

(FY 1999 Overseas Survey)  
Only few projects have been implemented among the projects proposed in the study.

Related Projects:  
1. Dairy Technology Improvement Project  
2. Integrated Development Project for Rural Cooperative  
3. Improvement in Quality of the Tropical Fruits

(FY2005 Domestic Survey)  
No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jun.1997

Revised Sep.2010

ASE IDN/S 203/96

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Comprehensive River Water Management Plan in JABOTABEK		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources, Ministry of Public Works (DGWR)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) Formulation of a M/P on Comprehensive River Water Management Plan in Jabotabek, focusing on flood control. 2) F/S for priority projects.		
<b>7. CONSULTANT(S)</b>	NIKKEN Consultants, Inc. Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jun.1995 ~ Mar.1997 21month(s) ~		
<b>9. SITE OR AREA</b>	Metropolitan are surrounding DKI Jakarta (Jabotabek area)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
<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>			
1) Phase 1 construction			
1st stage) Construction of the Ciliwung River floodway tunnel, riverbank reinforcement on the Cisadane River			
2nd stage) The channel improvement of the western floodway in Jakarta			
2) Phase 2 construction			
The Cisadane River channel improvement			
[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			

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

**Description :**  
(FY 1997 Domestic Survey)(FY 1998 Domestic Survey)  
Subsequent project: Ciliwung-Cisadane River Flood Control Project (I)  
Implementing body: Directorate General of Water Resources Development, Ministry of Public Works  
Funding : 1998/Jun/28, L/A 12,326 billion JPY (Construction: 144,85 million JPY, consulting service: 15,12 million JPY, reserve fund: 13,29 million JPY)  
Contents:  
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. A month later, in February 1996, heavy local rainfall and the subsequent flood again attacked Jakarta. The flood inundated about 92,000 houses and 20 people were killed. Under the above circumstances, the urgent flood control scheme proposed in the development study was adopted as a project to be financed by the Japanese Yen Loan through the CGI (Consultative Group of Indonesia) conference in July 1997. The project includes detailed design, construction and construction supervision.

1. Construction of a bypass floodway in Bogor from the upper Ciliwung River to the Cisadane River.
2. A riverbank Reinforcement (Length: 15km) on the lower Cisadane River.
3. Consulting services.

Period:  
D/D: 1999/Mar - 2000/Apr  
Construction: 1999/Mar - 2005/Jan  
Consultants: NIKKEN Consultants, Inc., Nippon Koei Co., Ltd., SINOTEC ENGINEERING CONSULTANTS LTD., PT. WIRATMAN & ASSOCIATES, PT. INDAH KARYA, PT. GRACIA WIDYA KASEA, PT. TATA GUNA PATRIA.

Status  
(FY 1997 Domestic Survey)  
- Procedures for procurement of the consulting services (D/D & CS) is underway.  
(FY 2000 Overseas Survey)  
- The process of construction is suspended due to social problem in the Tangerang area.  
(FY 2001 Domestic Survey)  
- Although D/D was completed in April 2000, the project is currently suspended due to social problems occurred in Tangerang area, which is under consultation with the implementing body. The construction has not been resumed,  
(FY 2002 Domestic Survey) (FY 2002 Overseas Survey)  
- Region change and decentralisation has initiated conflict between stakeholders Cisadane river residents and NGOs has pended the construction.  
- In August, 2002, Justification Study has been conducted, which the report has been submitted to JBIC. The study considers changing the scope of the project to resume the implementation of the project in order to equipt with severe flood damage of Jakarta in 2000. Change mentioned are as follows;  
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 to be implemented immediately as an urgent project, without an additional land acquisition.  
2) the Cisadane River: rehabilitation of the lower Cisadane to be implemented in order to equipt with flood damages.  
- In January 2003, JBIC is planning to send questionnair to DGWR concerning changes made to the scope of the project and to dispatch mini-appraisal mission.  
- In March 2003, discussion between JBIC and DGWR is planned to be held, which the issues are expected to be settled.

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# STUDY SUMMARY SHEET

(D/D)

Compiled Jun.1997

Revised Sep.2010

ASE IDN/S 401/96

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Medan Flood Control Project		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> D/D
<b>5.</b>	Directorate General of Water Resources, Ministry of Public Works (DGWR)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>	Medan Flood Control and Coastal Protection Project Office, Directorate General of Water Resources, Ministry of Settlement and Regional Development		
<b>6. OBJECTIVES OF THE STUDY</b>	To undertake D/D on flood control project in Medan City and its suburbs that suffer serious damage at rainy season from the flood of the seven rivers nearby.		
<b>7. CONSULTANT(S)</b>	CTI Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1994 ~ Sep.1996 30month(s) ~		
<b>9. SITE OR AREA</b>	Percut and Deli River Basin (544km <sup>2</sup> )		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	Improvement of Percut River, Deli River and construction of Medan Floodway including diversion works.  [Imp. Period] 2 years and a half.		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

Developed from 'Belawan-Padang Integrated River Basin Development'(IDN/S 220B/91)

Subsequent project: Medan Flood Control Project

Fund:

Yen Loan 1998/Jan/28 L/A 9,697 million JPY

Benefit:

(FY 1998 Domestic Survey)

Contribute to local economic development and stability of people's living by reducing flood damage.

Managing/operational body after completion:

Medan Flood Control and Coastal Protection Project Office in North Sumatera, DGWR

Contents

The project is divided into 7 packages, which package 1 to 4 consists of riverbank reinforcement on the Percut river and package 5 to 7 consists of construction of flood baypass way and riverbank reinforcement of Deli river (included in package 7).

1. Riverbank reinforcement of Percut river (Length: 30km)

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)

2. Construction of flood baypass way and riverbank reinforcement of Deli river.

Package 5: Construction of baypass floodway (include the appurtenant work about 2.7 km)

Package 6: Construction of baypass floodway (include the appurtenant work about 1.0 km)

Package 7: Construction of baypass floodway (include the appurtenant work about 0.5 km, Riverbank reinforcement on the Deli River (include the appurtenant work about 1.5 km))

Construction period:

1. Riverbank reinforcement of Percut river:

Package 1: 20 months from 2000/Dec (planned completion: 2004/Jan)

Package 2: 20 months from 2000/Dec (planned completion: 2003/Nov)

Package 3: 27 months from 2000/Dec (planned completion: 2004/Apr)

Package 4: 27 months from 2000/Dec (planned completion: 2004/Jan)

2. Construction of flood baypass way and riverbank reinforcement of Deli river:

Package 5: 20 months (planned completion: 2005/Jan)

Package 6: 20 months (planned completion: 2005/Jan)

Package 7: 27 months (planned completion: 2005/Jan)

Status:

(FY 2000 Domestic Survey)

- Funding request for the construction has been made as a 1997 OECF Yen loan for Indonesia, Appraisal of the project had been conducted in March 1997, which was pledged in October 1997. Currently, procurement of consultant is being carrying out.

- Packages 1 to 4 have started construction works, though Packages 5 to 7 have not started due to delays in land acquisition.

1. Riverbank reinforcement of Percut river:

(FY 2001 Overseas Survey)

- Contract concluded for package 1 to 4 in October 2000. Construction work has started in December 2000.

- Cleaning and grubbing works are almost completed for most part of the reinforcement. Earth works, such as river excavation and dike embankment are also on going.

For the building, constructor is preparing the blueprint.

(FY 2002 Domestic/Overseas Survey)

- 30% completed in average. The construction works are behind schedule due to delay in land acquisition and social problems encountered at the project site.

Package 1: 23.4% completed

Package 2: 36.1% completed

Package 3: 29.7% completed

Package 4: 21.0% completed

2. Construction of flood baypass way and riverbank reinforcement of Deli river:

(FY 2001 Overseas Survey)

- Tender for packages 5 to 7 has been suspended due to delays in land acquisition.

(FY 2002 Overseas Survey)

- Tender for packages 5 to 7 has still been suspended. 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.

Package 5: 0% completed

Package 6: 0% completed

Package 7: 0% completed

# STUDY SUMMARY SHEET

## (M/P)

Compiled Jul.1998

Revised Sep.2010

**ASE IDN/S 102/97**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Air Quality Management for Jakarta Metropolitan Area		
<b>3. SECTOR</b>	Administration	/ Environmental Problems	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>			
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>	Ministry of Environment		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulate integrated strategies and plans to prevent air pollution in Jakarta City, which is the capital of Indonesia, and the areas around it, based on the request of the government of Indonesia.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Research, Analysis and Computing		
<b>8. STUDY PERIOD</b>	Nov.1994	~ Nov.1997	36month(s)
<b>9. SITE OR AREA</b>	Jabotabek area (Jakarta metropolitan area) including DKI Jakarta, Bogor, Tangerang and Bekasi (6,070km <sup>2</sup> )		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Strengthen Ambient Air Monitoring System (budget for the plan: US\$8.65 million, including local currency : Rp.17.3 billion) Establish a measuring network with 25 ambient air monitoring stations, out of which 19 are newly established, in the Jakarta metropolitan area.</p> <p>2. Make an account book for stationary sources (budget for the plan: US\$0.82 million, including local currency: Rp.1.63 billion) Make an account book for stationary sources for implementing measures such as on-the-spot inspections of factories with fuel facilities and the extension of the type of industries for emission controls</p> <p>3. Make an account book for mobile sources in the Jakarta metropolitan area. (budget for the plan: US\$4.4 million, including local currency: Rp.8.85 billion) : Introduce the chassis dynamometer system to clarify the actual situation of emission for running vehicles, establish emission coefficients specific to the Jakarta metropolitan area, and implement effective management of air pollution.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**  
 (FY 1998 Domestic Survey)  
 It is quite difficult to proceed the proposed project in the study due to deterioration of Indonesian economy.

(FY 1999 Overseas Survey)(FY 2000 Domestic Survey)(FY 2001 Domestic Survey)  
 Implemented project: Strengthen Ambient Air Monitoring  
 Content: Establish a measuring network with 25 ambient air monitoring stations, out of which 19 are newly established, in the Jakarta metropolitan area, and build a system which enables the continuous monitoring of the quality of air.  
 Implementing body: BAPEDAL and local administrative institutions in the Jakarta metropolitan area (Jakarta Special City, Bogor, Tangerang, Bekasi)  
 Benefits:  
 (FY 2000 Domestic Survey) 1) Improvements in methods for ambient air monitoring and evaluation systems in the local administrative areas in the Jakarta metropolitan area 2) Development of methods for environmental impact assessment in BAPEDAL and other administrative institutions 3)Unification of information about the quality of air owned by various institutions 4)Model case for other industrial areas of Indonesia  
 (FY 2002 Overseas Survey) BAPEDAL was integrated into the Ministry of Environment (MOE) in January 2002, and MOE took over duties of the monitoring network for air pollution developed by the assistance of the government of Austria. It became possible for MOE to collect much data through this network, and the data will be utilized for measures for air pollution in the Jakarta metropolitan area.  
 Technical cooperation:  
 (FY 2002 Domestic Survey) JICA project-type technical cooperation "Project for Strengthening Decentralized Environmental Management System in Indonesia (DEMS)" was started, and as a part of it, the technology to monitor air pollution will be transferred through EMC (Environmental Management Center  
 Progress:  
 (FY 1999 Overseas Survey) BAPEDAL implemented maintenance of measuring network for ambient air in 10 cities.

(FY 1999 Overseas Survey)  
 Making of an account book for stationary sources and account book for mobile sources in the Jakarta metropolitan area were postponed to FY 2001.

(FY 2001 Domestic Survey)  
 Unleashing petrol is encouraged in Jakarta City. Monitoring of ambient air was strengthened by aid from Australia. Also, the measures for air pollution was started by ADB. The implemented contents are the following. (1) Prevalence of LNG in public transportation and the construction of infrastructure for it. (2)Improvement in exhaust from stationary sources with the use of clean energy and improvement in fuels.

(FY 2001 Overseas Survey)  
 The following activities are implemented to make an account book for stationary sources. 1)Strengthen technical assistance for specific industries, especially industries with ISO 14000 certificates or those applying for them now. 2)Make a list for specific industries which need emission controls.  
 Also, the following activities are implemented to make an account book for mobile sources in the Jakarta metropolitan area. 1) Setting rules of emission standards for new vehicles is in progress. Emission controls for each category of vehicles have already completed. 2)The government of Indonesia established a forum called the Mitra Emisi Bersih (MEB) which consists of the central government, local governments, NGOs and other stakeholders. The forum aims to formulate strategies and countermeasures to reduce air pollution especially from mobile sources. 3)People's public awareness for environmental protection is increased so that they inspect and manage their vehicles. 4)Chasis dynamometers for measuring emission are not procured yet.

(FY 2007 Domestic Survey)  
 No information to be specifically mentioned.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1998

Revised Sep.2010

ASE IDN/S 204/97

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Flood Control for Ambon and Pasahari Area		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resource Development (DGWRD)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Formulate an integrated master plan related to erosion control in Ambon City of Ambon Island which is one of the target areas for the development of Eastern Indonesia promoted by the government of Indonesia, based on a request of the government of Indonesia, and implement a feasibility study of a priority project.		
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Oct.1996 ~ Jan.1998 15month(s) ~		
<b>9. SITE OR AREA</b>	Ambon area of Maluku Province: 5 rivers Pasahari area: 2 rivers Area of the basins: 569.33 km <sup>2</sup>		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	(M/P) Luhu River (river improvement, multi-purpose dam, erosion control dam) Batu Merah River (river improvement, drainage canal) Tomu River (river improvement, erosion control dam) Batu Gantung River (river improvement, multi-purpose dam, erosion control dam) Batu Gajah River (river improvement, multi-purpose dam, erosion control dam) (F/S) All the projects excluding the Luhu multi-purpose dam in M/P above [Project period] (M/P) 1998~2012 (F/S) 1998~2007		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>(FY 1998 Domestic Study)  The governments of Maluku Province and Ambon City strongly desire the implementation of the priority project. A governor of Maluku Province, who was a chairman of the steering committee of the study by JICA, petitioned the Ministry of Public Works for their implementation in order to proceed them with the economic cooperation by Japan. It seems that a minister instructed to put this project on a list for projects in 1999/2000 (Blue Book as a common name).</p> <p>(FY 1999 Domestic Study)  The project has already been registered on the list for projects in 1999/2000. However, due to a continued religious conflict in the region, the request for aid has not been submitted to the government of Japan.</p> <p>(FY 1999 Overseas Study)  No additional information.</p> <p>(FY 2001 Domestic Study)  The central and provincial governments expect the implementation of the project proposed by the JICA study team, but there is no concrete progress in the projects due to the political instability in Maluku Province and Ambon City.</p> <p>(FY 2001 Overseas Study)  The request for aid has not been submitted to the government of Japan, and there is no concrete progress in the project.</p> <p>(FY 2002 Domestic Study)  Constraint: deterioration of security  Feasibility of the Project: they plan to implement it within 1-2 years.  It is difficult to restart the project if there is no improvement in security situation in Ambon City. But, religious conflicts are on the decline, and it is essential for the government of Indonesia to restore Ambon City which is the capital of Maluku Province. The study proposes to control flood and develop water resources as a priority project. Thus, considering the damage of the city, it is favorable to conduct the JICA's Development Study and the JBIC's Special Assistance Facility (SAF) to facilitate project implementation.</p> <p>(FY 2002 Overseas Study)  There was a meeting for peace agreement on the conflicts in Maluku Province including Ambon City on February 2002, and there has been an improvement in security situation since then.  The SDA-WILAYAH TIMUR submitted a proposal for the project ("Ambon Integrated Water Resources Development Project") to the BINTEK-SDA on January 2003. The SDA-WILAYAH TIMUR plans to demand the authorities concerned in Maluku Province to request the government of Japan to give the latest information about security situation in the target areas and assistance for the implementation of the project proposed.</p> <p>(FY 2003 Domestic Study)  Constraint: Deterioration of security  Feasibility of the Project: They plan to implement it within 1-2 years.  The willingness to implement water resources-related projects is getting higher at present when a declaration of a state of emergency is lifted, an executive order for the promotion of reconstruction of Maluku Province is promulgated, and various conferences are held for the reconstruction. In this situation, local and central governments strongly desire ODA from Japan for the reconstruction of Maluku Province after religious conflicts. And they expect that "Water Resources Development and Water Supply Project" by JICA's grant aid and "Water Resources Development and Erosion Control Project" by JICA's grant aid and "Water Resources Development and Erosion Control Project" by JBIC's Yen loans are promoted.</p> <p>(FY 2007 Domestic Survey)  The Government of Indonesia have listed the project on the national development plan (blue book). However, the project was deleted from the list due to growing security concern caused by the ministry, which were considering to implement the project when the region is stabilized.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1998

Revised Sep.2010

ASE IDN/S 205/97

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Revise of Jakarta Water Supply Development Project		
<b>3. SECTOR</b>	Public Utilities	/ Water Supply	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Reexamine the Jakarta City Water Supply Project decided by JICA in 1985, decide on M/P related to water supply in Jakarta City aiming at 2019, and implement F/S about priority projects selected in the Project, based on a request of the government of Indonesia.		
<b>7. CONSULTANT(S)</b>	Nihon Suido Consultants Co., Ltd. Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.1995 ~ May.1997 22month(s) ~		
<b>9. SITE OR AREA</b>	Jakarta City and 17 Kecamatans (subdistricts) which share their boundaries with Jakarta City (212km <sup>2</sup> )		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
M/P:			
Project Period: by 2019 (by the completion of the proposed project 5)			
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			
F/S:			
Project Period: by 2008 (by the completion of the proposed project 2)			
1. Buaran III treatment plant, Distribution center R1 II, Distribution center R6 I, Treated water distribution pipes, R1-R6, Main water distribution pipes, Water distribution pipes			
2. Cipayung treatment plant, Distribution center R4 II, Distribution center R5 II, Raw water transmission pipeline, Treated water transmission pipeline R5, R4, Main water distribution pipes, Water distribution pipes			

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

(FY 1998 Domestic Survey)

The government of Indonesia established a policy that improvement in water supply system in Jakarta City should be implemented by private sectors in the future. Private sectors are responsible for planning, investment, construction, operation and maintenance. This study was conducted based on the policy, and reports on the study are used for a guideline for PAM JAYA which supervises and evaluates management of water supply business for private sectors. At the time when the study was finished, PAM JAYA and 2 private consortias which will be in charge of water supply in Jakarta City in the future made a contract, which transferred the management of water supply business to them from February 2, 1998. Because of this, the project was promoted by private consortias, and Buaran III WTP, Cisadane II WTP and new WTP I & II in the east were excluded from the plan.

(FY 1999 Domestic Survey)

Projects by private sectors have stopped due to the downfall of President Soeharto. There is no progress in water supply projects since then. But, improvement in water distribution pipes is in progress.

(FY 1999 Overseas Survey)

There is no significant progress in new WTP, except the upgrade of Cilandak WTP production capacity from 200 l/s to 400 l/s.

(FY 2001 Domestic Survey)

The water project has made a progress due to the entry of British and French private sectors for water supply into public enterprises.

(FY 2001 Overseas Survey)

The cooperation between PAM JAYA and private sectors continues at present, even though it did not go well at first. This happens due to a political transition period and economic crisis. Targets for private sectors in the period of cooperation of 5 years (by 2002) are as follows..

- 1) Coverage rate: east sector 62%, west sector 45%
- 2) UFW: east sector 43.03%, west sector 47.72%
- 3) Connection: east sector 335,423, west sector 301, 048
- 4) Water volume sold: east sector 131.32 million m3/year, west sector 118.73 million m3/year

About the development of water distribution pipes, targets for improvements in water distribution network by 2002 are as follows.

- 1) Eastern sector
  - (1) Improvements in main water distribution pipes and valves: 4,000 m (2001), 4,000 m (2002)
  - (2) Extension of water distribution network: 75,000 m (2001), 240,000 m (2002)
  - (3) Improvement: 80,000 m (2001), 80,000 m (2002)
- 2) Western Sector
  - (1) Extension of transfer stations and main water distribution pipes: 5,000 m (2001), 2,000 m (2002)
  - (2) Improvement: 500 m (2001), 1,000 m (2002)
  - (3) Extension of water distribution network: 55,000 m (2001), 192,300 m (2002)
  - (4) Improvement: 100,000 m (2001), 100,000 m (2002)

(FY 2003 Domestic Survey)

At present, private sectors improve and operate water supply facilities which are a part of the projects proposed by this study.

(FY 2007 Domestic Survey)

No information to be specifically mentioned.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jul.1998

Revised Sep.2010

ASE IDN/S 206/97

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Arterial Road System Development in Surabaya Metropolitan Area		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Highways, Ministry of Public Works (BINA MARGA/BAPPEDA)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Based on a request of Indonesia, make a master plan for beltways and suburban trunk lines including trunk lines in Surabaya metropolitan area, and conduct a feasibility study in priority roads improved.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.1996 ~ Aug.1997 19month(s) ~		
<b>9. SITE OR AREA</b>	Surabaya metropolitan area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P: Total length of roads: about 840 km (include repairs)</p> <p>F/S: - Route 1: Section of toll roads 15.5 km, Section of general trunk roads 20.8 km - Route 2: Section of general trunk roads 13.3 km - Route 3: Section of general trunk roads 9.9 km - Route 4: Section of general trunk roads 27.6 km - Route 5: Section of general trunk roads 22.6 km</p> <p>[Project Period Planned] M/P: From Repelita VII (7th 5-Year Plan) to Repelita X (10th 5-Year Plan) 20 years F/S: Detail design 1 year, Land expropriation 2 years, Construction 3 years 1998~2003</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<b>Description :</b>		
(FY 1998 Domestic Survey) We have not gotten concrete information since the study has just finished. It seems that some actions will be taken for improving trunk roads indispensable for the development of Surabaya City, based on the results of the study with medium- and long-term goals.		
(FY 2001 Domestic Survey) Improvements in trunk roads in Surabaya are not in progress due to the lack of financial resources for infrastructure improvements since the economic crisis in 1997 in the country as well as other Southeast Asian countries.		
(FY 2001 Overseas Survey) Environmental impact assessment (AMDAL) was conducted based on laws and rules in Indonesia. The result showed that there would be no serious negative impact if residents migration problems were solved in the area. According to an opinion poll for residents, about 50-90% of sample households approves the project on the condition that expenses for land purchase and compensation should be paid to residents by market prices.		
(FY 2002 Domestic Survey) The construction of toll roads has stopped in Surabaya City and around it since the Asian economic crisis in 1997. East Java province which has Surabaya metropolitan area shifted priority of regional development from former northern and central corridors to southern corridors which are poor region when decentralization was in progress. Thus, development budgets for the central and provincial governments shifted priority from national roads and trunk roads in metropolitan areas which support industrial and economic development to local roads rehabilitation projects in Southern regions. Therefore, it is impossible to start proposed projects (general trunk roads in cities) in metropolitan areas without initiatives of Surabaya City. It is necessary for toll road projects to wait for the recovery of economies for private sectors. The feasibility of the proposed project depends on whether Surabaya City can have budget for land purchase.		
(FY 2002 Overseas Survey) While a plan for the implementation of the proposed project is being prepared to obtain financial resources from donors, there is no progress in the realisation.		
(FY 2007 Domestic Survey) As of 1997 when the mentioned study was completed, preparation of trunk roads in cities by central government was possible. But after the financial crisis in 1998, proposed projects became generally implemented by local governmental budget of Surabaya City. However, it can be said that it is impossible for current Surabayan government to finance budget for construction of the new trunk road. Badan Pengatur Jalan Tol (BPJT) of Ministry of Public Works approved to implement the project in the area (south and north road in western Surabaya City) by PPP. There is possibility of becoming as a investment object if offered investment company by public tender. It is necessary to examine the possibility of land expropriation through investigating current land use condition since more than 10 years are passed from investigation.		

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# STUDY SUMMARY SHEET

## (F/S)

Compiled Jul.1998

Revised Sep.2010

ASE IDN/A 309/97

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Social Forestry Development Project in the Upper Musi Watershed		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	RLR, Ministry of Forestry	
	<b>PRESENT COUNTERPART AGENCY</b>	RLPS, Ministry of Forestry	
<b>6. OBJECTIVES OF THE STUDY</b>	Conduct a feasibility study for preparation of a development plan aiming to improve living standard and livelihood to preserve forest, targeting Musi River watersheds located in Bengkulu Province of Sumatra Island, Indonesia.		
<b>7. CONSULTANT(S)</b>	Japan Forest Technical Association Asia Air Survey Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.1996 ~ Mar.1998 25month(s) ~		
<b>9. SITE OR AREA</b>	About 50,000ha in Kecamatan Curup county and Kecamatan Kepahiang county, Rejang Lebong, Bengkulu Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	Participatory forest development, Participatory planting of border trees, Promotion of agro-forestry, Development of protected forests, Improvement in fields, Check dams, Development of riparian forests, Construction of new roads, Extension and training (Project Period Planned) 7 years		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></p> <p>Finance:  (FY 1998 Domestic Survey)  The Ministry of Forestry puts this project on a list of requests for the Yen Loan.  (FY 1999 Domestic Survey)  A request for the Yen Loan has not been made.  (FY 1999 Overseas Survey)  OECF Sector Project Loan (SPL) 11,053 million IDR  Content of a project: Construction of forest roads, Seedling production, Establishment of plantations, Strengthening of organizations, Provision of vehicles, Monitoring</p> <p>Construction:  (FY 1999 Overseas Survey)  January 2000: Commencement, November 2000: Scheduled to be completed  (FY 2001 Overseas Survey)  The project was completed as scheduled. This project was implemented with the finance of OECF, and the target area was 2,000 ha in 2 districts (Tebat Monok Village, Kelilik Village, Air Selimang Village, Tanjung Alam Village, and Hujan Mas Village in Kepahiang district, and Air Lang village in Curup district).</p> <p>Benefits:  (FY 2001 Overseas Survey)  A group of farmers living around the forests who planted trees with MPTS is cooperative, and they came to preserve forests.  (FY 2002 Overseas Survey)  It is expected that a monitoring study is conducted, but the monitoring through the ministries is getting more difficult due to decentralization.</p> <p>(FY 2007 Domestic Survey)  No information to be specifically mentioned.</p>		

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# STUDY SUMMARY SHEET

(D/D)

Compiled Jul.1998

Revised Sep.2010

ASE IDN/S 402/97

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Detailed Design for Urban Drainage Project in the City of Jakarta		
<b>3. SECTOR</b>	Public Utilities	/ Sewerage	<b>4. TYPE OF STUDY</b> D/D
<b>5.</b>	Directorate General of Human Settlements (DGHS), Ministry of Public Works		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Based on a request of the government of Indonesia, conduct D/D related to a drainage plan in northwestern parts of the capital, Jakarta City.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Aug.1996 ~ Jan.1998 17month(s) ~		
<b>9. SITE OR AREA</b>	Western areas of Cengkareng: 36.71km <sup>2</sup> and Meruya area: 1.27km <sup>2</sup>		
<b>10. MAJOR PROPOSED PROJECT(S)</b>			
Basic Plan:			
1.Scale of Estimated Flood Water: Western Districts of Chengkareng:10 year probability flood, Meruya area:5 year probability flood			
2.Plan Target Year: 2010			
3.Way of Drainage: Gravity System			
4.Target Drainage Type: Main Drains			
5.Special Consideration for Making Plan: Problems of Subsidence and Water Purification			
Outline of Plan:			
1.Western Districts of Chengkareng: 1)Kamal Drain(Drainage Area: 20.89km <sup>2</sup> ), 2)Tanjungan Drain(Drainage Area: 4.25km <sup>2</sup> ), 3)P1K Junction Drain(Drainage Area: 2.7km <sup>2</sup> ), 4)Gede/Bor Drain(Drainage Area: 2.41km <sup>2</sup> ), 5)Saluran Cengkareng Drain(Drainage Area: 3.08km <sup>2</sup> )			
2.Meruya District: 1)Meruya Drain:(Drainage Area: 1.27km <sup>2</sup> )			
Total Project Cost: USD 88.973 million(Foreign currency: USD 28.016 million Local currency: USD 60.957 million)			
Plan for Society and Environment Management:			
1.Number of Houses for Eviction:			
Legal Residents: 211 houses, Illegal Residents: 1,442 houses, Factories, Schools, etc.:63 places			
2.Compensation for the Houses for Eviction: IDR 17,443.9 million			
3.Land Compensation:			
Area to purchase of the Target Land: 321,489m <sup>2</sup> , Purchase Cost: IDR 53,045.7 million			

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b>  (FY 1998 Domestic Study)  The Ministry of Public Works examines a request for yen loan in implementing the project. Cipta Karya which is an implementing institution also has a strong desire to implement it.</p> <p>(FY 2000 Domestic Study)  They have not made an official requests for a yen loan. Nippon Koei made a presentation to the Indonesian side on January 2000. Although there is no prospect to purchase lot for the project, small-scale construction works are implemented with local budget.</p> <p>(FY 2001 Domestic Study)  1. Small-scale construction works implemented with local budget  The content of construction works is the extension of intersection parts of a drainage channel and a highway and the lot purchase of illegal residence areas. Although the extension of the intersection parts has almost finished, the lot purchase has finished only 50% because illegal residents can not find places to move to and budget for the lot purchase is uncertain.  2. Urban Drainage Plan in Jakarta  The Indonesian side made a presentation on January 2000 and hopes that the project is implemented by a yen loan. But, they must purchase lot with their country's budget in the implementation of projects by a yen loan, and there is no prospect of it.</p> <p>(FY 2001 Overseas Study)  - The government of Indonesia submitted a request for a yen loan in 1999 through Blue Book BAPPENAS. However, there is no reply from Japanese government at the moment.  - Jakarta City has already implemented small-scale construction works by their own budget.  Reference:  IDN/S 219B/90 "Plan to Improve Urban Drainage Channels and Sewers in Jakarta City"</p> <p>(FY 2007 Domestic Study)  The Urban Drainage Plan in Jakarta, which was proposed in the heading Study, has yet implemented.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.1999

Revised Sep.2010

**ASE IDN/S 102/98**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Port Development Strategy		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication(DGSC), Ministry of Communications	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	The objective of the study is to formulate a long term port development strategy for Indonesian port by the year of 2018. In addition, it also aims to transfer technology to Indonesian counterpart regarding port planning, technology, institution, administration, management, operation, etc. in the course of the study.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute		
<b>8. STUDY PERIOD</b>	Nov.1997	~	Mar.1999 16month(s)
<b>9. SITE OR AREA</b>	The entire country of Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The port development strategy, which is composed of 3 main targets, was proposed as below:</p> <p>1.Strategy for Strengthening Port Development</p> <p>(1)Strategy for Port System (Policy for International Container Port, Policy for Conventional General Cargo Terminal, Policy for other Port Traffic Demand)</p> <p>(2)Future Port Hierarchy</p> <p>2.Strategy for Port Finance and Private Sector Participation</p> <p>(1)Strategy for Port Finance</p> <p>(2)Strategy for Port Tariff System</p> <p>(3)Strategy for Private Sector Participation</p> <p>3.Strategy for Effective Port Administration, Management and Operation</p> <p>(1)Administration and Management Policy</p> <p>(2)Formulation and Authorization System of Port Master Plan</p> <p>(3)Improvement of Port Operation</p> <p>(4)Environmental Consideration in Port Development and Use</p> <p>(5)Navigation Safety and Channel Maintenance</p> <p>(6)Staff Training System for Port Sector</p> <p>(7)Port Statistics</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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 PEmangunan 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 how the local government 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 Overseas 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. Part of strategy has been adopted in the new government regulation No. 69 of 2001 of Port Affairs.

(FY 2002 Domestic Survey)

Since March 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 May 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.

(FY 2004 Domestic Survey)

Final report of "The Study for Development of Metropolitan Ports in Indonesia" was submitted at December 2003.

"Preliminarily Study of Cooperation Implementation Plan of Urgent Rehabilitation Project of Tanjungpriok Port in Indonesia" (cooperation D/D) was implemented from October 2004, and completed at the middle of November.

(FY 2008 Domestic Survey)

Subsequent Study: Strategic Management Research for a New Public-Private Port Development Project in Indonesia (Development study)

Objectives: To formulate guidelines that indicate how to conduct port management/operation in accordance with the new law for sea transportation; to present concrete measures for the management through a case study in a model port; and to formulate the strategy on port management/operation which is to be undertaken with cooperation between public and private sectors.

Background: The investment and participation of the private sector in port terminal development and management have been expected to increase over years. In reality, however, such business activities have been restricted with various conditions, especially for port management. In addition, with the fact that there is no clear regulations about risk sharing between public and private sectors in Indonesia, the private sector is afraid of taking risks from investment, which results in low investment by private sector in port development. Against this backdrop, Indonesia government revised the Shipping Law in April 2008. Policy for new port development and management has been clarified since then. Previously PELINDO had taken major role of port management/operation. At present, the government is expected to function as a regulatory agency, while the port public corporation is as an terminal operator. Furthermore, the law has enabled the private enterprise to undertake port operation independently.

With the the revision of the law, here comes the new era of institutional reform on port management/operation.

Cooperation period: January 2009-December 2009.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.1999

Revised Sep.2010

**ASE IDN/S 103/98**

<b>1. COUNTRY</b>	Indonesia																								
<b>2. NAME OF STUDY</b>	Comprehensive Management Plan for the Water Resources of the Brantas River Basin																								
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P																						
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development, Ministry of Public Works(DGWRD)																							
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Rural Development, Ministry of Settlement and Regional Infrastructure																							
<b>6. OBJECTIVES OF THE STUDY</b>	Formulation of the M/P on the water resources management in the Brantas River Basin to cope with increasing water demand and deteriorating water quality. M/P includes an institutional improvement plan and a project implementation program for water resources management.																								
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. NIKKEN Consultants, Inc.																								
<b>8. STUDY PERIOD</b>	Feb.1997	~	Nov.1998      21month(s)																						
<b>9. SITE OR AREA</b>	Brantas River Basin in East Java																								
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right;">Project Cost(US\$1,000)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td></td> </tr> <tr> <td>(1)Dam construction for water supply: Beng Dam and others</td> <td style="text-align: right;">286,260</td> </tr> <tr> <td>(2)Countermeasures for sedimentation in the existing dams: Wlingi, Lodoyo, Sengguruh Dams(dredging)</td> <td style="text-align: right;">190,489</td> </tr> <tr> <td>(3)Flood control/FFWS: F/C project for Widas River, etc.</td> <td style="text-align: right;">246,585</td> </tr> <tr> <td>(4)Watershed management/Sabo works</td> <td style="text-align: right;">231,892</td> </tr> <tr> <td>(5)Water quality improvement</td> <td style="text-align: right;">1,840</td> </tr> <tr> <td>(6)River environment improvement</td> <td style="text-align: right;">479</td> </tr> <tr> <td>(7)Others</td> <td style="text-align: right;">80,196</td> </tr> <tr> <td>2.Strengthening of water resources management system</td> <td></td> </tr> <tr> <td>3.Development of organization/management of PJI</td> <td></td> </tr> </tbody> </table>				Project Cost(US\$1,000)	1.		(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	
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<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

## 1.Pre-consolidation 3-year Program

(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

2)Strengthening of water management in the Brantas River Basin

3)Urgent implementation of operation and management of river facilities in the Brantas River Basin

\* 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.

EN: 10 Oct. 2002 "Water Resource Existing Facilities Rehabilitation and Capacity Improvement Project(water resource sector)" (14,696 mil. Yen)

Contents:

1) Strengthening of water management in the Brantas River basin

2) Urgent implementation of O&amp;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. JBIC and Ministry of Public Works both approved it. 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 completed

(FY 2002 Overseas Survey)

1) 'Joint Research on Development of Estimation Model for Interaction between Change in Society and Hydrological Cycle' has been implemented since April 2002 with the Disaster Prevention Research Institute of Kyoto University.(until March 2006)

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.(until March 2004)

(FY 2003 Domestic Survey)

Fund raising:

October 10, 2002 L/A 14.696 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 -

(FY 2004 Domestic Survey)

1.Subsequent study: "Construction plan of small-size water reservoir to provide water to east Java farm village"

1)Contents of the study: Formulation of grant aid project based on "Identification Study and Detailed Design of Small Pond", which was implemented until 2002 as part of water resource development review study.

2)Study period: planned at April 2005

2.Fund procurement

1)Funding party: Yen loan and JICA budget

2)Amount: not yet determined

3)Proposed project name: "Construction plan of small-size water reservoir to provide water to east Java farm village"

(FY 2008 Domestic Survey)

No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.1999

Revised Sep.2010

**ASE IDN/S 104/98**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Development Study of Economic Model for Planning Exercises; Long Term Programming Model		
<b>3. SECTOR</b>	Development Plan / (Development Plan in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	BAPPENAS.	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To construct a suitable quantitative framework to prepare a double-track economic planning system; medium-term plan and long-term plan.		
<b>7. CONSULTANT(S)</b>	Daiwa Institute of Research Ltd. Engineering Consulting Firms Association, Japan		
<b>8. STUDY PERIOD</b>	Aug.1995 ~ Aug.1998 36month(s) ~		
<b>9. SITE OR AREA</b>	Indonesia.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Following issues were selected to be important:</p> <ol style="list-style-type: none"> <li>1.Balance of Payments and External Debt;</li> <li>2.Industrial Development;</li> <li>3.Resources and Energy;</li> <li>4.Environment; and</li> <li>5.Poverty Issue and Income Distribution.</li> </ol>		

長期開発計画推進のための経済モデル開発調査

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

Compiled Dec.1999

Revised Sep.2010

**ASE IDN/S 113/98**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Comprehensive Development Plan for the Western Part of Kalimantan		
<b>3. SECTOR</b>	Development Plan / Integrated Regional Development Plan		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	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.	
	<b>PRESENT COUNTERPART AGENCY</b>	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.	
<b>6. OBJECTIVES OF THE STUDY</b>	The objectives of this study is to prepare an comprehensive regional master plan with long-term prospectives by the year of 2019 for 2 provinces in Western Part of Kalimantan.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Mar.1997	~	Mar.1999 24month(s)
<b>9. SITE OR AREA</b>	West Kalimantan Central Kalimantan		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>10 projects were selected from 21 proposed programs.</p> <ol style="list-style-type: none"> <li>1. Kalimantan Forest Fire Disaster Management Project</li> <li>2. Oil Palm Sub-sector Improvement Project</li> <li>3. The Tayan-Pangkalanbun Section of the Trans-Kalimantan Project</li> <li>4. Upland Ecological Development Corridor Project in Central Kalimantan</li> <li>5. Pangkalanbun-Kumai Urban Industrial and Port Development Project</li> <li>6. Kalimantan Upland Rural Infrastructure Development for Poverty Alleviation Project</li> <li>7. Kalimantan Upland Community Rescue and Development Project</li> <li>8. Kalimantan Small and Medium Enterprises Promotion</li> <li>9. Development of a Research Station and Field Centers in the Upstream Kapuas for the Kalimantan System and Applied Research Institute</li> <li>10. Kalimantan Pollution Monitoring Project</li> </ol>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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)

(FY 2001 Domestic Survey)

Dispatched Agency: Provincial Bappedas of West Kalimantan

Period: from Jul.2001/12/28

The expert reviews various policies and the activities of the project which were mainly proposed by "Comprehensive Development Plan for the Western Part of Kalimantan" and provides advice for promoting them.

## Kalimantan Upland Community Rescue and Development Project

(FY 2001 Domestic Survey)

Although the discussion has been commenced among stakeholders to take action as a welfare assistance by JICA, it was suspended due to the abrupt riot in west Kalimantan. It has not made any progress since then.

(FY 2004 Domestic Survey)

No information to be specifically mentioned.

(FY 2008 Domestic Survey)

No information to be specifically mentioned.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Dec.1999

Revised Sep.2010

ASE IDN/A 117/98

<b>1. COUNTRY</b>	Indonesia								
<b>2. NAME OF STUDY</b>	Improvement in Quality of the Tropical Fruits								
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General		<b>4. TYPE OF STUDY</b> M/P						
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Direcorate General of Food Crops and Horticulture(DGFCA), Ministry of Agriculture Provincial Food Crops Services in North Sumatra, West Java and South Sulawesi Provinces							
	<b>PRESENT COUNTERPART AGENCY</b>	Direcorate General of Horticulture Production, Ministry of Agriculture Provincial Food Crops Services in North Sumatra, West Java , East Java and South Sulawesi Provinces							
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a M/P for each of the 4 provinces in order to increase small-scale famers' income through improving the quality of tropical fruits that meet the demands of domestic and International markets. Technical transfer will also be carried out to Indonesian counterparts in the course of the Study.								
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.								
<b>8. STUDY PERIOD</b>	Jul.1997	~	Jun.1998 11month(s)						
<b>9. SITE OR AREA</b>	North Sumatra, West Java, East Java, South Sulawesi(Total: 4 provinces)								
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The following 14 programs were selected as an action plan.</p> <ol style="list-style-type: none"> <li>1.Establishment of orchard as core of target fruit growing area</li> <li>2.Human resources development of on-farm level extension workers and farmers</li> <li>3.Development of post-harvest handling system</li> <li>4.Improvement of access facilities to markets and local facilities</li> <li>5.Institutional development of small landholding fruit growers and association of fruit growers' groups</li> <li>6.Strengthening of institutional linkage among ministries and agencies, intra-ministerial coordination system in MOA</li> <li>7.Capability building of provincial staff</li> <li>8.Rationalization of supporting services for credit facilities and upgrading of market information system</li> <li>9.Strengthening of research and development activities for introduction and breeding of new high quality fruit varieties</li> <li>10.Strengthening of regional adaptability trial operation system</li> <li>11.Improvement of high quality seedling propagation and distribution system</li> <li>12.Institutional and technical capability building of private nurseries</li> <li>13.Rationalization of fruit seedling inspection system</li> <li>14.Strengthening of plant quarantine system</li> </ol> <p>The proposed project cost is dividend in 3 phases.</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Phase I</td> <td style="padding-left: 20px;">4,490 mil. yen [3,592(US\$1,000)]</td> </tr> <tr> <td style="padding-left: 20px;">Phase II</td> <td style="padding-left: 20px;">3,780 mil. yen [3,024(US\$1,000)]</td> </tr> <tr> <td style="padding-left: 20px;">Phase III</td> <td style="padding-left: 20px;">6,630 mil. yen [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)]
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<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**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.

(FY2008 Domestic Survey)

The request for yen loan made by Ministry of Agriculture for IHDUA II has been suspended with the change of the minister.



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Dec.1999

Revised Sep.2010

ASE IDN/S 203/98

<b>1. COUNTRY</b>	Indonesia																																																																														
<b>2. NAME OF STUDY</b>	Road Network Study in Central and South-East Sulawesi																																																																														
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> M/P+F/S																																																																												
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Highways, Ministry of Public Works.																																																																													
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Regional Infrastructure Development, Ministry of Settlement and Regional Development																																																																													
<b>6. OBJECTIVES OF THE STUDY</b>	To propose a M/P (target year: 2018) for the road network system in Central and Southeast Sulawesi, To conduct a pre-F/S for 1,200km of road (target year: 2008) and a F/S for 350km of road (target year: 2003) form among the priority roads of the M/P.																																																																														
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Yachiyo Engineering Co., Ltd.																																																																														
<b>8. STUDY PERIOD</b>	Mar.1997 ~ Dec.1998 21month(s) ~																																																																														
<b>9. SITE OR AREA</b>	Central and Southeast Sulawesi Provinces and an adjacent area of South Sulawesi Province.																																																																														
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>&lt;M/P&gt; 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).            &lt;Pre-F/S&gt; 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>&lt;F/S&gt; 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
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PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<b>Description :</b>		
(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 bring in 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 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. - 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)		
(FY 2004 Domestic Survey) No information to be specifically mentioned.		
(FY 2008 Domestic Survey) It was proposed to prioritize the issues of road improvement in central/southeast Sulawesi provinces and take actions in accordance with the prioritization. The proposal also includes the immediate implementation of a project for Tawaeli-Toboli Road, because it is of critical importance and thus requires urgent action. However, it has not yet been implemented due to lack of funds, except some part of rehabilitation works.		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Dec.1999

Revised Sep.2010

ASE IDN/S 204/98

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Nationwide Ferry Service Route, Stage 2		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	DGLT, Ministry of Communications(MOC)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1.To set up the nationwide ferry service routes network for the target year of 2019. 2.To formulate a long-term development plan for the ferry routes for the target year of 2019. 3.To conduct a feasibility study on the short-term development plan for the target year of 2004.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Mar.1997 ~ Mar.1998 12month(s) ~		
<b>9. SITE OR AREA</b>	<M/P>DKI, Java, Sumatra, Kalimantan, Sulawesi, Maluku, NTT, NTB and Irian Jaya <F/S>Surabaya-Banjarmasin, Selayar-Labuhan Bajo, Manokwari-Biak, Wahai-Babang		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	M/P: Future Nationwide Ferry Service Network Selection of Ferry Routes for the Long-term Development Plan Ferry Operation  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		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**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.

(FY 2004 Domestic Survey)  
DGLT established 3 route(Surabaya-Banjarmasin was not established) out of 4 proposed route as short-term improvement project from 2000 to 2003 by budget of government of Indonesia.  
By measure of decentralization of authority, there is no ferry route involved by central government, ferry route in commerce base is supervised by ferry public corporation, and in about local ferry route, local government decide the policy of development. Although, because local government staff do not have enough knowledge about procedure of requesting new issue, there are no progress in concretizing.

(FY 2008 Domestic Survey)  
Lamon bay is in the development area at Surabaya side of the Surabaya-Banjarmasin route that has not yet been touched by development authorities. For port development in Lamon bay, there are plane figures for container-yard development plan, which limits the size of target area to be equal to or less than 50ha, so as to be approved by government agencies.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Dec.1999

Revised Sep.2010

ASE IDN/A 219/98

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Integrated Development Project for Rural Cooperatives		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Cooperatives and Small Enterprises Development.	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To clarify the role of rural cooperatives (KUD) in performing agricultural development, to reduce poverty in rural area, and to correct the difference in standard of living between rural and urban areas, and to formulate future development strategies, and a plan to activate KUD activities taking into account local characteristics, locational conditions, farming pattern, and transfer of technology necessary for formulating the plan.		
<b>7. CONSULTANT(S)</b>	Central Union of Agricultural Co-operatives(JA-ZENCHU) System Science Consultants Inc.		
<b>8. STUDY PERIOD</b>	Feb.1996 ~ Feb.1999 36month(s) ~		
<b>9. SITE OR AREA</b>	<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).		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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 the implementation of 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 Model 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 2002 Domestic Survey) (FY 2003 Overseas Survey)  
As a project-type technical cooperation project for FY 2001, the "Strengthen Market-oriented and Self-autonomy Agricultural Cooperatives Model Project" has been requested to the government of Japan by the Ministry of Cooperatives, Small and Medium Enterprises of the government of Indonesia. JICA Agricultural Development Cooperation Department, Livestock and Horticulture Industry Section dispatched basic study team of "Strengthen Market-oriented and Self-autonomy Agricultural Cooperatives Project in Indonesia" from September 1,2002 to September 11,2002. They collected basic information and consulted with relevant government official of Ministry of Cooperatives, Small and Medium Enterprises about future direction of cooperation. Afterward, Ministry of Cooperatives, Small and Medium Enterprises revised the request document and submitted to JICA.

(FY 2008 Overseas Survey)  
"Strengthen Market-oriented and Self-autonomy Agricultural Cooperatives Model Project" was proposed with high expectation of realization in early FY 2000. The proposal and TOR were proceeded to JICA headquarters in FY 2000, however, it has not been approved yet.  
In 2008 we invited and Mr. Sato from JA-Zenchu to JICA Jakarta Office to have discussion about the ways to promote agricultural cooperatives. Dispatch of experts was proposed as one of the means.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jun.2000

Revised Sep.2010

ASE IDN/S 202/99

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Study on Land Provision for Housing and Settlements Development through KASIBA and Land Reajustment in Jakarta Metropolitan Area		
<b>3. SECTOR</b>	Social Infrastructure	/ Urban Planning & Land Development	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	The State Ministry of Housing, the State Ministry Agrarian Affairs/National Land Agency	
	<b>PRESENT COUNTERPART AGENCY</b>	Ministry of Human Settlements and Regional Development/National Land Agency	
<b>6. OBJECTIVES OF THE STUDY</b>	To promote housing and settlement development in the Jakarta Metropolitan Area by proposing measures to enforce and improve KASIBA and the land consolidation schemes through conducting case studies.		
<b>7. CONSULTANT(S)</b>	Yachiyo Engineering Co., Ltd. Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Jan.1998 ~ Jan.2000 24month(s) ~		
<b>9. SITE OR AREA</b>	Parung Panjang and Jatiasih in the Jakarta Metropolitan Area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	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)		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (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).

(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.

(FY 2004 Overseas Survey)  
 Although this research has contributed to the improvement of KASIA, proposed projects have not been implemented.

(FY 2005 Domestic Survey)  
 No information to be specifically mentioned.

(FY 2009 Domestic Survey)  
 Progress has not been made in the proposed project

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (F/S)

Compiled Jul.2001

Revised Sep.2010

ASE IDN/A 301/00

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Feasibility Study on the Integrated Agricultural and Rural Development in Highland in Republic of Indonesia		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General	<b>4. TYPE OF STUDY</b>	F/S
<b>5.</b>	Directorate General of Food Crops and Horticulture, Ministry of Agriculture		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	1) To conduct the F/S for selected model areas on integrated agricultural/rural development in highland areas as a model for further upland agricultural development. 2) To transfer technology to Indonesian Counterparts.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Hokkaido Engineering Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Sep.1999 ~ Jun.2000 9month(s) ~		
<b>9. SITE OR AREA</b>	Mekarjaya, Langensari, Tugumukti, Gekbrong, Cisurupan, Tanjungkarya, Mekarmukti, and Cisantana		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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"> <li>- Improvement/extension of irrigation facilities.</li> <li>- Establishment of linkage with the research institutes of vegetables and agricultural extension service offices by set-up and operation of adaptive trial farm.</li> <li>- Operation of farmers' field schools to demonstrate advanced technology of vegetable growing with farmers' participation.</li> </ul> <p>2) Improvement of vegetable marketing system</p> <ul style="list-style-type: none"> <li>- Improvement/construction of collection and packaging center for vegetables.</li> <li>- Improvement of market road.</li> <li>- Farmers' guidance for market-oriented cropping system with involvement of private sector.</li> </ul> <p>3) Activation of farmers' organizations for active agricultural production.</p> <ul style="list-style-type: none"> <li>- Farmers' guidance for organizing farmers' associations including farmers cooperatives, farmer water users association and rural water users association.</li> <li>- Guidance to farmers' association for O&amp;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.</li> </ul> <p>b. Monitoring and Evaluation</p> <ul style="list-style-type: none"> <li>- Project benefit monitoring and evaluation.</li> <li>- Environmental impacts monitoring and evaluation.</li> </ul>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b></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:</p> <ul style="list-style-type: none"> <li>- Re-feasibility study as a subsequent study, expanding its targets to other highland areas, such as North Sumatra, Jambi, or Eastern Part of Indonesia.</li> <li>- Focusing on to specific commodities in each highland areas</li> <li>- Involvement of provincial and district agricultural services</li> </ul>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

(D/D)

Compiled May.2001

Revised Sep.2010

ASE IDN/S 401/00

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Detailed Design of Flood Control and Water Resources Development Project in Semarang in the Republic of Indonesia		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> D/D
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources Development and Directorate General of Human Settlement, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Water Resources, Ministry of Settlement and Regional Infrastructure	
<b>6. OBJECTIVES OF THE STUDY</b>	The objectives of the Study are to carry out the detailed design of the following three (3) components, (1) West Floodway/Garang River Improvement, (2) Construction of Jatibarang Multipurpose Dam and (3) Urban Drainage System Improvement, and to pursue transfer of technical knowledge to the counterpart personnel in the course of the Study.		
<b>7. CONSULTANT(S)</b>	CTI Engineering International Co., Ltd. Pacific Consultants International Pasco International Inc.		
<b>8. STUDY PERIOD</b>	Aug.1997 ~ Aug.2000 36month(s) ~		
<b>9. SITE OR AREA</b>	Semarang City and West Floodway/Garang River Basin in Central Java Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1) West Floodway/Garang River Improvement (L=9.76km) with Reconstruction of Simongan Weir</p> <p>2) Construction of Jatibarang Multipurpose Dam (H=77m, L=200m)</p> <p>3) Urban Drainage System Improvement (A=12.835km<sup>2</sup>, 2 Pumping Stations)</p>		

<b>PRESENT STATUS</b>	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: Jun/2005 - Dec/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)

Compiled Oct.2002

Revised Sep.2010

**ASE IDN/S 103/01**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on the Coral Reef Rehabilitation and Management in North Sulawesi Province		
<b>3. SECTOR</b>	Administration	/ Environmental Problems	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	LIPI: Indonesian Institute of Science	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Make a master plan for coastal management for environment conservation and sustainable economic use in North Sulawesi coastal area. Also, search for implementation mechanism in line with resources and capacity in North Sulawesi area.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Dec.1999	~	Nov.2001 23month(s)
<b>9. SITE OR AREA</b>	North Sulawesi Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The 43 projects such as following and more are to be implemented:</p> <ol style="list-style-type: none"> <li>1. Establishment of provincial coastal fundamental law</li> <li>2. Establishment of provincial/city general coastal management offices (PICMO, KICMOs)</li> <li>3. Human resource development program</li> <li>4. Formulation of coastal spatial use plans</li> <li>5. Establishment of provincial protected areas</li> <li>6. Establishment of community coastal resources user right</li> <li>7. Supporting program for community coastal resources management.</li> </ol>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2002 Domestic and Overseas Survey)

1. Short-term JICA expert was 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, and Provincial Government is preparing for the establishment of 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 sets up the same model of artificial reefs supported by trained counterparts.

(FY 2004 Domestic Survey)

No special information.

(FY 2005 Domestic Survey)

Implemented Project: Artificial gathering place establishment project

Implementing period: 2002 and 2003.

Scale: 5million JPY

Benefits:

Beneficiaries: North Sulawesi, province coastal residents

Benefits: stabilized fishery and increased haul

(FY 2005 Overseas Survey)

Provincial Coastal Management Basic Regulation and Provincial Integrated Coastal Management Office were established.

(FY 2006 Domestic Survey)

No information to be specifically mentioned.

(FY 2007 Domestic Survey)

No information to be specifically mentioned.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Oct.2002

Revised Sep.2010

**ASE IDN/S 104/01**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Regional Educational Development and Improvement Project		
<b>3. SECTOR</b>	Human Resources Developn / Education	<b>4. TYPE OF STUDY</b>	M/P
<b>5.</b>	Ministry of National Education		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	<p>1. In the short run, examine strategy to stop the drop of the school enrollment rate after the economic crisis.</p> <p>2. In the medium and long run, make strategy to improve the junior secondary education in the target provinces through a pilot study.</p>		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan PADECO Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.1999 ~ Sep.2001      30month(s) ~		
<b>9. SITE OR AREA</b>	156 schools in 15 sub-districts and 7 districts in Central Java Province and the North Sulawesi Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Objectives</p> <p>1) To increase enrolment in 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 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 in-service training)</p> <p>Menu 3: Textbook provision and management                      Menu 4: BP3(PTA) Activities</p> <p>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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2003 Domestic and 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 Brebes District Government in Central Java Province that became the object of this pilot project contributed JPY 210 - 280 thousand per junior high school to target junior high schools as the counterpart budget in 2003. And the Pekalongan District Government in Central Java Province as well that became an object of the pilot project contributed approximately JPY 140 thousand of counterpart budget per junior high school to target junior high schools and approximately JPY 70 thousand 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.

Beneficiaries: 33 sub-districts, 271 junior high schools, parents of junior high school students, and communities surrounding the junior high schools  
 Benefits: 33 sub-districts-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 and Overseas Survey)  
 Subsequent study: Regional Education Development Support (phase II)  
 Implementing period: December 2001 - March 2005.

Subsequent study: Regional Educational Administration Improvement Program  
 Implementing period: September 2004 - September 2008.

(FY 2006 Domestic and Overseas Survey)  
 Subsequent study: REDIP-G (REDIP-Government)  
 Objective: Implementation of REDIP model  
 Funding party: Own fund (Ministry of Education in Indonesia; June 2005; IDR 12,77 billion)  
 Beneficiary: 126 junior high schools chosen from 9 districts in 3 provinces : Bogor, Bukasai, and Tangerang  
 Contents: 9 counties were selected from 3 provinces: Bogor, Bukasai, and Tangerang nearby capital of Jakarta suburban. 126 Junior High Schools were chosen from the districts which include public and religious schools. Each school and TPK prepared 5 year-plan and an annual action plan. Several activities are expected to be implemented once Ministry of Education confirms the plan and subsidies are distributed after the reviewed by the prefectural education department.  
 Progress: Each school receives 1 to 4 packs were 25 million IDR as a pack. TPK is supposed to receive 30 million IDR. Almost every schools received four packs (IDR 100 million) in 2005/06. Initially REDIP -G was to be implemented for two years from 2005; however, due to the great success of the plan in the first year, more districts are expected to be included in the plan is likely to be extended.

Others:  
 State of Sulawesi: Bitung City, one of the site, implemented REDIP in the second phase study. Due to the commitment by the mayor of Bitung City, who recognized the effectiveness of the study, has committed to fund 100% of the project cost of technical cooperation project REDIP4 (Phase3, starting in FY 2004) and has become self-reliant Though the mayor had changed in 2006, the budget for the is expected to be secured and the city will become the earliest local government to accomplish financial REDIP independence and sustainability of REDIP.  
 State of Java: "Advanced REDIP" is in progress since 2005 with an initiative and support of provincial educational department. This is the program that gives financial and technological assistance to five districts in the province which seeks implement their own REDIP. The provincial education department secured its budget although its amount is few; which has given guidance and financial supports to each districts. Each districts has experimentally begun small scaled REDIP according to each financial situation in 2005 after a long preperation period. Though JICA is not financially supporting the project, it has continued to give technical supports towards provincial education department as well as education departments in five districts by dispatching a field consultant.

(FY 2007 Domestic Survey)  
 No information to be specifically mentioned.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Oct.2002

Revised Sep.2010

**ASE IDN/A 105/01**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study for Improvement of Irrigation System and Empowerment of Water User's Association for Enhancement of Turnover Program		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Settlements and Regional Infrastructure	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Make a plan for improving water and facility management for sustainable irrigation agriculture in West Sumatra, East Jawa, Jogjakarta, and West Nusa Tenggara aiming to promote water users' associations and capacity building.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Mar.2000 ~ Dec.2001      21month(s) ~		
<b>9. SITE OR AREA</b>	5 provinces: Western Sumatra, Western Jawa, Eastern Jawa, Jogjakarta, and Western Nusa Tenggara. Total (irrigated) area: 1,911,000 ha		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Twelve Action Plan were proposed: (Preparatory Work) Action 1: Public Awareness of Government Policy among Government Officials Action 2: Inventory of Irrigation Systems and WUAs (Main Work) Action 3: Public Awareness and Capacity Building at WUA level Action 4: Training of WUA Leaders Action 5: Kabupaten Irrigation Improvement Fund Action 6: Formation and Re-formation of WUA, WUAF, and IWUA Action 7: Start-up Assistance Action 8: Improved O&amp;M and joint Management Action 9: Collection of ISF and Government Support Action 10: Rehabilitation of Irrigation System Action 11: Monitoring and Evaluation Action 12: Agricultural Enhancement Plan</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**  
 (FY 2002 Overseas Survey)  
 The project-type Cooperation, the Project for Promotion of Farmers Empowerment and Irrigation Management Transfer to Water Users Association, was approved as 2001/2002 fiscal year's projects (R/D concluded in December, 2003).

(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 be implemented in early 2004.

(FY 2004 Domestic Survey)  
 No information to be specifically mentioned.

(FY 2005 Domestic and Overseas Survey)(FY 2007 Domestic Survey)  
 Implemented Project: The project for Empowerment of Water Users Association  
 Implementing period: April 2004 - March 2007  
 Implementing body: The Ministry of Settlement and Regional Infrastructure (KIMPRASWIL), JICA  
 Objective: To establish adequate administration/management model of irrigation facility in Bilibili irrigation area by the Water Users Association through assistance and cooperation of local government for revitalization.  
 Technical cooperation:  
 Training: 1) participatory irrigation management system (FY 2003 and 2004), 2) C/P training for the Project for Empowerment of Water Users Association (FY 2004: 8 personnel)  
 Expert dispatch:  
 Long-term experts: 5 personnels (April 2004 - March 2007)  
 Short-term experts: 6 personnels  
 Equipment procuring: 264,000 USD  
 Progress:  
 (DY 2007 Domestic Survey) Monitoring projects have been implemented both at state and districts.

(FY 2006 Domestic Survey)  
 No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Oct.2002

Revised Sep.2010

**ASE IDN/A 203/01**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed		
<b>3. SECTOR</b>	Forestry	/ Forestry & Forest Conservation	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	At the time of study: BRLKT (Balai Rehabilitasi Lahan dan Konservasi Tanah / Land Rehabilitation and Soil Conservation Office) Present: BPDAS (Balai Pengelolaan Daerah Aliran Sungai / Watershed Management Office)		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Based on the request of the government of Indonesia, review on the land usage basic plan, and develop a master plan for the basin management plan for Tondano Watershed in North Sulawesi Province. Also, conduct a feasibility study for the Tondano Watershed management plan including the community participation.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. KOKUSAI KOGYO CO., LTD.		
<b>8. STUDY PERIOD</b>	Feb.2000 ~ Aug.2001 18month(s) ~		
<b>9. SITE OR AREA</b>	Tondano Watershed in North Sulawesi Province M/P: Tondano Watershed (54,755 ha) F/S: Tondano Lake Catchment Basin (11,855 ha)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <ol style="list-style-type: none"> <li>1. Conservation of conservation forest</li> <li>2. Conservation of banks and lakeshores</li> <li>3. Decrease in potential critical land</li> <li>4. System development and strategy</li> <li>5. Community empowerment</li> </ol> <p>F/S:</p> <ol style="list-style-type: none"> <li>1. Watershed conservation               <ol style="list-style-type: none"> <li>1-1. Forest conservation plan</li> <li>1-2. Agriculture and agro-forestry improvement plan</li> <li>1-3. Erosion prevention work</li> </ol> </li> <li>2. System development</li> <li>3. Community empowerment</li> <li>4. Monitoring and evaluation system development               <ol style="list-style-type: none"> <li>4-1. Technical aspect</li> <li>4-2. Social and economic aspect</li> </ol> </li> </ol>		

<b>PRESENT STATUS</b>	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 specifically mentioned.

(FY 2006 Domestic Survey)  
 The proposed activities by this study were included in another project.

(FY 2006 Overseas Survey)  
 After the Ministry of Forestry decided in a policy not to accept overseas assistance, the implementation of the proposed projects becomes difficult. However, budget for tree planting and soil conservation is secured and implemented.

(FY 2007 Domestic Survey)  
 No information to be specifically mentioned.

(FY 2007 Overseas Survey)  
 To mention to the possibility of realisation of proposal in mentioned study, realisation will take 3 to 5 years. Though the object district of mentioned study is included in GERHAN, which is encouraged by Indonesian government, it is difficult funding from other countries and international organizations.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Sep.2003

Revised Sep.2010

**ASE IDN/A 201/02**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Fisheries Infrastructure Support and Coastal Communities Development Plan in Eastern Indonesia		
<b>3. SECTOR</b>	Fishery	/ Fishery	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Fisheries Resources for Fishing, NTB Government, NTT Government	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Among fishery villages in the eastern region, the objective of the study is to prepare a master plan on subsistence fishing village development in order to increase subsistence fishermen's income and to stabilize marine product supply in East and West Nusa Tenggara State. In addition, a feasibility study on the maintenance mainly of fishing infrastructure is conducted in the study, choosing two priority regions from Sumbawa Island and Flores Island.		
<b>7. CONSULTANT(S)</b>	System Science Consultants Inc. Overseas Agro-Fisheries Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	May.2001 ~ Oct.2002 17month(s) ~		
<b>9. SITE OR AREA</b>	M/P: East and West Nusa Tenggara province (excluding Timor Island) F/S: Sumbawa and Flores islands		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>F/S Project Cost            Local Cost: 1) 3,905 IDR 2) 5,533 IDR 3) 9,833 IDR 4) 4,954 IDR            Foreign Cost: 1) 31,084 IDR 2) 21,846 IDR 3) 39,603 IDR 4) 36,754 IDR</p> <p>Implementing Period            1) 4 years (implemented 2 years earlier than the 2)            2) 4 years            3) 4 years (implemented 2 years earlier than the 3)            4) 4 years.</p> <p>Sumbawa Island            1) Rompo site, Bima District(First Priority Zone): Establishing stable supply of debarkation and shipment including enhancing and improvement of the existing Bima market.            2) Soro and Hu'u site, Dompu District (2nd Priority Zone): Improving Soro, Hu'u and the Donpu market and establishing stable supply of fish to the Donpu market.            A Priority zone consisting of the main fish supply areas,namely kenpo and Hu'u and the Dompu market, was created.</p> <p>Flores Island            1) Oka site, Flores District (First Priority Zone): Improving the infrastructure at Larantuka and neighboring islands (5 areas) as one package in order to accomplish stable supply of fish to Larantuka and the west Flores District.            2) Kalimati, Sikka District and Paupanda, Ende District (Second Priority Zone): Improving the infrastructure of Kalimati, Paga and Paupanda in order to accomplish stable supply of fish to the local communities and the west Flores District.</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (FY2003 Domestic Survey)  
 There is no information available on the current situations of this project.

(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.

(FY 2005 Domestic and 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.  
 Subsequent project: Project for the promotion of sustainable coastal fisheries in NTB and NTT  
 Implementing period: April 2005 - 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  
 Relation with the study: The project is based on the development plan proposed in the mentioned study.  
 Funding party: Nusa Tenggara Timur (NTT) - Own fund, Nusa Tenggara Barat (NTB) - Yen Grant  
 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.  
 Recommendations: 1) the western Nusa Tenggara Timur: The Technical Cooperation Project targeted mainly Orada, Bima District; 2) Basic design study on the sustainable coastal fishing development plan in Indonesia

(FY 2006 Domestic and Overseas Survey)(FY 2007 Domestic and Overseas Survey)  
 Subsequent study: Basic design study on the sustainable coastal fishing development plan in Indonesia  
 Implementing period: June 2006 - January 2007  
 Funding amount: 1070 million JPY (E/N concluded 6 July, 2007)  
 Implementing body: Ministry of Marine Affairs and Fisheries (implementing the plan), municipality of the Eastern Flores (operation and maintenance), JICA  
 Objective: To facilitate sustainable coastal fish landing site development by establishing efficient and clean hygiene fish landing ports at East Nusa Tenggara province, East Flores, and Amagarapati.  
 Relation with the study: One of the two areas proposed for prioritised development region in the mentioned study, because target area of fisheries grant aid cooperation.  
 Status:  
 (FY 2007 Domestic and Overseas Survey) The contract of facility constructions and equipment procurement was concluded on 4 December, 2007. The construction was started from January 2008 and will be completed on March 2009. Currently, bank selection is in progress.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Sep.2003

Revised Sep.2010

**ASE IDN/S 204/02**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on the Development Scheme for the Principal River Ports in Indonesia		
<b>3. SECTOR</b>	Social Welfare	/ Disaster Relief	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	DGSC,Indonesia	
	<b>PRESENT COUNTERPART AGENCY</b>	DG. Sea Transportation, DGST	
<b>6. OBJECTIVES OF THE STUDY</b>	As decentralization progresses, the role of river ports gets more important as a core of regions. This survey is to assess an urgent maintenance plan, using two out of seven most demanding ports from the long-term point of view.		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Jan.2001 ~ May.2002 16month(s) ~		
<b>9. SITE OR AREA</b>	M/P: Muara Sabak Port, Talang Duku Port and Samarinda Port F/S: Muara Sabak Port and Samarinda Port		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Project Cost</p> <p>M / P:</p> <p>1) Muara Sabak:Rp.626 billion 2) Talang Duku: Rp.126 billion 3) Samarinda: Rp.705 billion</p> <p>F / S :</p> <p>1) Muara Sabak: Rp.242 billion 2) Samarinda: Rp.330 billion</p> <p>Suggestion</p> <p>M / P:</p> <p>1) Muara Sabak: 3 Container berths ( L=125m x3), d=6m, 3 Gantry Cranes, 1 Mobile Crane and 6</p> <p>2) Talang Duku: 2 Pontoons ( L =125m x 2), d=6m, 4 Mobile Cranes, 4 RTGs</p> <p>3) Samarinda: 4 Container berths ( L =125m x 4), d=6m, 4 Gantry Cranes, 8 RTGs</p> <p>F / S:</p> <p>1) Muara Sabak : 1 Container berths( L =125m), d=6m, 1 Gantry Crane, 2 RTGs</p> <p>2) Samarinda : 2 Container berths ( L=125m x 2), d=6m, 2 Gantry Crane, 4 RTGs</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled
<b>Description :</b>		
<p>(FY 2003 Domestic Survey)  Short-term port development projects (Muara Sabak Port and Samarinda Port) satisfy the foreign loan application requirement. However, 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 listed on STEP Loan last year, though the project has not been mentioned in the blue book this year, due to unsolved issues of reallocation of the residents</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, 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 projects, 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>		
<p>(FY 2006 Domestic Survey)  While it seems that Indonesian domestic procedures for loan aid used for Samarinda port development are going well, no much progress is made due to D/D on Tanjungpriok port and procedures of loan aid in relations to the construction.</p>		
<p>(FY 2006 Overseas Survey)  As for three ports mentioned in this survey, yen grant is considered for the implementation.</p>		
<p>(FY 2007 Domestic Survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Sep.2003

Revised Sep.2010

**ASE IDN/S 205/02**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Study for the Maritime Traffic Safty System Development Plan		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication (DGSC), Ministry of Communications	
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Sea Transportation (DGST), Ministry of Transportation	
<b>6. OBJECTIVES OF THE STUDY</b>	<p>To determine a basic plan for navigation support facility and sea radio communication system that is expected to be completed by 2020, and a short-term plan that is targeted by 2007.</p> <p>To choose priority projects among short-term plans and to conduct feasibility study</p> <p>To suggest issues such as education, training, management, and security, and to transfer technology by holding seminars and training for counterparts</p>		
<b>7. CONSULTANT(S)</b>	<p>The Japan Association for Preventing Marine Accidents</p> <p>Japan Association for Aids to Navigation</p>		
<b>8. STUDY PERIOD</b>	Mar.2001 ~ May.2002 14month(s) ~		
<b>9. SITE OR AREA</b>			
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <ol style="list-style-type: none"> <li>1. Rehabilitation/development plan of Visual Aids to Navigation including supporting facilities               <ol style="list-style-type: none"> <li>1) Development plan of DGPS 2) Rehabilitation/improvement plan of Radar beacon 3)Development plan of VTS System</li> </ol> </li> <li>2. Expansion/improvement plan of GMDSS               <ol style="list-style-type: none"> <li>1) Establishment plan of Indonesian Ship Reporting System 2) Upgrading plan of Internal Communication Networks 3)Integration plan of coastal radio stations</li> </ol> </li> </ol> <p>F/S:</p> <ol style="list-style-type: none"> <li>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)</li> <li>2. Establishment plan of VTS System with shore radar and AIS for Sunda Strait and Lonbock Strait</li> <li>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</li> <li>4. Establishment plan of Indonesian Ship Reporting System from the view of maritime safety and marine environment protection</li> </ol>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b></p> <p>(FY 2003 Domestic and Overseas Survey)  In 2003, DGSC submitted loan request for enhancing and improving GMDSS 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. The implementation of visual aids to navigation, improving VTS system and ship reporting system have been submitted to BAPPENAS for ODA loan.</p> <p>(FY 2004 Domestic and Overseas Survey) (FY 2005 Domestic Survey)(FY 2006 Domestic Survey)  Proposed project: Maritime telecommunications system development project (IV)  Funding party: Yen Loan (L/A concluded on 31 March 2004)  Funding amount: 650 million JPY  Content: The Ministry of Communication has added installment of AIS land station as a measure against terrorism within the expansion/improvement plan of GMDSS.  Progress: (FY 2006 Domestic Survey) Bid tendering was implemented.</p> <p>(FY 2005 Overseas Survey)  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> <p>(FY 2006 Domestic and Overseas Survey)  Subsequent Study: Maritime traffic safety system development plan at the Straits of Malacca and Singapore  Implementing period: B/D: December 2006 - January 2007 (one month)  Implementing institution: JICA (non-grant aid)  Content: Construction of VTS centers at the five areas and maintenance of radar system</p> <p>(FY 2007 Domestic Survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Sep.2003

Revised Sep.2010

ASE IDN/S 206/02

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Flood Control Project in Limboto Bolango Bone Basin , North Sulawesi in the Republic of Indonesia		
<b>3. SECTOR</b>	Social Welfare	/ Disaster Relief	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	1) Directorate General of Water Resources, Ministry of Settlements and Regional Infrastructure, 2) Dinas SDA North Sulawesi Province, 3) Dinas PU/Kimpraswil Gorontalo Province	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) To formulate a master plan for sustainable flood control and a water management plan in Limboto-Bolango-Bone basin 2) To conduct a feasibility study on priority projects 3) To transfer technology to counterpart personnel in the process of the study		
<b>7. CONSULTANT(S)</b>	NIKKEN Consultants, Inc. Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jul.2001 ~ Dec.2002 17month(s)		
<b>9. SITE OR AREA</b>	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 <sup>2</sup> , consisting of the Lake Limboto basin(890 km <sup>2</sup> ), the Bolango river basin(490 km <sup>2</sup> ) and the Bone river basin(1,320 km <sup>2</sup> ). F/S:Lower Bone-Lower Bolango rivers, Tapodu River, Tamalate, Lake Limboto		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <p>Structural Measures Adopted:</p> <p>1) 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. 2) 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. 3) 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> <p>Non-Structural Measures Adopted:</p> <p>1) 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. 2) 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> <p>F/S:</p> <p>1) Bone-Bolango-Tapodu River Improvement Project: The Bone-Bolango River from the Tapodu River confluence to the sea is to be improved for 200m<sup>3</sup>/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 m<sup>3</sup>/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. 2) Tamalate Floodway Project: The Tamalate floodway aims to divert flood runoff(120m<sup>3</sup>/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. 3) 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. 4) 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.</p>		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**Description :**  
(FY 2003 Domestic Survey)  
In response to results of this Study, the Indonesia government requested the implementation of Japan Grant Aid for "Urgent Flood Mitigation Project in Limboto-Bolanto-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.  
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.

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 prioritized, the following issues were needed to be clarified for an implementation of the project.  
1) Relations of central and regional government on jurisdiction and responsibility, which is currently in a transition period.  
2) Intension of residents, whom are to be resettled due to river flow change and rehabilitations.  
3) Organization of Gorontalo municipality, newly established in December 2002, including human capacity for implementation, management, and operation.  
4) Adequacy for environment management plan and environment monitoring of the provincial municipality.  
Relation with the study: Irrigation projects in Bolango, Bone, and Tapodo river, Tapado slice way construction, and institutional strengthening are among the prioritized projects.

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.  
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 and Overseas survey)(FY 2006 Domestic survey)  
Conducted follow-up study in 12 July, 2004 (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.

Subsequent Study: Follow-up study for the Limboto-Bolango-Bone basin flood control plan  
Implementing Period: June, 2004 - December, 2004 (6 months)  
Implementing body: JICA  
Objective: To modify the plan suggested at the development study and to study the following lacking items complementarily to complete the project.  
1) Reexamination of the case in which the construction of Tabodo canal and dam were to be cancelled  
2) Having a good sense of river mud sliding situation  
3) Awareness study of the relocation of people  
4) Price study of construction resources  
Relation to the study: The preliminarily study was conducted in May 2003, as the need and urgency of grant were reckoned. Supplemental study would be necessary in order to reassess and modify the suggested project.  
Possibility of project progress: It is possible to make some progress in the study because a flood control project in Gorontalo City is highly considered to be urgent and necessary and also there are needs from people living in the area.

(FY 2004 Overseas survey)  
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.

(FY 2007 Overseas survey)  
A concrete activity plan is not settled at present.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (F/S)

Compiled Sep.2003

Revised Sep.2010

ASE IDN/S 305/02

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Feasibility Study on Rural Water Supply Project in Nusa Tenggara Barat and Nusa Tenggara Timur		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> F/S
<b>5.</b>	Director General of Rural Development, Ministry of Settlement & Regional Development		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	<p>(1) Based upon a request of the government of Indonesia, to formulate a water supply plan (including maintenance management plan) in which water resource is mainly based on groundwater and spring water in arid areas of East West Nusa Tenggara state.</p> <p>(2) To transfer technology to the Indonesian counterparts (people living there, regional development ministry, and state water construction office) throughout this study.</p>		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.2001 ~ May.2002 15month(s) ~		
<b>9. SITE OR AREA</b>	East Nusa Tenggara and West Nusa Tenggara, Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Water supply facility construction</p> <p>2. Implementation of sanitation education for villagers: 1) to conduct enlightenment activity through house visits, group gathering, village meetings, and etc, in order to improve awareness towards sanitation.</p> <p>3. Strengthening of water supply facility management 1) Under the guidance of village chief, establish and develop water utilisation union through consensus of all villagers. 2) Institutional improvement of water public corporation.</p> <p>EIRR, and FIRR have shown minus values considering initial cost. Thus, expectation lies on Basic Human Needs for improvement.</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**

(FY 2003 Domestic and 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 and Overseas Survey)(FY 2005 Domestic Survey)(FY 2006 Domestic Survey)(FY 2007 Domestic Survey)

Subsequent study: The project for Rural Water Supply in Nasa Tenggara Barat and Nusa Tenggara Timur

Implementing body: JICA

Implementing period: July 2003 -

Contents

Funding:

Funding party: Yen Grant Aid E/N concluded on 26th July 2004

Amount: 223 million JPY

Situation:

(FY 2004 Domestic and Overseas Survey) On 2005/01, the first tender have failed.

(FY 2005 Domestic Survey) Tender have been conducted for three times, which every tender have unsuccessfully failed.

(FY 2006 Domestic Survey) A study have been conducted concerning implementation of the project for requesting new Cabinet.

(FY 2007 Domestic Survey) E/N have been concluded. Tender is again conducted.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.2005

Revised Sep.2010

**ASE IDN/S 101/03**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Comprehensive Water Management of Musi River Basin		
<b>3. SECTOR</b>	Social Infrastructure	/ River & Erosion Control	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Infrastructure	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	(1) To decide the Study on Integrated Water Management of Musi River Basin (2) To implement technology transfer to the counterparts through this study		
<b>7. CONSULTANT(S)</b>	CTI Engineering International Co., Ltd. NIKKEN Consultants, Inc.		
<b>8. STUDY PERIOD</b>	Aug.2002 ~ Aug.2003 12month(s) ~		
<b>9. SITE OR AREA</b>	Musi river Basin		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Component 1: Water use plan: 1) Sustainable irrigation/wetlands development, 2) use of rain water from low tide wetlands, 3) water management for fish-breeding use, 4) decision on water use managing model.</p> <p>Component 2: Flood source management: 1) Zoning/land use control</p> <p>Component 3: River Basin Restoration/Conservation 1) Application of agro-forestry within potentially erosion areas, 2) capacity-building of agriculture/farms/forestry promotion centers, 3) reforestation of production forests/forest estates, 4) prevention of land erosion within/outside the basin, 5) restoration of preserved forest.</p> <p>Component 4: Urban water environment improvement: 1) Community-run drainage management, 2) restoration of main drainage ways.</p> <p>Component 5: Preparation of monitoring system 1) Preparation of hydrology monitoring system, 2) preparation of water quality monitoring system, 3) construction of database</p> <p>Component 6: Enhancement of organizational system 1) Launch of water resource management official website, 2) establishment of Water Resource Data/Information Unit within Musi River Basin Water Resource Management Unit, 3) staff education of Province Water Resource Management Unit of Provincial Water Resources Meetings/ Musi River Basin Water Resource Meetings, 5) staff education of related government officials, 6) education for irrigation system maintenance management, 7) education of social leaders and related personnel in collaboration with NGO.</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (FY 2004 Domestic Survey)  
 In August 2003, the consultants visited the country with its own cost and followed up the preparation of the provincial budget to implement project recommended by the Master Plan. During this visit, they confirmed the positive intentions of the Director General of the Department of Water Resources, Ministry of Infrastructure and other personnel, toward the implementation of project. Since then, the continuous follow-up has been made.

(FY 2005 Domestic Survey)  
 Request has been submitted for technical type cooperation.

(FY 2006 Domestic Survey)  
 No information to be specifically mentioned.

(FY 2007 Domestic Survey)  
 Considerations have been put to implementation of technical cooperation project "Establishment of water use management model," although no concrete action have been taken.

(FY 2008 Domestic Survey)  
 No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Mar.2005

Revised Sep.2010

**ASE IDN/S 102/03**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Transport	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To increase the Indonesian share of ships by providing improved maritime service to ship owners and customers in relations to Indonesian domestic shipping. In order to realize this objective, this study has three purposes: 1) formulate a master plan by 2024, 2) formulate an action plan including priority projects, 3) promotion of technical cooperation		
<b>7. CONSULTANT(S)</b>	ALMEC Corporation Japan Marine Science Inc.		
<b>8. STUDY PERIOD</b>	Dec.2000 ~ Mar.2004      39month(s) ~		
<b>9. SITE OR AREA</b>	Overall Domestic Sea Transportation and Marine Industry		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>1. Legal maintenance aimed for projects for ship investments</li> <li>2. Ship Loan package by ODA funds</li> <li>3. Design the most appropriate ship model</li> <li>4. Introduction of ship management companies</li> <li>5. Implementation of advanced educations for sea affair managements</li> <li>6. Establishment of sea affairs administrative database center</li> <li>7. Setting up grant money daily supervising seaway system.</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2004 Domestic Survey)

The government of Indonesia was preparing Presidential Instruction for promotion of shipping industry in January 2004, when the draft final report was submitted. It was expressed that the result of the study itself will be important document for its implementation and the action plan of this study will be included in strategic plan of marine traffic improvements. And they requested to extend this study and conduct policy advice for making relevant government plan and conduct technical support for implementation of part of action plan (public vessel financial system and advanced educational programme). 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 August 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 (No.44/2005). This enables investment for vessel, which 300 million ton equivalent private investment is prospected for domestic vessels. In addition, Presidential Instruction on maritime development(No.5, Mar. 28, 2005) was issued, covering every proposal made in the mentioned study.

(FY 2005 Overseas Survey)

Implementation team was established on 15th April, 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 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 program - STRAMINDO II

Implementing period: March 2005-August 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

(FY 2006 Domestic Survey)

No information to be specifically mentioned.

(FY 2008 Domestic Survey)

As regards "Public ship finance system," the proposal of the study has been reflected in the national policy as Presidential Instruction No. 5/2005 on National Sea Transport Empowerment, while the contents of public ship finance has been incorporated into Shipping Law (No. 17/2008).

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.2005

Revised Sep.2010

**ASE IDN/A 201/03**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The study for Comprehensive Recovery Programmes of Irrigation Agriculture		
<b>3. SECTOR</b>	Agriculture	/ Irrigation, Drainage & Reclamation	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Infrastructure	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	<p>(1) Irrigation scheme function recovery program which targeted irrigation scheme with the benefited area of more than 1,000ha (220 scheme; approximately 779,000ha) in three states: North Sumatra, Central Java, South Sulawesi was determined.</p> <p>(2) Throughout the study, it is to develop irrigation system at Indonesian side institutions, especially to transfer technology in order to improve technology skills in relations to irrigation facility rehabilitation and management ability.</p>		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Feb.2003 ~ Mar.2004 13month(s) ~		
<b>9. SITE OR AREA</b>	North Sumatra, Middle Java, South Sulawesi		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P: To calculate the order of priority on irrigation recovery for 141 schemes at the three states. To prepare the irrigation agriculture recovery plans, agricultural management plans and organizational capacity building plans in each scheme.</p> <p>F/S: 1) North Sumatra province irrigation scheme (2631ha): construction of intake structures, maintenance roads and farm fields, water canal repairs (22km<sup>2</sup>), enhancement of irrigation associations, spread of agricultural technology 2) Middle Java province irrigation scheme (3906ha): construction of water source facilities, construction and repair of maintenance roads, water canal repairs, enhancement of irrigation associations, spread of agricultural technology 3) South Sulawesi irrigation scheme (4037ha): intake structure repairs, maintenance roads and farm fields, water canal repairs (22km<sup>2</sup>), enhancement of irrigation associations, spread of agricultural technology</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (FY 2004 Domestic Survey)  
 There are activities to form a project for a Yen loan, placing irrigation improvement as the major component.

(FY 2005 Domestic Survey)  
 Some activities have been seen in forming Yen loan project for rehabilitation of irrigation facilities.

(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.

(FY 2006 Domestic and Overseas Survey)  
 No information to be specifically mentioned.

(FY 2007 Domestic Survey)  
 No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.2005

Revised Sep.2010

ASE IDN/S 201/03

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Integrated Transportation Master Plan for JABOTABEK in the Republic of Indonesia (Phase 1)		
<b>3. SECTOR</b>	Transportation	/ Urban Transportation	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Natal Development Planning Agency	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To formulate a goal for traffic system maintenance which should be accomplished in 20 years from now and presentation of traffic policy/project correspondence to the goal. The purpose of the goal is regional development and improvement of urban traffic problems which can allow people to live better lives.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International ALMEC Corporation		
<b>8. STUDY PERIOD</b>	Nov.2000 ~ Mar.2003 28month(s) ~		
<b>9. SITE OR AREA</b>	JABOTABEK area		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P: Based on the analysis of the current problems on urban transport in Jabotabek area, four main targets were established as follows;</p> <ol style="list-style-type: none"> <li>1. Efficiency in traffic system to support economic activities</li> <li>2. Equality in transportation service provided for all the people belonging to the society</li> <li>3. Improvement of transport circumstances</li> <li>4. Transport safety and security</li> </ol> <p>F/S: Out of SITRAMP Integration Transportation M/P projects, following four projects were set as targets for Pre F/S, as they were considered to be given higher priority.</p> <ol style="list-style-type: none"> <li>1. Planning to extend bus way</li> <li>2. Management of transport demand</li> <li>3. Doubling tracking for Serpong Line</li> <li>4. Second Jakarta outer ring road</li> </ol>		

PRESENT STATUS	Completed or In Progress	Promoting
		Completed Partially Completed Implementing Processing

**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 considered.

(FY 2005 Domestic and Overseas Survey)  
Two subsequent studies and 2 projects are in progress or are completed. Also, on TDM in center of Jakarta city, Jakarta state is considering to implement feasibility study in order to examine the details of the system toward the implementation.

Implemented project: East-West bus way improvement project  
Implementing period: 2 years from 2004  
Implementing body: DKI Jakarta Transport Department  
Objective: To extend bus way network by improving both the Blok M-Kota bus way and the East-West line. By doing so, it is expected to expand public transportation network, which is unaffected by road congestion caused by vehicle transport, and thus to promote public transportation use.  
Status: The improvement work for the bus way (an exclusive lane for buses) of the line extending east and west has already started because the East-West line is given the highest priority among the four lines proposed by M/P to be improved. Although the M/P proposed one route of the East-West line, DKI Jakarta changed the plan to divide it into two routes where buses would turn around at the center of the city.  
Funding: Own fund

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, 2005/Nov, dispatch of a mission by JBIC.

Subsequent study: Improvement of Serpong Line and development of areas along the line F/S  
Implementing period: 2006 (planned)  
Implementing body: Department of Public Work, Department of Transportation  
Objective: To improve Serpong Line, one of the suburban railroads in the metropolitan area of Jakarta, by double tracking and electrification work and also to improve access roads and developing station areas in an integrated manner. With those goals, it aims to tackle transportation issues by shifting the automobile-oriented transportation system toward a railway-based one.  
Status: The study has already completed. Department of Transport and Department of Public Work considers conducting F/S to examine details of the system for implementation.

Implemented project: Improvement of second Jakarta outer ring road  
Implementing period: 2006 (planned)  
Implementing body: Department of Public Work, local governments in Bodetabek area  
Objective: To ease traffic congestion due to concentration of vehicle traffic in the inner city of Jakarta and built-up areas by improving second Jakarta outer ring road which connects the city and the surrounding area, Bodetabek.  
Relation with the study: The study has already completed. The related local governments consider conducting F/S to examine details of the system for implementation.  
Status: As the Department of Public Work approved the improvement work for one part of the second outer ring road, between Jagorawi and Cinere, as a BOT project, the ministry is proceeding preparations for concession on this matter.

(FY 2006 Domestic Survey)  
No information to be specifically mentioned.

(FY 2008 Domestic Survey)  
No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Mar.2005

Revised Sep.2010

ASE IDN/S 202/03

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study for Development of the Greater Jakarta Metropokitan Ports of Indonesia		
<b>3. SECTOR</b>	Transportation / Port	<b>4. TYPE OF STUDY</b>	M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication, Ministry of Communications	
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Sea Transportation, Ministry of Transport	
<b>6. OBJECTIVES OF THE STUDY</b>	1) To identify the development potential of the ports in the Study Area and to define the future role of ports in the Study Area; 2) To prepare a port development/administration strategy in the Study Area comprising demand forecast, a port development concept including a role as an international/regional container hub port, a port administration / management system, introduction of privatization schemes, and so forth (target year 2025); 3) To prepare a master plan for comprehensive development/administration of Tanjung Priok Port and Bojonegara Port, taking into account proper functional allotment between two ports (target year 2025); 4) To prepare a short-term development/administration plan for Tanjung Priok Port and Bojonegara Port (target year 2012); 5) To carry out a feasibility study for the priority project (target year 2012).		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International The Overseas Coastal Area Development Institute		
<b>8. STUDY PERIOD</b>	~ ~		
<b>9. SITE OR AREA</b>	All the ports in the northern part of the coastal area in western Java (Tanjung Priok Port, Bojonegara New Port and other ports) as well as hinterlands of these parts		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>M/P:</p> <p>1. Master Plan for Tanjung Priok Port 1) Navigational Condition Improvement, 2) Automobile Terminal Development, 3) Re-organizing Land-use of the Existing Port, 4) Eastern Ancol Development, 5) Kalibaru Off-shore Development, 5) Road development/improvement in/around the existing port Environmental Improvement.</p> <p>2. Master Plan for Bojonegara New Port 1) Basic port facilities development 2) othe cargo terminal development 3) Port Access Development</p> <p>F/S:</p> <p>1.Components of Urgent Rehabilitation Project of Tanjung Priok Port 1) Widening of the channel and basin together with relocation of the existing breakwater for the purpose of increasing port capacity and navigational safety, accommodating larger vessels and improving safety of ship traffic 2) Maintenance of automobile terminal: fto correspond export-inport demand of AFTA. 3) Maintenance of the existing port area for: Reorganization of Pier selected as a priority project in FS. 4)Relocation of Passenger Terminal : Develop new passenger terminal in East ancol area. 5) Development of new port area in East-Ancol .(development of new passenger terminal, multi purpose terminal and access road): Redevelopment of congested current land-use. 6) Improvement of port inner road to increase port capacity.</p> <p>2.Components of Urgent Rehabilitation Project of Bojonegara New Port 1) Improvement of container terminals (provide service by 2010) 2) Improvement of multi-purpose terminals (provide service by 2008) 3) Improvement of breakwater, channel, basin: phased maintenance.</p>		

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

**Description :**  
(FY 2005 Overseas Survey)(FY 2006 Domestic and Overseas Survey)(FY 2007 Domestic Survey)  
Implemented project: The urgent rehabilitation project of the Tanjung Priok port  
Implementing body: Directorate General of Sea Transportation, Ministry of Transport  
Funding party: Yen Loan (L/A concluded on 31 March 2004)  
Funding amount: 12.052 million JPY  
Objective: To promote the efficiency of vessel transportation by extending sea routes and dredging the Tanjung Priok port, which is located at capital city Jakarta  
Status:  
(FY 2005 Overseas Survey) Implementation of second and third phase is planned.

(FY 2005 Domestic Survey)(FY 2007 Domestic Survey)  
Subsequent study: The detailed design study on the urgent rehabilitation project of the Tanjung Priok Port (coordinated D/D)  
Implementing period: February 2005 - January 2006  
Implementing body: JICA  
Objective: To shorten consulting 1 period contracted by the Indonesian government (DGSC) for early implementation through site survey and design of facility.  
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 the Tanjung Priok port as an urgent project. The Indonesian government requested a loan from JBIC, which the L/A was concluded in March 2004.  
The objective of the Study is to conduct necessary study, design, and to make bidding document for vendor selection, in order to implement facility construction targeted in the project.  
Status:  
(FY 2007 Domestic Survey) Construction of vehicle terminal has also been proposed as an urgent project. Request has been made by DGAC, but it 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 at 2005, though not considered due to unsettled issue of land acquisition.

(FY 2008 Domestic Survey)  
Invitation for consultants to the supervision works was issued on June 10, 2007. For this invitation, three consulting companies submitted P/Q documents and two submitted proposal documents. The Directorate General of Sea Transportation appraised these documents and selected one entity of JV with a consultant, which had no experience in Indonesia and a Dutch vendor. As of the end of February 2009, the director of Sea Transportation has been finalizing procedures, which is to be followed by the approval of JICA.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Jan.2006

Revised Sep.2010

**ASE IDN/S 101/04**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on the Development of Domestic Sea Transportation and Marine Industry in Republic of Indonesia (STRAMINDO)		
<b>3. SECTOR</b>	Transportation	/ Marine Transportation & Ships	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication (DGSC)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Implementing technical transfer for a part of an action plan implementation (public ship financial system and marine industry advanced education program) which was formulated in the study on the development of domestic sea transportation and marine industry master plan.		
<b>7. CONSULTANT(S)</b>	ALMEC Corporation		
<b>8. STUDY PERIOD</b>	Aug.2004	~	Feb.2005      6month(s)
<b>9. SITE OR AREA</b>	Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	1) Public vessel finance scheme: To finance vessel and shipyard entity qualified for domestic sea transport modernization 2) Advanced maritime education program: To provide educational programs on management related aspects except sailor education.		

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)

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2005 Domestic Survey)

Although the project is not short-listed between the two countries, 143 million USD was requested for domestic sea transportation and maritime fleet preparation project as JBIC two step loan.

(FY 2006 Domestic Survey)

The project was mentioned in the Project List with Foreign Assistance (alias Blue Book) which was edited by National Development Planning Agency (BAPPENAS).

Subsequent study: Public ship finance system

Technical cooperation

Dispatch of experts:

1 long-term expert and a few short-term experts

Period: From May 2006, Content: JICA started a technical cooperation project and a sea transport improvement project.

Other: The JICA Indonesia office ordered local consultants ship management survey and public ship finance program (Nov. 2006 - Mar. 2007).

(FY 2009 Domestic Survey)

Technical cooperation project: "The Project for Shipping and Sea Transportation Improvement" is scheduled to end in October 2010.

(FY 2009 Overseas Survey) No information.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Jan.2006

Revised Sep.2010

**ASE IDN/S 102/04**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Master Plan Study for the Strategic Policy of the Air Transport Sector		
<b>3. SECTOR</b>	Transportation	/ Air Transportation & Airport	<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) Identification of current issues and formulation of strategic policies for the air transport sector; 2) Recommendation on improvements in safety regulation of airlines, airport operators, and ATS providers, including preparation of a guideline for airport operation; 3) Preparation of long-term development strategies for airports and Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) targeting year 2025; 4) Preparation of short-term improvement plans for airports and CNS/ATM for urgent issues until 2009; 5) Recommendations on improvements in aircraft accident investigation and prevention; 6) Transfer of technologies to Indonesian counterparts in the course of Study.		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International		
<b>8. STUDY PERIOD</b>	Feb.2003	~ Jul.2004	17month(s)
<b>9. SITE OR AREA</b>	Entire Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<ul style="list-style-type: none"> <li>1. Improvements of safety management capacity of the Directorate General of Air Communications (DGAC)</li> <li>2. Improvement of aviation security and policy related capacity of the DGAC</li> <li>3. Improvement of recurrence prevention and investigation capacity of the Transportation Accident Investigation Committee</li> <li>4. Establishment of single ATS provider.</li> <li>5. Transfer of airport jurisdiction from DGAC to national airport entity, AP-I, AP-II, and regional authority.</li> <li>6. Enhancement of airport sub-sectors (New Medan Airport and Makassar Airport)</li> <li>7. CNS/ATM (air-traffic control system) sub-sector enhancement (ATM centre and airspace reorganization)</li> </ul>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2005 Domestic and 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.

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.

(FY 2006 Domestic Survey)(FY 2007 Domestic Survey)

Subsequent study: F/S on Next Generation Air Security System in Indonesia.

Implementing period: November 2006 - November 2007

Implementing body: JICA

Objective: 1) To study feasibility of priority projects necessary for an improvement of air traffic control through F/S of CNS/ATM management in Indonesia; 2) To review organizational restructuring of concerned parities in Indonesia and support practical process in order to establish a single ATS provider toward the establishment of a single ATS provider.

Funding party: JICA (development study)

Funding amount: 26 billion JPY

Contents: The project cost is consisted of constructing ATM center, communications, surveillance and weather information system, and cost of equipment and installation, reserve fund, consulting fee and tax. The Government of Indonesia has been in the process of selecting the funding body from Japan or other donors.

The relationship to the mentioned study is that as the mentioned study was formulated, the study plan of next generation air security system and its F/S is being implemented.

(FY 2009 Domestic Survey) No information to be specifically mentioned.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Jan.2006

Revised Sep.2010

**ASE IDN/S 103/04**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Regional Educational Development and Improvement Program (phase 2)		
<b>3. SECTOR</b>	Human Resources Developn / Education	<b>4. TYPE OF STUDY</b> M/P	
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Department of National Education	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Presenting specific and empirical tactics of efficient and workable regency centered local administration system under decentralization as well as presenting local inhabitants anchored efficient educational activities and schools under the local administration system through pilot projects.		
<b>7. CONSULTANT(S)</b>	International Development Center of Japan PADECO Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.2002	~	Mar.2005      38month(s)
<b>9. SITE OR AREA</b>	Central Java and North Slawesi		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<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-how and skills to promote participation of local people.</p> <p>Target: 33 Toko Perkakas Krisbow(TPK= district education administration system) in 33 provinces and 290 junior high schools</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>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2005 Overseas Survey)

Subsequent study: Regional Educational Development assistance program

Implementing period: September 2004 - September 2008

Content: The project will utilize the result of REDIP-I and REDIP-II. The focus of the project is to localize the system through local officials, who 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.

Others:

[North Slawasi province] The Bitun city which was a site of the subjected study, continuously implemented REDIP at 2nd phase as a project site. The governor of Bitun city who recognized high outcome of the project, made the project financially independent by covering all project cost with city budget from 2004 till now which has been phase 3 of the REDIP technical cooperation. The new governor who replaced the position in 2006, is estimated to ensure the budget for REDIP so that Bitun city achieved earliest financial independence and sustainability of REDIP in Indonesian regional governments.

[Central Java] In central Java, the developed REDIP has been in progress remarkably from 2005 with assistance and initiative of the provincial department of national education. The provincial department of national education conducts financial/technical assistant programs with limited provincial budget in order to give financial support and guidance to 5 regencies which have high self motivation toward independent REDIP implementation in the province. In 2005, each province began their small REDIP experiments depending on their financial condition via long preparation period. JICA continues their technical support to the provincial department of national education and to 5 of regency department of national education by allocating a full-time field consultant despite JICA does not provide financial assistance with those projects at all.

(FY 2007 Domestic Survey)

Implemented project: REDIP - Central Java Province

Implementing period: January - December, 2007

Objective: to conduct a pilot project of a REDIP model

Target areas: Kabupaten Rembang (4 countries, 8 schools), Kabupaten Tegal (2 countries, 4 schools), Kabupaten Semarang (2 countries, 4 schools), Kabupaten Sragen (2 countries, 4 schools), Kabupaten Blora (2 countries, 4 schools)

Funding: Central-Java Education Bureau (125 million IDR), Kabupaten Rembang Education Bureau (25 million IDR)

Contents: Targeting 5 districts in Central Java Province, TPK has been established for each selected 2 Kabupaten. Study sessions for each subject have been held for teachers of all secondary schools in the Kabupaten. Two schools from each province had been selected, and each school implemented proposal based subsidizing activities. Each TPK received 2.5 million IDR and each school received 5 million IDR. One field consultant, employed by the Technical Project REDIP, has supported the Central-Java Education Bureau and five kabupaten education bureau.

Implemented project: REDIP - Banten Province

Implementing period: January - December, 2007

Objective: to conduct a pilot project of a REDIP model

Target areas: Kabupaten Lebak (5 countries, 40 schools)

Funding: Banten Education Bureau (1.12 billion IDR)

Contents: TDK had been established in each five county and held following events: series of education campaigns; regular meetings targeted principles of all secondary schools; study sessions for each subject targeting every high school teachers in Kabupaten; athletic event; music festivals; and speech contests in order to improve and promote education by resident participatory approach. Each school received grant by proposals and implemented activities corresponding to its current situation. Each TPK received 24 million IRD and each school received 25 million IDR. Two field consultants, employed by the Technical Project REDIP, have supported the Central-Java Education Bureau and five kabupaten education bureau.

(FY 2009 Domestic Survey)

Technical cooperation project; "Regional Education Development and Improvement Program"

(Purpose) School-based management with community participation model; which is based on the bottom-up approaches such as the community participation and the giving schools major roles of headquarters, is established and extended in the educational administration system at junior secondary level in the target districts/ municipalities. In addition, make this model to be sustainable and viable, by own budget of the district and the human resources.

(Implementation Period) 2004.9 - 2009.8

(Effectiveness)

1. After the end of this project, Brebes and Pekalongan Districts in Central Java Province, and Bitung Municipality in North Sulawesi Province, they continue the activities by themselves using the provincial human resources and budget.
2. The Provincial Education Office of the Central Java Province started to operate the participatory school-based management activities in five districts of that province, by injecting its provincial budget.
3. The Provincial Education Office of the North Sulawesi Province started to operate the participatory school-based management activities based on the school-based management with community participation model, in its districts and municipalities by injecting its provincial budget.
4. From 2006, junior secondary education department; that is a part of Primary and Secondary Education Management office, Ministry of National Education, has been applying the school-based management with community participation model targeting the three surrounding districts of Jakarta, by injecting its own budget and human resources.
5. Pandeglang and Serang Districts in Banten Province became target regions of the next JICA technical cooperation project ("Program for Enhancing Quality of Junior Secondary Education").
6. The Provincial Education Office of Banten Province started the activities of participatory school-based management by applying the school-based management with community participation model, targeting one district of Banten, with its own budget and human resources.

Technical cooperation project "Program for Enhancing Quality of Junior Secondary Education"

(Purpose) The capacity of national as well as local education administration and schools are strengthened in order to disseminate and implement participatory school-based management (PSBM) and Lesson Study (LS) whose roles are vital to enhancement of quality of education.

(Implementation Period) 2009.3 - 2013.2

(FY 2009 Overseas Survey) No information.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Feb.2007

Revised Sep.2010

**ASE IDN/S 101/05**

<b>1. COUNTRY</b>	Indonesia								
<b>2. NAME OF STUDY</b>	The study on the urgent rehabilitation and reconstruction support program for Aceh Province and affected areas in north Sumatra (urgent rehabilitation and reconstruction plan for Banda Aceh City) in the Republic of Indonesia								
<b>3. SECTOR</b>	Social Infrastructure	/ (Social Infrastructure in) General	<b>4. TYPE OF STUDY</b> M/P						
<b>5.</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b></td> <td colspan="2"></td> </tr> <tr> <td><b>PRESENT COUNTERPART AGENCY</b></td> <td colspan="2"></td> </tr> </table>			<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			<b>PRESENT COUNTERPART AGENCY</b>		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>									
<b>PRESENT COUNTERPART AGENCY</b>									
<b>6. OBJECTIVES OF THE STUDY</b>	(i) Formulation of Urgent Rehabilitation and Reconstruction Plan for Banda Aceh City with a target year 2009, (ii) Designing, Cost Estimation and Monitoring of Quick Impact Projects, and (iii) Establishment of Aceh Rehabilitation and Reconstruction Information System (ARRIS).								
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Yachiyo Engineering Co., Ltd. PASCO Corporation								
<b>8. STUDY PERIOD</b>	Mar.2005 ~ Mar.2006		12month(s)						
<b>9. SITE OR AREA</b>									
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1.City Development Planning:</p> <p>1) Preparation of city development planning: Multi-linkage development model has been proposed.</p> <p>2) City zoning: The city area is proposed to be classified into four zones; (i) Coastal Zone, (ii) Eco Zone: Evacuate Area, (iii) Traditional City Center Zone: Escape Guiding Area, and (iv) Urban Development Zone: Emergency Base - Disaster Mitigation Center. The land use plan is prepared based on the proposed urban development concept, proposed zoning and in due consideration of the present land use pattern and usable land after the disaster.</p> <p>3) Housing development: The required number of houses is estimated at 23,900 in 2009.</p> <p>4) Disaster prevention planning: Higher priority on non-structural measures, such as education for disaster prevention.</p> <p>5) Rehabilitation and reconstruction working: Bottom-up approach and top-down approach must be harmonized in order to create living environment prepared for the disaster.</p> <p>6) Introduced (i) general approach to village planning, (ii) general approach to micro plan, and (iii) case studies for micro planning.</p> <p>2.Sector Development Planning:</p> <p>1) Water Supply and Sewage System: (1) Reinforcing PDAM staffing, (2) Urban drainage rehabilitation, (3) Recovery and expansion of human excrement treatment plant (IPLT) and reinforcement of Sanitary and Park Department (DKP).</p> <p>2) Dumping Sites: The city administration is recommended to develop a new site or expand the existing site to allow immediate and increasing garbage and solid waste.</p> <p>3) Health and medical cares sector focuses on the rehabilitation of damaged health care centers and to resume regular health services in rehabilitation stage by 2006.</p> <p>4)Among the education sector programs, priority project is mainly divided into four categories; (i) restoration of school infrastructures, (ii) teacher production and training for in-service teachers, (iii) scholarship to orphans who lost parents by tsunami, and (iv) upgrading the capacity of education administrators.</p>								

インドネシア国北スマトラ沖地震津波災害緊急復旧・復興支援プログラム(バンダアチェ市緊急復旧・復興支援プロジェクト) (社会開発部)

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2006 Domestic Survey)(FY 2007 Domestic Survey)

Implemented project: Non-project Grant Aid Cooperation

Funding:

Funding party: JICA (E/N concluded: 17 January, 2005)

Funding amount: 14.6 billion JPY

Contents: 1) Community roads (evacuation roads), 2) Community halls (evacuation centres), 3) Urgent rehabilitation of the third district sewage facility in Banda Aceh (pump facilities, water gates, retarding ponds), 4) Urgent rehabilitation of the fifth district sewage facility in Banda Aceh (pump facilities, water gates, retarding ponds)

Progress:

(FY 2006 Domestic Study) Certain progress has been made for development project in Ulee district, and P.T. Istaka Karya has won the tender of the project and is now in construction phase.

(FY 2008 Overseas Survey)

The result of the Development Study has been adopted to policies and development plan. Rather, it has been utilized in preparing policies, plans, and so on. The Banda Aceh City government, under assistance of BRR, has conducted further study on the spatial plan as above completed in order to avoid possible conflict with Aceh Besar Regency in respect of the administrative boundary and with new target year 2016. This latest spatial plan was completed in February 2007. Since then, the city government has been placing emphasis on legislation of the latest spatial plan through deliberation at its parliament.

(FY 2008 Domestic and Overseas Survey)

1. Infrastructure Rehabilitation and Reconstruction Plan

43 projects were proposed in 7 sector, "Road & Transportation", "Water Supply", "Urban Sanitation", "Solid Waste Management", "Drainage Facilities", "Health & Medical Care", "Education". Most of the projects are in implementation or completed. The funding party are recipient government (BRR and local government), ADB, USAID, GTZ, UNICEF, government of Japan, and etc. Project which funding was from cooperation of Japan are PDAM Corporate Plan, Water pumping station, drainage channel, rehabilitation of dykes & floodway, and etc.

2. Disaster Prevention Plan (construction of evacuation roads, evacuation buildings, and etc.)

8 projects were proposed and most of them are in implementation or completed. The funding party are recipient government(BRR and local government) and government of Japan. Project which funding party was government of Japan are construction of 3 evacuation building, structuring GIS database, and etc.

3. The Banda Aceh City Plan targeting year 2009 (extended to 2015 afterwards by additional study)

The local government has been working on ordinance of city planning by its own fund. At the moment of January, 2009, it is planned to be approved at an early date. The city plan which is working on ordinance recently, is targeted to the year 2016.



# STUDY SUMMARY SHEET

## (M/P)

Compiled Feb.2007

Revised Sep.2010

**ASE IDN/A 102/05**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The support program for agriculture and fisheries development in the Republic of Indonesia		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	National Development Planning Agency (BAPPENAS), Ministry of trade, Ministry of Home Affair, Ministry for Women's Empowerment	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) Formulating an agricultural and marine industry sector program targeting the entire Indonesia 2) Monitoring the implementation of action plans		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	May.2002 ~ Jun.2005 37month(s) ~		
<b>9. SITE OR AREA</b>			
<b>10. MAJOR PROPOSED PROJECT(S)</b>	Sector Programs and Action Plans(Except the matters carried over or completed): 1.Improvement program for agricultural institution and production support 1)To reinforce self management type agricultural cooperative targeting the market distribution 2)Project for the Beef Development Plan Based on Resources in East Indonesian Regions 3)Reinforcement plan for the good quality seed potato multiplication and distribution network system 4)Expansion plan for the good quality soy been seed multiplication and distribution system  2.Program for the improvement of agricultural production infrastructure and its maintenance 1)Komerling Irrigation Project (phase2)  3.Program for the sustainable use of aquatic resources 1)Project to manage, develop and popularize marine resources 2)Project for Sustainable Coast Fishery Promotion 3)Jakarta Fishery Harbor Rehabilitation Project  4.Promotion program for agricultural and fishing rural communities 1)Survey on Income Growth for Farmers: Agricultural Processing and Rural Finance  5.Program for agricultural and marine products market improvement/reinforcement 1)Reinforcement project for the local agricultural products delivery center		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2006 Domestic Study)

No information to be specifically mentioned.

(FY 2006 Overseas Study)

Funds (4 million USD) were requested to implement the coastal fishery rehabilitation project in East and West Nusa Tenggara, which was proposed in the heading study.

Subsequent Study: Study of the encouragement for agricultural and fishing villages in NTT and NTB province

Implementing body: OISCA International

Objective: 1)Effective method of forming fishery groups that contribute to improve level of life for the fishery communities and Study of the related matters in East and West Nusa Tenggara. 2)Preparation of the basic information related to fishery in the target area.

(FY 2007 Domestic Study)

Subsequent Study: Survey on Income Growth for Farmers: Agricultural Processing and Rural Finance

Implementing body: Ministry of Agriculture, Department of Plan and Finance /JICA

Implementing period: Jun. 2005 to Jul. 2007

Funding:

Funding party: JICA(Development Study)

Objective: To make a proposal about forming and making a policy and a measure concerned with promotion for Agricultural Processing and establishment of scheme of Rural Finance that contribute to the Income Growth for Farmers.

Implementing Project: Beef Development Plan Based on Resources in East Indonesian Regions

Implementing body: JICA

Implementing period: Nov. 2006 to Nov. 2011

Implementing Project: Project for Sustainable Coast Fishery Promotion

Implementing body: Ministry of Maritime Affairs and Fisheries/JICA

Implementing period: Aug. 2006 to Aug. 2009

Funding:

Funding party: JICA(Technical Cooperation Project)Funds on hand

Funding amount: JPY 230 million

(FY 2008 Domestic Survey)

Proposed program and projects have been implemented.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Feb.2007

Revised Sep.2010

ASE IDN/S 201/05

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Republic of Indonesia, the urgent rehabilitation and reconstruction support program for Aceh Province and affected areas in north Sumatra : rehabilitation and reconstruction of west coast road in North Sumatra		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	National Development Planning Agency (BAPPENAS)	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	Collecting and analyzing basic information in order to formulate rehabilitation plan for Asian tsunami affected west bank roads between Banda Aceh and Meulaboh in north Sumatra region.		
<b>7. CONSULTANT(S)</b>	Katahira & Engineers International		
<b>8. STUDY PERIOD</b>	Mar.2005 ~ May.2005 2month(s) ~		
<b>9. SITE OR AREA</b>	West coast road in North Sumatra, Aceh Province(247 Km of roads between Banda Aceh and Meulaboh)		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Budget for the proposed project: Roughly-estimated JPY 18,800 million construction areas are divided into 4 areas. Rehabilitation project for west bank roads between Calang and Meulaboh in north Sumatra region: Content of the construction for planned roads restoration which target at 122.32 Km between Calang and Meulaboh in the north Sumatra west bank roads(including 7.95 km of 3 zones total for accessing roads), are as follows:</p> <p>1. Roads rehabilitation(restoration of the former west bank roads, pavement of bypass roads etc)</p> <p>1) Former west bank roads zone(width of road pavement/6m): Overlay, road shoulder restoration, road embankment for bridge attachment: 52.61Km</p> <p>2) Bypass roads zone(width of road pavement/6m): New pavement of newly constructed bypass roads: 13.18Km</p> <p>3) Regional roads zone(width of road pavement/4.5-5m): Overlay, new construction of pavement, embankment for flooded zone etc: 54.83Km</p> <p>2. Bridges restoration(rebuilding bridges for tsunami damaged bridges, for temporary bridges on regional roads)</p> <p>1) Bridges for large-middle rivers: Replacing by steel girder bridged: Total length of 3 bridges/300m</p> <p>2) Bridges for small rivers: Replacing by RC slab bridges: Total length of 17 bridges/370.6m</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Promoting  Delayed or Suspended  Discontinued or Cancelled
<p><b>Description :</b>  (FY 2006 Domestic Survey) (FY 2007 Domestic Survey)  Implemented Project: Rehabilitation of Calang and Meulaboh section of western coastal road in North Sumatra  Implementing body: Ministry of Public Works (PU), Aceh Province  Implementing period: July 2005 - January 2007  Funding:  Funding party: Japanese Non-project Grant Aid for Sumatra Earthquake and Tsunami damage rehabilitation  Funding Amount: 4.1 billion JPY  Contents:  Road rehabilitation: In the north Sumatra west bank roads, between Calang and Meulaboh (122.32km/including 7.95km of 3 zones total for accessing roads)  1. Roads rehabilitation (restoration of the former west bank roads, pavement of bypass roads etc)  1) Former west bank roads zone (width of road pavement/6m)  2) Bypass roads zone (width of road pavement/6m)  3) Regional roads zone (width of road pavement/4.5-5m)  4) Soft ground zone(countermeasure construction of soft ground zone[geotextile+sandfill])  2. Bridges restoration (rebuilding bridges for tsunami damaged bridges, for temporary bridges on regional roads)  1) Bridges for large-middle rivers: Replacing by steel girder bridged  2) Bridges for small rivers: Replacing by RC slab bridges  Operation body after the construction: Department of Public Work(part of regional road zone: west Aceh Province)  Progress:  (FY 2006 Domestic Survey) 80% of all construction has been completed. The 33km of zone between Calang and Tenom, a part of the planned roads, was completed in October 2006. The rest of the zone is scheduled to be completed in December 2006.  (FY 2007 Domestic Survey) The construction was completed in January 2007.   (FY 2008 Domestic Survey)  All of the relevant projects have been completed.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Feb.2007

Revised Sep.2010

ASE IDN/S 202/05

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Major airports security system enforcement plan in the Republic of Indonesia		
<b>3. SECTOR</b>	Transportation	/ Air Transportation & Airport	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Air Communication, Ministry of Communications, DGAC	
	<b>PRESENT COUNTERPART AGENCY</b>	Directorate General of Civil Aviation, Ministry of Transportation	
<b>6. OBJECTIVES OF THE STUDY</b>	The aim of this study is to improve confirmed weakness as well as to recommend solutions with admonitions and results regarding auditability, inspection capability, security agencies, regulations, law, progress of normative implementation which were indicated in the 17th appendix of the ICAO's audit report.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Apr.2005 ~ Jul.2006 15month(s) ~		
<b>9. SITE OR AREA</b>	10 major airports in Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>The study provided further insights into following matters:</p> <ol style="list-style-type: none"> <li>1) Readjustment of national civil aviation security plan and national aviation security commission. Admonition of solutions for weak matters which was evaluated in the weakness assessment.</li> <li>2) Wide analysis of management frameworks regarding airports security including airport security planning.</li> <li>3) Recommendation for efficiency growth of security countermeasures, clarification of airport staffs/institutional responsibilities as well as for improvement of coordination methods in national level.</li> <li>4) Organizational reinforcement and enhancement of DGAC security audit departments based on policies and regulations which are model of airport security.</li> <li>5) Preliminary design of security equipments and facilities in international airports.</li> </ol> <p>Proposal of the subjected study was made regarding as follows</p> <ol style="list-style-type: none"> <li>1) National Civil Aviation Security Plan(NCASP), 2) Airports Security Plan(ASP), 3) National Aviation Security Training Plan(NASTP), 4) Functional reinforcement, 5) Personnel shortage, 6) Moral enhancement, 7) Education and training(1. Security training process, 2. Awareness training), 8) Security devices and facilities (1. Devices and facilities, 2.Security devices database), 9) access control, 10) auditing and inspection system (1. Development of Plan-Do-See system, 2.Classification of airports for inspection implementation, 3.National civil aviation security quality control plan), 11) budgetary steps for security by the DGAC.</li> </ol> <p>Also, as proposed projects, below 3 projects are recommended.</p> <ol style="list-style-type: none"> <li>1) Reinforcement strategy for security devices and facilities.</li> <li>2) Improvement of education and training for airport security staffs.</li> <li>3) Implementation of examinations and trainings for contingency</li> </ol>		

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

**Description :**  
(FY 2006 Overseas Survey)(FY 2007 Domestic Survey)  
Implemented project: Airport security training  
Implementing period: November 2006 - 30 September, 2007  
Implementing body: JICA, the Directorate General of Air Communications (DGAC).  
Objective: Technical transfer to Indonesian counterparts for continuous monitoring, testing program and training in the ASP, which was recommended in the development study in 2005.  
Contents: Implementing security training at airports of Jakarta, Bali, Surabaya, Medan and Batam and the private aviation security training center at the Ministry of Transport.  
Funding:  
Funding body: JICA (Technical cooperation project (E/N concluded at 18 August, 2006)  
Amount: 30 million USD  
(FY 2008 Domestic survey)  
Contents of technical transfer - (1) Draw up a scenario, (2) Training assessment procedure, (3) Coordinate with related authorities, (4) Implementing emergency drills.

(FY 2007 Domestic Survey)  
Public announcement of the basic design study for the installation of aviation security equipment recommended in the mentioned study, has been made by JICA. The study aims to accelerate the ASP and contains the following components: procurement of airport security equipment at high priority airports (Jakarta, Bali, Surabaya, Medan, Batam) and equipment for security staff training, and considering validity of the requested grant aid.

(FY 2008 Domestic Survey)  
Subsequent study: Improvement of the security equipment in major airports  
Funding: Basic Design Study  
Implementing body: DGCA  
Implementing period: June 2008 - December 2008  
Contents: (1) Target locations: 6 airports, 5 training centers, (2) Summary of the study - 1) Maintain safety inspection equipment and security organizations at the six major airports, 2) Maintain education and training center for safety inspection staff.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

(D/D)

Compiled Feb.2007

Revised Sep.2010

ASE IDN/S 401/05

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Detailed design study of the urgent rehabilitation project of the Tanjung Priok port in the Republic of Indonesia		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> D/D
<b>5.</b>	Directorate General of Sea Communications(DGSC), Pelabuhan Indonesia(PELINDO II)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	1)Based on the urgent reform plan of Tanjung Priok Port which was proposed in the JICA Development Study (IDN/S 202/03), the following matters are scheduled to be committed. (1) Improvement of sea routes and anchorages (2) Breakwater relocation (3) Improvement of harbor roads. in addition, the following designs and surveys are due to be implemented:(1)Survey of natural conditions and present situations and Simulation of water flow,(2)Design of support centers for sea routes and anchorages,(3)Design of breakwater relocation,(4)Design of harbor roads,(5)Design of Pasos flyover(6)Project Execution Plan(7)Project Evaluation and Recommendations.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Japan Port Consultants Co., Ltd.		
<b>8. STUDY PERIOD</b>	Jan.2005 ~ Mar.2006 14month(s) ~		
<b>9. SITE OR AREA</b>	Tanjung Priok Port		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1) Implementation of the subjected project is technically, economically, environmentally proper and reasonable.</p> <p>2) Implementation of construction safety measure and establishment of traffic safety management organizations by DGSC and IPC-II.</p> <p>3) Monitoring and implementation of environment management plan and establishment of environment management commission by DSS and IPC-II.</p> <p>4) Maintenance of breakwaters functions through the continuation of breakwater sinking observation and maintenance of breakwaters, planning fairway maintenance program, and constant implementation of bathymetry by IPC-II</p> <p>Proposed project budget:</p> <p>Package-I including marine constructions such as breakwaters and channel dredging: JPY 9,301 mil.</p> <p>Package-2 including harbor roads constructions and Passo flyover construction: JPY 1,531 mil.</p> <p>Total: JPY 11,767 mil.</p>		

PRESENT STATUS	Completed or In Progress Completed Partially Completed Implementing Processing	Promoting Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>  (FY 2006 Overseas Survey)  Funding from JBIC was conducted for the Tanjung Priok Port reform project.</p> <p>(FY 2007 Domestic Survey)  Implemented Project: Tanjung Priok Port urgent reform project.  Implementing Body: Directorate General of Sea Communication, Department of Transport  Funding:  Funding party: Yen Loan(L/A Date of conclusion: Mar. 31, 2004)  Funding Amount: 12.052 million JPY  Contents: Engineering works, procurement of machinery and materials, consulting service necessary for the widening sea routes and the dredging sea routes and anchorages by the improvement of the breakwater.  Objective: To improve the efficiency in traffic of ships by executing reform activities e.g., widening and dredging sea routes at Tanjung Priok Port situated in Jakarta, the capital city.  Progress:  (FY 2007 Domestic Survey) In order to find Consultants engaging in Consulting Services (Operations Management), the invitations were sent to seven companies to request to submit their proposals. However, only one group of the Consulting company submitted the proposal by the deadline, Oct. 2006. With regard to this, the Indonesian Government decided that the proposal was invalid according to their selection guideline which requires more than one proposal submission, and the reexamination of applicants' qualifications was conducted in 2007. The approval procedures for the result of the examination is now in progress, and therefore the date of the second proposal has yet fixed. The agent will be provided through reconsideration of the Tender Documents after the selection of Consultants.</p> <p>(FY 2008 Domestic Survey)  No information to be specifically mentioned.</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.



# STUDY SUMMARY SHEET

(D/D)

Compiled Jan.2008

Revised Sep.2010

ASE IDN/S 402/05

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Datailed Design Study of Railway Electrification and Double-Double Tracking of Java Main Line Project in Indonesia		
<b>3. SECTOR</b>	Transportation	/ Railway	<b>4. TYPE OF STUDY</b> D/D
<b>5.</b>	Directorate General of Land Communications		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	Detail design of conducting double-double tracking in Java Main Line of Indonesia and railway electrification project, and establishment of bidding specification document(scheme) (1) extend about 17km of double-double tracking section(Manggarai to Bekasi), (2) extend about 17km of railway electrification section(Bekasi to Cikarang)		
<b>7. CONSULTANT(S)</b>	Pacific Consultants International Japan Railway Technical Service		
<b>8. STUDY PERIOD</b>	Jan.2002 ~ Mar.2005 38month(s) ~		
<b>9. SITE OR AREA</b>	Republic of Indonesia		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>(1) Basic Design :</p> <p>1) collecting and analyzing relevant information : a: collecting and analyzing relevant references and reports b: present review of transportation</p> <p>2) review of relevant survey : demand forecasting, transit plan, facilitation plan, evaluation of influence to the environment(resident transfer plan), analysis of economy and finance, etc.</p> <p>3) preliminary survey : relevant organization, present state of railway transportation, designing standard, etc.</p> <p>4) survey of natural condition and other : location survey, soil property, hydrologic survey</p> <p>5) basic design : transit plan, roadbed, station and maintenance facilities(civil engineering, construction, etc.), business facilities(rail track, electrical facilities, mechanical facilities, etc.), scheme of execution(plan to changeover the rail track), gross estimate of the construction expense</p> <p>(2) Detail Deign :</p> <p>1) detail design : civil engineering(road bed, bridge, elevated bridge, station square), construction(station house, garage, maintenance facilities), rail track(main line, base line), relevant mechanical facilities, signal facilities, communication facilities, substation facilities, electrical power facilities, detail design of electrical railway facilities, scheme of execution(plan to changeover the rail track)</p> <p>2) bidding specification document(scheme),etc.(document of qualification examination, quantity survey document of construction expense, document for bidding, etc.)</p> <p>3) plan of management and operation, construction process plan</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (FY 2008 Domestic Survey)  
 Subsequent study: Supervision of the work for railway electrification and Double-Double tracking of Java Main Line (review study)  
 Objective: To review the design of the study of railway electrification and Double-Double tracking of Java Main Line, to assist bidding and to supervise the work.  
 Implementing period: 2006-2013  
 Contents: Double-Double tracking section: Manggarai to Bekasi, Electrification section: Bekasi to Cikarang.

Bid preparation is in progress.

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# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Dec.2007

Revised Sep.2010

ASE IDN/S 201/06

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	Study on Implementation of Integrated Spatial Plan in MAMMIN		
<b>3. SECTOR</b>	Development Plan	/ Integrated Regional Development Plan	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5. COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Human Settlement and Regional Infrastructure MAMMINASATA Metropolitan Development Cooperation Board		
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) To make General Plan for Mamminasata Metropolitan Area 2) Implementation of Pre-feasibility Study targeting 4 priority matters		
<b>7. CONSULTANT(S)</b>	KRI International Corporation Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Mar.2005 ~ Aug.2006 17month(s) ~		
<b>9. SITE OR AREA</b>			
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>General Plan Target Year: FY 2020 Project/Program:</p> <p>1)Economic Development Support Program:(1)Expansion and Diversification of Agricultural Production,(2)Improvement of Added Value in Manufacturing Process,(3)Reinforcement of Investment and Trade,(4)Support to the Industrial Accumulation of Specified Primary Products</p> <p>2)Urban Environment Improvement Program:(1)Improvement of Water Supply in Cities and Prefectures(2)Sewage Treatment(3)Disposal of Solid Waste(4)Greening and Riparian Environment Improvement</p> <p>3)Economic Infrastructure Improvement Program:(1)Mamminasata Main Road Improvement(2)Improvement of Traffic Demand Management(3)Improvement of Electric Transmission and Supply</p> <p>4)Urban Management and Institution Reinforcement Program:(1)Organization Reinforcement(2)Improvement of Law and Institutions(3)Information Management Reinforcement</p> <p>Pre-feasibility Study</p> <p>1.Project for Improvement of Water Supply System in Maros and Takalar(Cost of Project: USD 2.08 million) 1)Maros: Improvement and Expansion of Water Supply System by using 180 lit/sec of Spring Water 2)Takalar: Water Supply by using 25 lit/sec of Groundwater</p> <p>2.Waste Management Improvement Project by Improvement of Final Disposal Site(Cost of Project: USD 3.59 million) Rough Design of Final Disposal Site in Pattalassang Area in Gowa, including Facilities such as Semi-aerobic Landfill System, Leachate, Gas Control</p> <p>3.Project for Expansion of Substation Capacity and Rehabilitation of Electricity Distribution System(Cost of Project: USD 1.23 million) Expansion of Capacity to 180 MVA, and Replacement and Extension of Medium/Low Voltage Distribution Lines in Panakkukang, Tanjung Bunga, Maros and Sungguminasa</p> <p>4.Perintis-Urip Road Widening Project(Cost of Project: USD 4.11 million) Widen the Road to 42m width</p>		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>            (FY 2007 Domestic Study)            Subsequent Study: Special Assistance for Project Formulation(SAPROF) about Waste Management Project in Mamminasata Metropolitan Area            Implementing body: Ministry of Public Works, Directorate General of Human Settlement/JBIC            Implementing Period: From Jul. 2007 to Feb. 2008            Objective: To analyze problems of the existing Waste Management System. Based on it, to examin Wide Area Waste Management System Plan and Project Implementation/Maintenance Management System targeting 1 city and 3 prefectures in Mamminasata Metropolitan Area, and also to confirm Social Environment. To promote Forming Plan in this Project throughout these steps.            Relation with the Heading Study: The results of General Development Plan and Pre-feasibility Study in the Heading Study</p> <p>(FY 2009 Domestic Survey)            Projects below are in operation;            1. Widening road sections            (1) Project Objective : This project aims to reduce traffic jam on highway around the Metropolitan Mamminasata            (2) Funds : Private funds            (3)Condition : In operation</p> <p>2. Regional Solid Waste Management for Mamminasata, South Sulawesi            (1) Project Objectives : By introducing a broad waste management system targeting various local governments in the Metropolitan Mamminasata which is centered around the provincial capital of South Sulawesi, Makassar, the project aims to promote proper waste disposal in the region and to contribute to improve living and sanitary condition of the local inhabitants, for environment conservation, and to strengthening administrative capacity of the local government.            (2) Project Site/Target Area : South Sulawesi province            (3) Project Overview : 1)Building sanitary landfill, 2)Maintaining access roads, 3)Building Makassar transit point, 4)Obtaining equipments(heavy machineries for facility operation, vehicles for junction transportation), 5)Consulting service (assisting with bidding, supervising operation, etc)            (4) Total Operating Expenses : Total Operating Expenses: 4.947 billion yen(Grant aid amount: 3.543 billion yen, L/A signed on March 30, ,2010)            (5) Schedule of Project Implementation : Scheduled from March 2010 to April 2015</p> <p>3. Project on water supply improvement</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Dec.2007

Revised Sep.2010

ASE IDN/S 202/06

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on the Port Security Enhancement Program of Major Indonesia Trade Ports		
<b>3. SECTOR</b>	Transportation	/ Port	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Sea Communication, Ministry of Communications	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) making up manual for establishment of port and harbor security plan and establishing plans in important port and harbor 2) development of operation structure and organization in the security plan 3) reinforcement of education and training organization structure and making up curriculums		
<b>7. CONSULTANT(S)</b>	The Overseas Coastal Area Development Institute Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Apr.2005 ~ Jul.2006 15month(s) ~		
<b>9. SITE OR AREA</b>	26 main port and harbor including 24 strategic port and harbor		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	In 26 main ports and harbors including 24 strategic ports and harbors 1. security measures that should be developed urgently 2. revision of security standard and reinforcement of security structure in port and harbor 3. development of education and training structure		

PRESENT STATUS	Completed or In Progress	Promoting
	Completed Partially Completed Implementing Processing	Delayed or Suspended Discontinued or Cancelled
<p><b>Description :</b>  (FY 2007 Domestic Survey)  Subsequent Study : Survey of Basic Design of Security Equipment Development Plan in Port and Harbor of Indonesia  Implementing Period : from October, 2007 to April, 2008  Implementing Body : Directorate General of Sea Transportation, JICA  Objective : reinforcement of port and harbor security operation structure of main harbor in Indonesia  Contents : In order to provide CCTV camera system and other at international container terminal, international passenger terminal, and other international terminal, consider about utilization of each equipment and its location planning, and make the estimate of total project expense, maintenance and operation expense, and other.</p> <p>(FY 2009 Domestic Survey)  Improvement of Port Security System  (Objective)  Port security enhancement of port facilities which are the international logistics hub can contribute a lot to Indonesian economic activities, to improve people s lives, as well as stable to create a favorable trade and invest climate between Japan and Indonesia.  (Project Overview)  Installing security devices below at 8 main ports in Indonesia (Belawan, Dumai, Tanjung Pinang, Palembang, and Benoa, Pontianak, Benoa, and Makassar)  (1)54 CCTV Camera, (2)23 lightning facilities, (3) 29 speakers (at 7 ports), (4) 2 x-ray screening machines, (5)3 metal detectors  (Implementing Agency)Ministry of Transportation , Port Corporations  (Cooperating Agency)JICA  (Implementing Period)2009-2010  (Funds)Grant aid(2008.6)  (Current condition)in operation</p>		

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008,FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Jun.2009

Revised Sep.2010

ASE IDN/A 101/07

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on the Improvement of Farmers Income: Agricultural Processing and Rural Microfinance in Indonesia		
<b>3. SECTOR</b>	Agriculture / (Agriculture in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	MINISTRY OF AGRICULTURE		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	<p>(1) To prepare policy recommendations for the Government of Indonesia (GOI) in its formulating / implementing possible future policies for the promotion of agricultural processing and rural micro-finance to improve farmers' income,</p> <p>(2) To transfer relevant technical skills/knowledge to the Indonesian counterpart personnel through on-the-job training during the course of the Study.</p>		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd.		
<b>8. STUDY PERIOD</b>	Nov.2005 ~ Dec.2005                      1month Jul.2006 ~ Aug.2007                      13month(s)		
<b>9. SITE OR AREA</b>	Five Kabupaten consisting of Cirbon, Kuningan and Majalengka in West Java Province, and Mojokerto and Kediri in East Java Province, the total area of which extends over 4,300 km <sup>2</sup> .		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1.Effects of linkage for processing and finance is assumed that: (i) MFI will enable Kelompok Tani to improve and expand their agribusiness, (ii) activities in the linkage will provide Kelompok Tani with environment and circumstances to create their own business mindset, (iii) MFI will provide more convenient financial access to the community members who currently do not get sufficient accessibility and (iv) MFI will involve the community members surrounding Kelompok Tani, and some members are expected to join or start the processing business.</p> <p>2.As an implementation model for finance scheme, the study hereby proposes to focus the aspect of "Rural Finance: improving accessibility to finance." Strengthening of Rural Non-Bank Embryo Microfinance Institutions (Rural Embryo MFIs) developed from SHG formed under the previous project is proposed targeting 10 Rural Embryo MFIs, Federation of Lembaga Keuangan Mikro in 5 sample Kabupaten. This model aims to develop Embryo MFIs using lessons learnt from previous programs of supporting poor farmers with micro-business in order to: (i) increase income and build assets of the Rural Embryo MFI members, (ii) to strengthen the capacity of Rural Embryo MFIs to become the real community bank in the remote area, and (iii) to establish the Rural Embryo MFI supporting mechanism in the Kabupaten.</p> <p>3.Capacity development for the promotion of proposed models will involve: (i) Community Institutional Development and (ii) Technical Development. Community Institutional Development aims: (i) to establish a village based, particularly Kelompok Tani, facilitation capacity to enhance the dissemination of extension services to the community through training Kelompok Tani members, (ii) to establish a Kelompok Tani proposal and project tendering process to facilitate group member involvement in problem identification, planning, management and implementation of production and processing activities, (iii) to lead to working in collaboration with community-retailed institutions such as Village Institution, Financial Institution, Government Institution, Private/Business Institution and Religious Institution. On the other hand, by introducing BDS and/or University, technical development is carried out with the objective (i) to strengthen technical capacity of Kelompok Tani in production, processing and marketing of sample commodity and (ii) to create a linkage between BDS/University to encourage constant updating of training programs.</p> <p>4.Monitoring and evaluation are essential to understand the level of progress and constraints on a regular basis. The results to be obtained from monitoring and evaluation will give useful information for operation and management of ongoing or future projects. In addition, it is of importance to carry out the monitoring and evaluation works for community empowerment, since capacity development of community and/or Kelompok Tani member, first and foremost, main actors to promote processing and marketing activities, is expected through monitoring and evaluating their own activities and preparing recommendation based on this process. Joint monitoring and evaluation among MOA, NGOs and Kelompok Tani members is proposed.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2008 Domestic Survey)

"Processing Agricultural products Business Model of Mango and Sweet potato" was applied to Secretariat of National Team of 2KR(Second Kennedy Round/the Grant Assistance Program for Underprivileged Farmers) Program in Ministry of Agriculture and received in fiscal year 2007, then executed in fiscal year 2008. In the execution, the support on the technical and the management sides have been received from not only the branch offices at the prefecture level of the Ministry of Agricultural but also the universities and the laboratories. In addition, the prefectural administration has been planning the follow-up and the regional expansion afterwards applying the budget for about two years in the future.

It has not arrived at support by the counterpart fund of 2KR about "Business Model of Duck Industry" as of 2009 because the necessary fund is large.

As for "Business Model the Microfinance", there is no information to be specifically mentioned. However, on the process to execute the Business Model of Processing Agricultural Products intended for the mango and the sweet potato, opening the bank account etc. were executed, and it seems to have been improved the possession of property and the financial strength of the farmers and farmer groups by accumulating the fund on saving and turnover of the management fund.



# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jun.2009

Revised Sep.2010

ASE IDN/S 201/07

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Public-Private Partnership Scheme for Trans Java Toll Road in the Republic of Indonesia		
<b>3. SECTOR</b>	Transportation	/ (Transportation in) General	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	DIRECTORATE GENERAL OF HIGHWAYS, MINISTRY OF PUBLIC WORKS	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	1) To propose financially viable PPP scheme for the selected section of Trans Java Toll Road based on the proposed PPP scheme, 2) To transfer a set of PPP related knowledge and know how to the counterparts during the course of the Study.		
<b>7. CONSULTANT(S)</b>	Katahira & Engineers International PwC Advisory Co., Ltd.		
<b>8. STUDY PERIOD</b>	Apr.2006 ~ Feb.2007 10month(s) ~		
<b>9. SITE OR AREA</b>	Java Island		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Toll Road Project</p> <p>The road corridor under this Study is the section of "Yogyakarta ~ Solo ~ Ngawi ~ Mantingan ~ Kertosono" with a total length of 219km, of which a length of about 166 km, forms a part of Trans Java Toll Road between Solo and Kertosono.</p> <p>1) Yogyakarta . Solo 53.24km, Cost 1,844(Rp billion), EIRR26.7%, 2) Solo . Kertosono 165.79km, Cost 6,216(Rp billion), EIRR24.5%, FIRR13.1%, 3) Yogyakarta . Kertosono 219.03km, Cost 8,059(Rp billion), EIRR28.2%</p> <p>2. Formulation of PPP Scheme</p> <p>The proposed PPP options : DBFO; Government provides upfront subsidy during construction stage and annual service payment during the operation period.</p> <p>3. Key Issues for Implementation</p> <ul style="list-style-type: none"> <li>. Fund Arrangement: based on the PPP scheme and the sharing in the financial responsibilities between both the Gov. and PPP entities of the private sector, arrangements should be done to secure both public and private funds for different steps of project implementation, starting with funds required for land acquisition.</li> <li>. Selection of Consultant: with the utilization of public funds under the PPP scheme, consultants should be selected under the Governmental roles and those of the financing institutions involved in providing funds for the Government.</li> <li>. Detailed Engineering Design: The Project should be divided into several packages that will be designed and implemented simultaneously to meet the time frame.</li> <li>. Land Acquisition: as this task composes a high risk toward the implementation of the project on schedule and it usually requires long time to finalize, it should be started by the Government at earliest possible stages.</li> <li>. Environmental Impact Assessment: although high negative environmental impacts are not expected, acquiring environmental clearance based on EIA with mitigating measures for any expected impacts is necessary for such large-scale project.</li> <li>. Tender Documents: The ordinary procedure for the tendering stage is to be conducted after the completion of the detailed engineering design stage which includes the preparation of the tender documents; however, with the adoption of a PPP scheme, early tendering stage is required to select the private sector partner that will handle designated tasks under the scheme.</li> <li>. Operation and Maintenance: are the two tasks that are completely carried out by the private sector partner under the proposed PPP scheme of the Study.</li> </ul>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (FY 2008 Domestic Survey)  
 Implemented project: Construction of Toll Road (expressway)  
 Summary: This development study was to explore measure to attract private investors in order to develop roads in greenfield site for which budget are of deficit, as the construction of national expressways by BOT/PPP had been stagnated. The study proposed fund scheme for procurement; however the construction at both ends of 170km section has been launched by BOT and that in middle part of the road seems to be supported with financial assistance by South Korea.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jun.2009

Revised Sep.2010

ASE IDN/S 202/07

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Countermeasures for Sedimentation in the Wonogiri Multipurpose Dam reservoir in the Republic of Indonesia		
<b>3. SECTOR</b>	Social Infrastructure	/ Water Resources Development	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Directorate General of Water Resources, Ministry of Public Works	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	i) Formulate a master plan for sustainable countermeasures for sedimentation problems in the Wonogiri multipurpose dam reservoir, ii) Conduct a feasibility study of the selected priority project(s), and iii) Transfer technology to counterpart personnel in the course of the Study.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Yachiyo Engineering Co., Ltd.		
<b>8. STUDY PERIOD</b>	Aug.2004 ~ Aug.2007 36month(s) ~		
<b>9. SITE OR AREA</b>	MP : i) the entire catchment of the Wonogiri dam, and ii) downstream reaches of the Bengawan Solo River from the Wonogiri dam to the confluence with the Madiun River. FS : i) the Wonogiri dam and reservoir, ii) Keduang River basin (catchment area of 421 km <sup>2</sup> ), and iii) downstream reaches of the Bengawan Solo River from the Wonogiri dam to the confluence with the Madiun River.		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	(MP) 1. Proposed Projects: 1) URGENT COUNTERMEASURES : (1) Sediment Storage Reservoir with New Gates, (2) Watershed Conservation in Keduang River Basin, (3) Procurement of One Dredger and Maintenance 2) MID TERM COUNTERMEASURES : (1) Watershed Conservation in Other Tributaries 3) LONG-LASTING COUNTERMEASURES : (1) Rehabilitation of Watershed Conservation Areas 4) MONITORING : (1) Periodic Monitoring for Sedimentation at Intake, (2) Periodic Monitoring for Sedimentation in Reservoir 2. Summary of Project Cost Total Cost 88,551(US\$ thousand) : 1) Urgent Plan 53,491(US\$ thousand), 2) Mid Term Plan 35,060(US\$ thousand)  (FS) 1) construction of sediment storage reservoir with new gates Construction Cost : 40,318(US\$ thousand), Schedule of the Project : 2008-2012 2) watershed conservation works in the Keduang River basin Construction Cost : 11,017(US\$ thousand), Schedule of the Project : 2008-2012 3) procurement of dredger for periodic maintenance Construction Cost : 3,579(US\$ thousand), Schedule of the Project : 2009-2011  Total Cost : 83,829(US\$ thousand) Schedule of the Projects : 2007-2012 EIRR : 16.9%		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
(FY 2008 Domestic Survey)  
A Yen Loan was requested for the implementation of "The Study on Countermeasures for Sedimentation in the Wonogiri Multipurpose Dam reservoir" in August, 2008. Confirmation will be decided upon soon.  
Objective: By separating the reservoir and newly constructed spillway facility to prevent the accretion of sand at the Wonogiri Multipurpose Dam located the upstream of the river Solo which flows through the central and eastern parts of Java, securing the reservoir capacity for irrigation, domestic water, electricity generation and flood adjustment, and contributing to the economic development by improving the investment climate in the area.  
Yen Loan project:  
1) Spillway installation construction, 2) Procurement of one dredge, 3) mudslide-control dam construction at Kudwang River, 4) Consultation service for D/D, bidding assistance, supervision of construction.  
\* Construction of a cutting levee and overflow levee are planned to be implemented in 2010 with Yen Loan.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which were not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P+F/S)

Compiled Jun.2009

Revised Sep.2010

ASE IDN/S 203/07

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Arterial Road Network Development Plan for Sulawesi Island and Feasibility Study on Priority Arterial Roads in South Sulawesi Province		
<b>3. SECTOR</b>	Transportation	/ Road	<b>4. TYPE OF STUDY</b> M/P+F/S
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	DIRECTORATE GENERAL OF HIGHWAYS, MINISTRY OF PUBLIC WORKS	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	i) To formulate the Sulawesi Island Arterial Road Master Plan (Master Plan). ii) To prepare an action plan for implementation of the arterial road development. iii) To conduct Feasibility Study on Priority Arterial Roads in South Sulawesi Province.		
<b>7. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. KRI International Corporation ALMEC Corporation		
<b>8. STUDY PERIOD</b>	Dec.2006 ~ Jul.2007	7month(s)	
	Aug.2007 ~ Mar.2008	7month(s)	
<b>9. SITE OR AREA</b>	The study area for the Sulawesi Island arterial network development plan covers the entire Sulawesi Island which consists of the following six (6) provinces: 1) North Sulawesi Province, Gorontalo Province, Central Sulawesi Province, West Sulawesi Province, South Sulawesi Province, Southeast Sulawesi Province. The study area covers all arterial roads (national roads and other important routes for economic and regional development).		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. Road Development Policy to be applied for Road Master Plan</p> <p>[Policy 1] Strengthening inter-regional transport network of six provinces in Sulawesi          [Policy 2] Accommodation of increasing large traffic volume and heavy vehicle          [Policy 3] Improvement of accessibility to the potential resources areas          [Policy 4] Strengthening the road network in rural area and isolated island          [Policy 5] Reduction of environmental load in transport sector          [Policy 6] Enhancement of Traffic Safety and Capacity of Suburban Arterial Roads          [Policy 7] Development of road network paying due consideration on environment          [Policy 8] Strengthening the road management including maintenance system</p> <p>2. Implementation Plan</p> <p>Early Investment Plan (60% of development cost is allocated positively in the short-term plan)</p> <p>1) National Road (Arterial road + Collector (K-1) road)          Investment Cosy 23,771Rp Billion          2) Provincial Road (Collector road K-2 &amp; K-3)          Investment Cosy 35,199Rp Billion</p> <p>Total Cost 58,970Rp Billion(6,326 mil.\$), EIRR21.5%</p>		

<b>PRESENT STATUS</b>	Completed or In Progress	Promoting
	Completed	
	Partially Completed	Delayed or Suspended
	Implementing	
	Processing	Discontinued or Cancelled

**Description :**  
 (FY 2008 Domestic Survey)  
 No information to be specifically mentioned.

Descriptions in the Study Summary Sheet are based on the answers of the questionnaire, which a fact-finding have only been conducted when sources were available. Therefore, not all of the facts are up-to date. In addition, some may not describe the fact. Questionnaire conducted for the present year (FY 2009) have been conducted for studies completed in FY2008, FY 2006, FY2004 and FY1999. Data which where not known, such as months of the study period, are described as ZERO.

# STUDY SUMMARY SHEET

## (M/P)

Compiled Apr.2010

Revised Sep.2010

**ASE IDN/S 101/08**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Natural Disaster Management in Indonesia		
<b>3. SECTOR</b>	Administration / (Administration in) General		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	NATIONAL DISASTER MANAGEMENT AGENCY (BNPB)		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	The overall goal of the Study is to enhance the natural disaster management capacities in Indonesia and to facilitate the creation of necessary institutional mechanisms to achieve it through the formulation of disaster Management Plan at national and regional levels.		
<b>7. CONSULTANT(S)</b>	Oriental Consultants Co., LTD.		
<b>8. STUDY PERIOD</b>	Mar.2007 ~ Mar.2009 24month(s) ~		
<b>9. SITE OR AREA</b>	- National Level:Entire Country - Regional Level:1. Kabupaten Jember in East Java Province, 2. Kabupaten Padang Pariaman and Kota Pariaman in West Sumatra Province		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>1. National Disaster Management Plan(NDMP)            General Principle:a) To apply the DMP of Japan. b) After this Study, the Plan needs to be further reviewed and checked in detail, and will be finalized in the official format of the Government of Indonesia and formulated through the necessary official process.            Basic Policy and Strategy:a) NDMP of Indonesia is drafted based on the discussions and reviews of DMP of Japan. During the effort of drafting the Plan, the characteristic of Indonesia that are different from those of Japan are supposed to be incorporated. b) In this Study, we focus on four disaster types including earthquake, tsunami, flood and sediment disasters. c) The Plan has a separate part for each disaster type. Each part basically consists of three sections including (1) Pre-Disaster Measures, (2) Emergency Response Measures and (3) Post Disaster Measures for rehabilitation and recovery along with the disaster management cycle. In the part for Earthquake Disaster Measures; the earthquake and tsunami measures are discussed and in the part for Rain and Storm Disaster Measures. d) The National Plan has the similar format to that of the "Regional Disaster Management Plans" in order to enable to make the comparison and reference among the national and regional plans and make the coordination more effective and appropriate when implementing the disaster management efforts by the national and regional authorities. e) The Plan is formulated with the recognition that the Plan complements and enhances the items stipulated in the relevant Presidential Regulation and Government Regulations. f) The NDMP needs to have such flexibility that enables the relevant government agencies to incorporate the unique mission and mandate for the disaster management efforts of the agencies since those agencies would find it difficult to stipulate the mission and mandate in the National Plan. g) The NDMP is formulated on the basis that it will be reviewed periodically once in five years and when a big disaster happens.</p> <p>2. Regional Disaster Management Plan(RDMP)            Basic Policy:a) Target disasters for formulating disaster management plan in this Study are four kinds of natural disaster (earthquake, tsunami, flood and sediment disaster). Therefore, in the future, Kabupaten and Kota need to formulate and add parts for other disasters. b) The plan has two "Parts" for type of disasters. "Earthquake Disaster Measures" part deals with earthquake and tsunami, and "Rain and Storm Disaster Measures" part deals with flood and sediment disaster. Each "Part" basically consists of four sections, "General", "Pre-Disaster Measures", "Emergency Response Measures" and "Post Disaster Measures" along with disaster management cycle. c) Contents of the plan are prepared based on the Japanese plan, but modified the contents to be suitable for the current conditions of Indonesia. d) Finalization of the plan toward authorization and promulgation will be conducted by Indonesian side based on the plans formulated as outputs of this Study.</p>		

<b>PRESENT STATUS</b>	In Progress or In Use
	Delayed
	Discontinued or Cancelled

**Description :**

(FY 2009 Domestic Survey)

## 1. Next-phase study "The Study on Disaster Preparedness Program in Indonesia"

After the development study, we reviewed the action plan of Indonesia and the outcome of Japan's assistance in the area of disaster countermeasure and confirmed other donors' aid situation between July 2009 and March, 2010. Based on that, we organized the challenges that Indonesia needs to work on in order to achieve the objective of the program and "The Study on Disaster Preparedness Program in Indonesia", which aims to propose implementation of a new project, was implemented by JICA. Based on the result of the study, it is expected that assistance toward the field of disaster prevention in Indonesia will be implemented.

## 2. Maintenance of legal systems and organizations : streamlining the National Disaster Management Plan

(Overview)the National Disaster Maser Plan which target eight kinds of natural disasters (flood, landslide, earthquake, tsunami, eruption of volcanic mountains, drought, strong wind, forest fire)was posted on the official website of the Indonesian National Board for Disaster Management.

(Implementing Agency)Indonesian National Board for Disaster Management/Basan Nasional Penanggulangan Bencana(BNPB)

(Cooperating Agency)SC-DRR,UNDP

## 3. Human recourse development (HRD) and Capacity building :human recourse development at national level

(Overview)following the human recourse development through the capacity building, continuous human recourse development toward the BNPB and disaster prevention capacity building of the staff were recognized and it was decided to send a long-term expert (BNPB Advisor) from the Indonesia side.

(Implementing Agency)Indonesian National Board for Disaster Management/Basan Nasional Penanggulangan Bencana(BNPB)

(Cooperating Agency)JICA

(Implementing Period)2010.5-2012(scheduled)

Projects below are now in preparation to be implemented.

## 1. Maintenance of legal system and organization: Regional Disaster Management Plan, and Contingency Plan at national and regional levels

## 2. Human recourse development (HRD) and capacity development: human recourse development at national and community level

## 3. Digitalization development of disaster prevention information: development of study and database, hazard map

## 4. Other actions to be begun immediately after the official recognition of the national disaster prevention plan: developing format of reports and publishing information of disaster prevention information.

(FY 2009 Overseas Survey) No information



# STUDY SUMMARY SHEET

## (M/P)

Compiled Apr.2010

Revised Sep.2010

**ASE IDN/S 102/08**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>	The Study on Development of Regional Railway System of Central Java Region in the Republic of Indonesia		
<b>3. SECTOR</b>	Transportation / Railway		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	Ministry of Transportation		
<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>			
<b>PRESENT COUNTERPART AGENCY</b>			
<b>6. OBJECTIVES OF THE STUDY</b>	<p>1) To identify present railway transportation problems through analysis on the past and the existing socio-economic situation, the current condition of various modes of transportation and facilities and operation and regulatory issues of railway system</p> <p>2) To establish a long-term regional railway system development plan based on the understanding on the planning issues and railway development project ideas discussed with stakeholders.</p>		
<b>7. CONSULTANT(S)</b>	Oriental Consultants Co., LTD.		
<b>8. STUDY PERIOD</b>	Dec.2007 ~ Mar.2009	15month(s)	
<b>9. SITE OR AREA</b>	the Central Java region		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Short Term Projects :</p> <p>1-1 Semarang Commuter : Route (43km) Project (34km) Capital Cost106.2million USD, Cost per km 3.1million USD</p> <p>1-3 Yogya Commuter : Route (58km) Project (58km) Capital Cost129.5million USD, Cost per km 2.2million USD</p> <p>Medium Term Projects</p> <p>1-2 Solo Commuter : Route (58km) Project (58km) Capital Cost 143.9million USD, Cost per km 2.5million USD</p> <p>3-1 Semarang Airport Link : Route (9km) Project (4km) Capital Cost32.7million USD, Cost per km 8.2million USD</p> <p>4-1 Semarang . Solo . Yogya Freight Corridor : Route (115km) Project (101km) Capital Cost121.6million USD, Cost per km 1.2million USD</p> <p>4-3 Kendal SEZ Access : Route (5km) Project (5km) Capital Cost 20.9million USD, Cost per km 4.2million USD</p> <p>5-5 Semarang - Tegal Intercity : Route (150km) Project (150km) Capital Cost45.0million USD, Cost per km 0.3million USD</p> <p>5-6 Semarang - Cepu Intercity : Route (140km) Project (140km) Capital Cost36.0million USD, Cost per km 0.3million USD</p> <p>Long Term Projects</p> <p>2-1 Semarang Monorail : Route (12km) Project (12km) Capital Cost181.0million USD, Cost per km 15.1million USD</p> <p>2-2 Solo Tramway : Route (6km) Project (6km) Capital Cost51.9million USD, Cost per km 8.6million USD</p> <p>2-3 Bantul Tramway : Route (15km) Project (15km) Capital Cost111.1million USD, Cost per km 7.4million USD</p> <p>3-2 Solo Airport Link : Route (7km) Project (8km) Capital Cost69.3million USD, Cost per km 8.7million USD</p> <p>4-2 Wonogiri . Solo Freight Corridor : Route (36km) Project (36km) Capital Cost25.8million USD, Cost per km 0.7million USD</p> <p>5-1 Yogya . Magelang Intercity : Route (47km) Project (47km) Capital Cost177.7million USD, Cost per km 3.8million USD</p> <p>5-2 Borobudur Access : Route (7km) Project (7km) Capital Cost11.7million USD, Cost per km 1.7million USD</p> <p>5-3 Magelang . Ambarawa Intercity : Route (37km) Project (37km) Capital Cost125.4million USD, Cost per km 3.4million USD</p> <p>5-4 Ambarawa . Kedungjati Intercity : Route (37km) Project (37km) Capital Cost76.3million USD, Cost per km 2.1million USD</p> <p>5-7 Semarang . Demak . Rembang Intercity : Route (110km) Project (107km) Capital Cost360.3million USD, Cost per km 3.4million USD</p> <p>Grand Total : Route (892km) Project (862km) Capital Cost 1826.1million USD, Cost per km 2.1million USD(Short Term Projects Sub Total : Route (101km) Project (92km) Capital Cost 235.7million USD, Cost per km 2.6million USD, Medium Term Projects Sub Total : Route (477km) Project (458km) Capital Cost 400.1million USD, Cost per km 0.9million USD, Long Term Projects Sub Total : Route (314km) Project (312km) Capital Cost 1190.4million USD, Cost per km 3.8million USD)</p>		

中部ジャワ地域鉄道システム計画調査



# STUDY SUMMARY SHEET

## (M/P)

Compiled Apr.2010

Revised Sep.2010

**ASE IDN/S 103/08**

<b>1. COUNTRY</b>	Indonesia		
<b>2. NAME OF STUDY</b>			
<b>3. SECTOR</b>	Social Welfare / Labor		<b>4. TYPE OF STUDY</b> M/P
<b>5.</b>	<b>COUNTERPART AGENCY AT THE TIME OF DEVELOPMENT STUDY</b>	Ministry of Manpower and Transmigration	
	<b>PRESENT COUNTERPART AGENCY</b>		
<b>6. OBJECTIVES OF THE STUDY</b>	To advise the Ministry of Manpower and Transmigration (MOMT) and the public manpower offices how to deliver "fair and equitable" employment services, and inform them of an efficient manpower system.		
<b>7. CONSULTANT(S)</b>	Overseas Vocational Training Association		
<b>8. STUDY PERIOD</b>	Feb.2007 ~ Feb.2009 24month(s) ~		
<b>9. SITE OR AREA</b>	All areas nationwide		
<b>10. MAJOR PROPOSED PROJECT(S)</b>	<p>Contents of the model program</p> <p>1. Model program commonly applied to the 3 pilot Manpower Offices of Local Governments (MOLGs)</p> <p>(1) Basic actions.6 pillars: 1) consultation, 2) development of the labor market, 3) effective joint interviews, 4) pre-employment training, 5) collaboration with the related agencies, 6) computerized data management and search system</p> <p>(2) Actions to improve the employment services: 1) improve users' conveniences, 2) enhance institutional capacities, 3) deliver quick and considerate services to users, 4) improve its image to the public, 5) improve quality, expertise, and motivation of the officials</p> <p>2. Individual model program applied to each of the 3 pilot MOLGs</p> <p>(1) Kabupaten Bekasi: 1) opening of a satellite office</p> <p>(2) Kota Semarang: 1) opening of a consultation window for those who desire placement in Kota Batam or overseas; 2) opening of a calling service window for applicants; 3) integration of the existing support system and the data management/search system</p> <p>(3) Kota Batam: opening of a mobile consultation window, and a wide-area employment service window</p>		

