

Project Summary Table

(Social Development,
Agriculture, Forestry and Fisheries Development)

* The attached tables are the list of Development Studies which follow-up survey was conducted (Study Completion Year:FY1989-FY1998) and at the same time confirmation to put the details on the report was approved from the implementing agency of recipient country.

1	COUNTRY	Bangladesh	NAME OF STUDY	Model Rural Development Project for Homna and Dandkandi Upazila Comilla District		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1989	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	To formulate a M/P on the model rural development for Comilla District in order to expand production in agriculture, inland fisheries and rural industries.				
	MAJOR PROPOSED PROJECT(S)	1. UCCA related works development UCCA building, Agriculture Modernization Center, Inland Fish Center, etc. 2. Infrastructure development Re-excavation of irrigation canal, Low lift pump, Fish pond improvement, School improve., etc.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT		
	DESCRIPTION					
	<p>Subsequent Study: B/D (Jan. - Feb. 1991) Finance: Japan's Grant Aid (Dec. 1991 E/N 723mil. Yen, Aug. 1992 E/N 849mil. Yen, Jul. 1993 E/N 895mil. Yen) Construction: Completed (Mar. 1995) Mini Project-type Technical Cooperation: Rural Development Project (Jan. 1992-Jan. 1996) The project was very effective specially in improving the living standard of rural inhabitants. As a result, about 70% of the inhabitants are benefited.</p>					

BGD/A 101/89

2	COUNTRY	Bangladesh	NAME OF STUDY	Development of Chittagong Airport		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	Air Transportation & Airport
	OBJECTIVES OF STUDY	To formulate a F/S on the improvement of existing Chittagong Airport in order to respond to the increase of demand, deterioration, request for an international airport.				
	MAJOR PROPOSED PROJECT(S)	1.Overlay of runway and rearrangement of runway strip in compliance of ICAO standards. 2.Construction of new terminal area. 3.Installation of air navigation facilities (lighting, radio communications, and meteorological facilities). 4.Storm water drainage.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT		
	DESCRIPTION					
	<p>Subsequent Study: D/D was implemented in Jul.1994-Jun.1995 with ODA loan (Sep.1993 L/A 333mil.yen). Finance: Japan's ODA loan (Aug.1996 L/A 10,943mil. Yen) Construction: commenced in Mar.1998, major portion is to be completed by Dec.2000.</p>					

BGD/S 304/89

3	COUNTRY	Bangladesh	NAME OF STUDY	Optimization of Capacity Utilization and Improvement of Performance of Chittagong Dry Dock		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	Marine Transportation & Ships
	OBJECTIVES OF STUDY	Study for the optimization of capacity utilization and improvement of performance of Chittagong Dry Dock Ltd.				
	MAJOR PROPOSED PROJECT(S)	1. Slipway for small ship repair 2. Establishment of galvanizing facility 3. Supplement of machinery and equipment 4. Increase of repair service capacity				
	PRESENT STATUS	Delayed or Suspended	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	The government has difficulty in ensuring the source of fund. F/S review is required in order to receive Japan's grant aid, and Bangladesh government's efforts to it is essential.				

BGD/S 305/89

4	COUNTRY	Bangladesh	NAME OF STUDY	Storm Water Drainage System Improvement Project in Dhaka City (Updating Study)		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	River & Erosion Control
	OBJECTIVES OF STUDY	To update JICA's previous study (1987) which was conducted to improve the drainage condition of Dhaka city located in the estuary delta area, and to propose the urgent program.				
	MAJOR PROPOSED PROJECT(S)	Pump Station, Gate, Khal Improvement, Brick Revetment, Box Culvert, Bridges.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	(1) West Side Subsequent Study: D/D with Japan's Grant Aid (Mar. 1990 E/N 66mil.yen) Finance: Japan's Grant Aid (Sep.1990 E/N 626mil.yen, Aug.1991 E/N 1,158mil.yen, May 1992 E/N 397mil.yen) Construction: Completed (Mar.1993) (2) East Side Subsequent Study: ADB (May 1992) F/S Finance: ADB 915mil. dollar Construction: to be completed in Dec.2000.				

BGD/S 306/89

5	COUNTRY	Bangladesh	NAME OF STUDY	Kurigram Irrigation and Flood Control Project: North Unit		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	To formulate plans for irrigation and drainage development as well as flood control in order to increase and improve agricultural products.				
	MAJOR PROPOSED PROJECT(S)	Take steps for irrigation, river flood embankment, drainage facilities improvement and agricultural supporting system in northern Kurigram District. Communal area (32,800ha), Pump station for irrigation (A:29,500ha Q:42.8cub.m/s), Reversible pump station for irrigation (A:3,300ha Q:4.9cub.m/s), Improvement of embankment, etc.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	Further study and reconsideration are needed to adjust to the standard flood control policy of Bangladesh. However, the government has difficulty in ensuring the fund source. Some work is in progress with government's fund.				

BGD/A 303/90

6	COUNTRY	Bangladesh	NAME OF STUDY	Development Project of Container Terminal at Dhaka-Narayanganj Port		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	Port
	OBJECTIVES OF STUDY	To prepare a M/P for the development of a container terminal with a target year of 2005 and to formulate a Short-term Plan and F/S with a target year of 1995.				
	MAJOR PROPOSED PROJECT(S)	Construction of a new container terminal Terminal area(8ha), Berth length (180m), Container gantry crane (2 cranes), Straddle Carriers (5 carriers), CFS (1 shed), Terminal office (1 office), Access road (3.6km).				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	Subsequent Study: D/D was implemented in Oct.1994-Jun.1996 with ODA loan (Sep.1993 L/A 179mil.yen). Finance: Applied for Japan's ODA loan, but it was not materialized.				

BGD/S 307/90

7

COUNTRY	Bangladesh	NAME OF STUDY	The Model Rural Development Project Phase II for Kachua, Nabinagar, Bancharampur and Debidwar Upazilas		
TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1991	SECTOR	(Agriculture in) General
OBJECTIVES OF STUDY	To formulate the M/P of Model Rural Development Project Program and to select priority projects intended for old Comilla District.				
MAJOR PROPOSED PROJECT(S)	Priority Projects 1. Irrigation Development:34km, 2. Fractional Pump:200nos., 3. Road Improvement: 14.1km, 4. Establishment of UCCSA: 4nos., 5.Growth Center: 4nos.				
PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT		
DESCRIPTION	Finance: Applied for Japan's grant aid.				

BGD/A 102/91

8

COUNTRY	Bangladesh	NAME OF STUDY	Greater Dhaka Protection Project (FAP8A)		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1992	SECTOR	River & Erosion Control
OBJECTIVES OF STUDY	To formulate a M/P on a comprehensive flood control and rainwater drainage for Dhaka Metropolitan Area and to conduct a F/S on the priority area identified in the M/P.				
MAJOR PROPOSED PROJECT(S)	M/P: 1. Rehabilitation of comprehensive flood control and rainwater drainage facilities 2. Reinforcement of flood forecasting and warning system F/S: The following 3 areas were selected from M/P as priority projects. 1. Greater Dhaka Area 2. DND of Narayanganji 3. Narayanganji West				
PRESENT STATUS	Processing	TECHNICAL TRANSFER	OJT, Seminar		
DESCRIPTION	Finance: The government is trying hard to ensure the fund source from overseas. Bangladesh Government allocated Tk.300mil. Of FY1999-2000 budget for this project.				

BGD/S 202B/92

9	COUNTRY	Bangladesh	NAME OF STUDY	River & Erosion Control/ Drainage Improvement in North West Region		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1992	SECTOR	River & Erosion Control
	OBJECTIVES OF STUDY	Formulating a M/P for flood control and drainage improvement.				
	MAJOR PROPOSED PROJECT(S)	F/S: Measures were planned to mitigate flood damage from Gaibandha and neighboring rivers. 1.Teesta right embankment 2.Ghagot River flood control 3. Drainage improvement 4.Flood proofing and associated development/improvement works for fisheries, health, and navigation.				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	Efforts toward implementation of subsequent study are being made. Other subsequent studies of related project have been already conducted, and both Japan and U.K. show their interests to finance.				

BGD/S 203B/92

10	COUNTRY	Bangladesh	NAME OF STUDY	Kurigram Irrigation and Flood Control Project: South Unit		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1992	SECTOR	Irrigation, Drainage & Reclamation
	OBJECTIVES OF STUDY	The objective is to increase the agricultural productions by improvement of drainage system and flood control, and provision of irrigation.				
	MAJOR PROPOSED PROJECT(S)	1.Irrigation:Improvement of planting percentage from 190% - 224% on 83% of existing farm land. 2.Drainage Improvement: Improvement of draining network through existing drainage channels. 3.Flood Control: Rehabilitation of existing flood embankment. 4.Rural Infrastructure: Reconstruction of 52 bridges, Bridge construction (30nos.), 9 Culverts.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	High priority is given to this project as the site area is inundated every year. Request for Japan's grant aid is to be submitted in the future. Some work is in progress with government's fund.				

BGD/A 304/92

11	COUNTRY	Bangladesh	NAME OF STUDY	Geodetic Survey in the People's Republic of Bangladesh		
	TYPE OF STUDY	Basic Study	STUDY COMPLETION YEAR	1994	SECTOR	Survey & Mapping
	OBJECTIVES OF STUDY	To rearrange the network of the datum lines/points for survey of the country. Technological transfer to SOB.				
	MAJOR PROPOSED PROJECT(S)	Drawing up the plan to protect flood disasters. Drawing up the topographic map of Dhaka metropolitan zone. Rearranging the network of secondary datum lines.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>Outputs are supplied to different development sectors such as Chittagong Port Authority, SPARSO, Water Development Board, etc. Outputs of datum lines are being utilized for measurement and regional development plan. Finance: Japan's grant aid (Dec.1998 E/N 341mil.yen), French fund.</p> <p>Dispatch of experts: 10 JICA experts were dispatched to Survey of Bangladesh in 1996 and 1997, which helped the modernization of the organization.</p>				

BGD/S 501/94

12	COUNTRY	China	NAME OF STUDY	Construction Projects of the Three Ports		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	Port
	OBJECTIVES OF STUDY	Execution of the feasibility study on three ports development project.				
	MAJOR PROPOSED PROJECT(S)	Development plans (construction of breakwaters, extension of wharves, construction of berths, revetment, dredging, reclamation) for Qinhuangdao, Liangyungang, and Shijiu Ports.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Seminar		
	DESCRIPTION	<p>1. Qinhuangdao Port Finance: Japan's ODA Loan (Oct.1992 L/A 3,418mil.yen, Aug.1993 L/A 3,944mil.yen, Jan.1995 L/A 3,041mil.yen, 7,178mil.yen).</p> <p>2. Liangyungang Port Finance: Japan's ODA Loan (Oct.1992 L/A 5,900mil.yen).</p> <p>3. Shijiu Port Finance: Japan's ODA Loan (Oct.1991 L/A 2,506mil.yen, Dec.1992 L/A 3,583mil.yen).</p>				

CHN/S 311/89

13	COUNTRY	China	NAME OF STUDY	Municipal Solid Waste Treatment Plan in Xian City		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1990	SECTOR	Urban Sanitation
	OBJECTIVES OF STUDY	Present Condition Analysis & Master Plan. Feasibility Study.				
	MAJOR PROPOSED PROJECT(S)	<F/S> 1. Construction of the controlled-type of final disposal plant for Chian-Sun District. 2. Construction of transfer station and classification of garbage.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1. Chian-Sun landfill Subsequent study: D/D (1991) Finance: Own fund. Construction: Apr.1993 - Apr.1994. Provision of services started in Jun.1995. Effects: 70 % of solid waste disposed in Xian City is treated in this landfill. It has contributed to the mitigation of environmental contamination.</p>				

CHN/S 202B/90

14	COUNTRY	China	NAME OF STUDY	Rapid Railway Construction Project in Tianjin		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	Railway
	OBJECTIVES OF STUDY	F/S for a new railway line construction between Tianjin and Tanggu (approx. 50km).				
	MAJOR PROPOSED PROJECT(S)	Construction of a new passenger line of approx. 50 km between Tianjin and Tanggu. First Stage: Shuan Lin - He Bey Lue (38.7km). Second Stage: He Bey Lue - Tianjin New Port (10.85km).				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>Since the New Seacoast Development Project (10 years) was expanded, this project became more important. Tianjin City Representative Assembly and Planning Committee determined to promote this project. The project area was expanded and Tianjin Airport was added in the course of railway construction.</p> <p>Progress situation: J.V. company of Chinese and Thai companies was established in Nov. 1995. F/S has been conducted since 1998. Construction is to be commenced in 2000.</p>				

CHN/S 313/90

15	COUNTRY	China	NAME OF STUDY	Liao Ho Delta Agricultural Resources Integrated Development Project in the Liaoning Sheng		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1992	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	M/P for the agricultural development and F/S for Bui-Sui-Shi Dam Construction Project and Da-Wa Delta Agricultural Development Project.				
	MAJOR PROPOSED PROJECT(S)	1.Construction of Hai-Shi Multipurpose Dam. 2.Da-Wa Delta Agricultural Development.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1.Construction of Hai-Shi Multipurpose Dam Finance: Own fund, Japan's ODA Loan (Aug.1996 L/A 8,000mil.yen). Construction: May 1995 - Oct.2000.</p> <p>2.Da-Wa Delta Agricultural Development Finance: Own fund (government budget, private fund), 383mil.yuan. *Contents: expansion of paddy field (619,500 furrows), expansion of reed field (349,500 furrows). Construction: Jan.1994~Dec.1997.</p>				

CHN/A 203B/92

16	COUNTRY	China	NAME OF STUDY	Jilin Fengman Dam Rehabilitation Project		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1992	SECTOR	Water Resources Development
	OBJECTIVES OF STUDY	1)To review the safety of the Dam; 2)To review the Flood Control Volume (Discharge); and 3)To formulate the Immediate and the Long-term Dam Rehabilitation Plan.				
	MAJOR PROPOSED PROJECT(S)	1. Immediate measure: construction of drain hole, rearrangement of dam observation facility, reservoir capacity survey, etc. 2. Long-term measure: spillway expansion, dam stability measures, anti-frozen measures of dam.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>Immediate Measures were implemented by own fund because of the expansion of flood disaster that occurred in 1998. At the present, the following projects are under implementation with funds procured by power plan.</p> <p>Implemented: Road development at upper embankment, Construction of anchor ground, Rearrangement of dam observation facility.</p> <p>Implementing: Rehabilitation for penstock, Reservoir capacity survey.</p> <p>Remaining projects: Special irrigation project, Additional drain hole, Water stop measure for upstream surface of dam.</p>				

CHN/S 316/92

17	COUNTRY	China	NAME OF STUDY	Water Quality Protection for Poyan Lake in China		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1993	SECTOR	Environmental Problems
	OBJECTIVES OF STUDY	Preparation of master plan of water quality conservation for Poyan Lake.				
	MAJOR PROPOSED PROJECT(S)	1.Waste water treatment for large factories (to maintain the statuesque and level up to the int'l standard: activated sludge process); 2.Waste water treatment for local factories (to maintain the statuesque; natural settling processes; to level up to the int'l standard: activated sludge process); 3.Sewer system imp. (to maintain the statuesque and level up to the int'l standard).				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Workshop		
	DESCRIPTION	<p>1. Integrated Control Project of 'Four Rivers' The project including this Study is on-going (1996 -2000) with the fund of the enterprises, subsidy from central government, and loan (300mil.yuan in total).</p> <p>2. Aftercare of Water Quality Observation System for Poyan Lake It is under implementation with foreign fund (1998 - 2002).</p>				

CHN/S 101/93

18	COUNTRY	China	NAME OF STUDY	Integrated Regional Development Planning Study on Jiujiang City, Jiangxi Province		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1993	SECTOR	Integrated Regional Development Plan
	OBJECTIVES OF STUDY	Setting a M/P of Jiujiang City. This M/P consists of four sectors; transport, distribution, tourism and industry. The target year is 2010.				
	MAJOR PROPOSED PROJECT(S)	1.Industry: industrial estate, Balihu special area to attract enterprises, Jiujiang technical center, etc. 2.Tourism/Distribution: Jushan resort development, track transit terminal, wholesale estate. 3.Transportation/Urban development: Changjing River south bank highway, Jiujiang new port, etc. 4.Human resources development: industrial management dev. in Central China, Jiujiang University.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>1.Industry: Balihu Special Area for industrial development became full of factories. It now serves as primitive industrial complex.</p> <p>2.Tourism: Lusan resort dev., Jiujiang-Lushan convention city project are under implementation.</p> <p>3.Distribution: Construction of Truck Interchange Terminal was completed and as an effect continuous goods transport is possible. The terminal also serves as place such as basic ingredients sales center and agricultural products sales center.</p> <p>4.Transportation: 1)railway (Jiujiang - Hegei, Jiujiang - Beijing): constructions were completed with own fund; 2)road (Jiujiang - Jingdezhen): under construction with own fund and ADB fund; 3)port: Container berth is being constructed; 4)airport: Jiujiang Airport is under construction.</p> <p>5.Urban development: Third water treatment plant construction was completed with own fund.</p> <p>6.Human resources development: industrials manage. Dev. In Central China, Jiujiang Univ. are being planned.</p>				

CHN/S 102/93

19	COUNTRY	China	NAME OF STUDY	Facilities Improvement Project in Second Irrigation Section in Qianguo Area in Jilin Province		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1993	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	Feasibility Study of the improvement of irrigation facilities in the second irrigation section located at the left bank of the second Shokako in Julin Province.				
	MAJOR PROPOSED PROJECT(S)	1.Improvement of the new second pumping station. 2.Improvement of the water facilities. 3.Construction of fish-breeding ponds. 4.Land consolidation, Improvement of water management facilities.				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Seminar		
	DESCRIPTION	<p>This project is included in the Eighth Five-year Plan in Julin Province. Chinese government has been constructing the Chimonto drainage station which is the precondition of implementing the project.</p> <p>The request for Japan's grant aid was submitted in Sep.1998.</p>				

CHN/A 309/93

20	COUNTRY	China	NAME OF STUDY	Total Air Quality Management Study for Linzhou City and Acid Deposition Monitoring Study for Wide Area		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1995	SECTOR	Environmental Problems
	OBJECTIVES OF STUDY	Air pollution control plan in Liuzhou (target year of 2005), fact-finding on acid precipitation in Liuzhou, Guilin, Wuzhou and Guangzhou.				
	MAJOR PROPOSED PROJECT(S)	1.Promotion of gas utilization as fuel for civil in urban area; 2.Utilization of petroleum for boiler fuel at city center; 3.Desulfurization of smoke gas at thermal power station; 4.Boiler facility imp.; 5.Denitration of NO2 exhaust gas at fertilized plant; 6.Imp. of combustion management; 7.Transfer of zinc plants to suburbs; 8.Sesulfurization of gas from coke furnace at steelworks.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>Finance: Own fund (8,000 mil. Yen) Japan's ODA Loan 10,000 mil. Yen in total (Dec.1996 L/A 2,300 mil. Yen, Sep.1997 L/A36,790mil.Yen, Dec.1998 L/A 47,590 mil. Yen).</p> <p>Progress situation: Construction: Implementing (Proposed project 1, 2, 3, and 4). D/D : Implementing (Proposed project 5). Desulfurization techniques: Investigating (Proposed project 6).</p>				

CHN/S 103/95

21	COUNTRY	China	NAME OF STUDY	Shanghai Pudong International Airport Basic Planning Study		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1995	SECTOR	Air Transportation & Airport
	OBJECTIVES OF STUDY	M/P on Shanghai Pudong International Airport Basic Plan. F/S on Priority Improvement Plan based on M/P.				
	MAJOR PROPOSED PROJECT(S)	Construction of the Hub Airport with four runways. One runway and necessary facilities are to be open on Oct.1, 1999.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION					
	<p>1. Phase I Subsequent study: D/D (1995 - 1997). Finance: Own fund, Japan's ODA Loan (Sep.1997 L/A 40,000mil.yen). *Contents of the projects of ODA Loan: construction of a runway, accompanied facilities, a passenger terminal. Construction: Sep.1996 - Oct.1999 (completed).</p>					

CHN/S 204/95

22	COUNTRY	China	NAME OF STUDY	Comprehensive Transportation System in Dalian City		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1995	SECTOR	Urban Transportation
	OBJECTIVES OF STUDY	M/P on Integrated Penetration Plan with target year 2020. F/S on projects with priority.				
	MAJOR PROPOSED PROJECT(S)	<p><M/P>1.Public transportation facility (High-speed track construction, bus improvement); 2.Road improvement; 3.Traffic control; 4.Others (parking lot improvement, traffic terminal). <F/S>1.Construciton of High-speed track transportation (construction of South-North Line); 2.Traffic control project.</p>				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION					
	<p>1.Construciton of High-speed track transportation (construction of South-North Line) The implementation of the project is postponed due to the national macroeconomic policy and the financial constraints.</p> <p>2.Traffic control project Nakayama Park crossing and Friendship Park crossing was improved in 1996 and other proposed crossings will be improved sequentially.</p>					

CHN/S 205/95

23	COUNTRY	China	NAME OF STUDY	Integrated Management Master Plan for the Water Environment of Min River in Chengdu District		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1997	SECTOR	Environmental Problems
	OBJECTIVES OF STUDY	1)To elaborate a comprehensive management M/P including system reform to improve water environment of Min River in Chengdu District which recently has been contaminated drastically due to inflow of discharged water from factories and households. 2)F/S for selected priority projects.				
	MAJOR PROPOSED PROJECT(S)	<F/S> 1. Ukupe wastewater treatment plant: capacity (0.33mil.m3/day), land area (30.1ha); 2. Construction of wastewater treatment facilities at 9 factories; 3. Water environment management center: water quality monitoring system, water environment experiment facility, etc.				
	PRESENT STATUS	Processing	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1. Ukupe wastewater treatment plant Finance: World Bank(Dec.1999 L/A 50mil. \$), Own fund. Construction: Middle of 2000~</p> <p>2. Factory wastewater treatment facilities The request for Japan's ODA loan was submitted to National Planning Committee by Chendu City Construction Committee through Chendu City Planning Committee.</p> <p>3. Water environment management center Implementation program is under examination by the Environmental Protection Bureau of Chendu City.</p>				

CHN/S 202/97

24	COUNTRY	China	NAME OF STUDY	Detailed Design Study on Shanghai Pu-dong International Airport		
	TYPE OF STUDY	D/D	STUDY COMPLETION YEAR	1997	SECTOR	Air Transportation & Airport
	OBJECTIVES OF STUDY	To undertake detailed design study, following the Shanghai Pu-dong International Airport Basic Design Study completed in June 1995.				
	MAJOR PROPOSED PROJECT(S)	<p>1. Airside civil works.</p> <p>2. Airfield lighting system.</p> <p>3. Fuel supply system.</p> <p>4. Fire fighting and rescue facilities.</p>				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER			
	DESCRIPTION	<p>The project will contribute to the activation and improvement of economic status of Shanghai City and surrounding areas.</p> <p>Finance: Japan's ODA Loan (Sep.1997 L/A 4,000mil.yen).</p> <p>Construction: Completed in Sep.1999. Airport was opened on Oct. 1, 1999.</p>				

CHN/S 401/97

25	COUNTRY	China	NAME OF STUDY	The Hydraulic Model Test for Baishi Dam in Liaoning Province		
	TYPE OF STUDY	Other Studies	STUDY COMPLETION YEAR	1997	SECTOR	Irrigation, Drainage & Reclamation
	OBJECTIVES OF STUDY	As a subsequence to Integrated Agricultural Development Study conducted from Dec.1990 to Mar.1993, this study aims at determining the water resources for the Baishi dam to supplement F/S.				
	MAJOR PROPOSED PROJECT(S)					
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER			
	DESCRIPTION	<p>Finance: Japan's ODA Loan (Dec.1996 L/A 8,000mil.yen). Construction: commenced in 1996, is to be completed in Dec.2000.</p>				

CHN/A 601/97

26	COUNTRY	Indonesia	NAME OF STUDY	Negara River Basin Overall Irrigation Development Plan		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1989	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	Formulation of the development strategy in Negara River Basin, South Kalimantan.				
	MAJOR PROPOSED PROJECT(S)	<p>Site area: Negara River Basin, South Kalimantan Province. Four package projects (Negara Pilot Project, Negara Irrigation and Drainage Upgrading Project, Upper Negara Agricultural Development Project, Lower Negara Agricultural Development Project) which are composed of 76 schemes are formulated for five-year national plan (V-X).</p>				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	Request for technical assistance is to be submitted to Japanese government.				

IDN/A 104/89

27	COUNTRY	Indonesia	NAME OF STUDY	Improvement of Rice Post Harvest and Marketing in Farmer Groups		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1989	SECTOR	Agricultural Processing
	OBJECTIVES OF STUDY	Formulation of the Pilot Plan of Rice Post Harvest and Marketing in Farmer Group.				
	MAJOR PROPOSED PROJECT(S)	Pilot area: Telagasari, Bagor, Mattiro Bulu, Trimurjo. Content: Cropping intensity; wet season 90%-100%, dry season 70%-100%				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>The findings of this study have been incorporated into the Fifth Five-Year National Plan (1989-1993). However, focus has been put on the irrigation system, in response to the water shortage in recent years, and therefore it seems to take time to implement this project.</p>				

IDN/A 105/89

28	COUNTRY	Indonesia	NAME OF STUDY	Integrated Regional Development Plan for the Northern Part of Sumatra		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1989	SECTOR	Integrated Regional Development Plan
	OBJECTIVES OF STUDY	Long-term planning (1989-2008) and preparatory study of priority projects.				
	MAJOR PROPOSED PROJECT(S)	Site area: Four provinces of northern Sumatra (Aceh, North Sumatra, West Sumatra and Riau). Integrated Development Program (IDEP): consists of 30-40 projects intended for 11 priority areas. Sector Project: 430 projects (291 IDEP components).				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar, Workshop		
	DESCRIPTION	<p>Sector Project</p> <p>Finance: Own fund, Japan's ODA loan and grant aid, WB, ADB (High land vegetable p.), Belgium, Germany (High tension wire p.), Germany (Medang gas thermal power generation p.), Korea (Medang carbon thermal power generation p.), France (Medang-Padang digital microwave project), IFAD(Animal husbandry promotion p.).</p> <p>This projects was utilized in the fifth five-year national development plan. Moreover, the study results have been extensively utilized as a regional planning model.</p> <p>Technical Cooperation:</p> <p>An expert was dispatched in 1992 to monitor the progress of IDEPs. According to the report which completed in Jul.1994, there were some advance in approx. 70% of the whole project.</p>				

IDN/S 125/89

29	COUNTRY	Indonesia	NAME OF STUDY	Kemayoran Urban Housing Development Project		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1989	SECTOR	Urban Planning & Land Development
	OBJECTIVES OF STUDY	To conduct a F/S on Housing and Redevelopment of Kemayoran Airport vacant lot and urban area.				
	MAJOR PROPOSED PROJECT(S)	<p><M/P>Development plan within ex-airport area (for low income, general use, urban amenities, etc.). Housing renewal plan in neighborhood area of ex-airport. Development of methodology of urban renewal.</p> <p><F/S>Housing renewal on total 3.5 ha of case study site D located in ex-airport.</p>				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>Site area: <M/P>Within ex-airport project site (133ha). <F/S> Outside ex-airport project site (4 site, 19ha).</p> <p>The development/redevelopment of the ex-airport site was partially commenced from 1989 with Indonesia's own fund. Housing development on 120ha will be implemented by Perumnas (Indonesian Housing Corporation). Private sector is steadily implementing the development mainly for upper-class residences and is also engaged partially in development of low cost housings.</p>				

IDN/S 215B/89

30	COUNTRY	Indonesia	NAME OF STUDY	Integrated Radio and Television Servicing System Project		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1989	SECTOR	Broadcasting
	OBJECTIVES OF STUDY	To formulate Integrated Radio and Television Servicing System Project covering the entire country and F/S corresponding to Repelita V.				
	MAJOR PROPOSED PROJECT(S)	F/S: Rehabilitation of 8 high radio stations, 5 TV transmitting stations; Establishment of a maintenance system; Improvement of radio program transmission line, engineering communication network; Introduction of TV up-links; Additional construction of MW facilities(5 stations); Rehabilitation of regional radio stations (4 stations).				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>High priority has been given to the role of broadcasting to achieve the target of the National Development Plan. Finance: Japan's ODA Loan (Dec.1990 L/A 7,478mil.yen, Nov.1993 L/A 708mil.yen, 1995 L/A 5,318mil.yen). Construction: Phase 1: Hand-over (Sep.1994). Phase 2: Completed (Nov.1996). Phase 3: Scheduled to be completed by Aug. 2000.</p>				

IDN/S 216B/89

31

COUNTRY	Indonesia	NAME OF STUDY	Long-Term and Medium-Term Plan for Telecommunications Network in Jabotabek Area		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1989	SECTOR	Telecommunication
OBJECTIVES OF STUDY	The Long-term and medium-term plan for telecommunications network in JABOTABEK Area.				
MAJOR PROPOSED PROJECT(S)	Expansion project of junction network for the expanded Jakarta multi-exchange area: Establishment of junction section (2 sections), optical fiber cable transmission system (15 sections), radio transmission system (2 sections).				
PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT		
DESCRIPTION					
Finance: Japan's ODA Loan (Sep.1991 L/A 3,556mil.yen). Construction: Completed (Sep.1996).					

IDN/S 217/89

32

COUNTRY	Indonesia	NAME OF STUDY	Industrial Plantation Forest Development Plan in South Sumatra Area		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	Forestry & Forest Conservation
OBJECTIVES OF STUDY	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.				
MAJOR PROPOSED PROJECT(S)	Site area: Benakat area in South Sumatra Province (50,000ha). Operation site (43,000ha), Planting site (27,000ha), Planting species (A.mangium and other 2 species; short rotation 8yrs., P.canescens and other 2 species; long rotation 20 to 35 yrs.), Nurseries and offices (3 places, 9.5ha), Forest road (560km).				
PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
DESCRIPTION					
According to the Fifth Five Year Development Plan (1989/90-93/94), the highest priority is put on the implementation of industrial plantations to be done in 15 years which is as large as 4.4 million ha. Finance: own fund Construction: 1990-1997 Effects: Creating job opportunities, Improvement of environmental condition of forest resource.					

IDN/A 311/89

33	COUNTRY	Indonesia	NAME OF STUDY	Cikampek-Cirebon Tollway Project		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	Road
	OBJECTIVES OF STUDY	To determine feasibility of constructing tollway.				
	MAJOR PROPOSED PROJECT(S)	Construction plan was dividend into 3 packages (9 sections). Package A: Cikampek interchange (I.C.)-Subang I.C. Expansion length 36.9km, Sec.1-2. Package B: Subang I.C.-Dawuan I.C. Expansion length 53.5km, Sec.3-5. Package C: Dawuan I.C.-East Cirebon I.C. Expansion length 53.9km, Sec.6-9.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>The project was dividend into four sections. All of them were to be implemented with a BOT scheme.</p> <p>(1)Cirebon-Palimanan Subsequent study: D/D by private sector (1993). Finance: BOT by private sector. Construction: Scheduled to be completed in 1998.</p> <p>(2)Sadang-Palimanan Subsequent study: D/D by IBRD (Jun.1995). Construction section was altered to Sadang-Subang, Subang-Dawuan, Dawuan-Palimanan. Finance: BOT by private sector. Construction: The construction has not been commenced because D/D is uncompleted.</p>				

IDN/S 338/89

34	COUNTRY	Indonesia	NAME OF STUDY	Airport Maintenance and Rehabilitation		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1990	SECTOR	Air Transportation & Airport
	OBJECTIVES OF STUDY	Preparation of M/P for maintenance and rehabilitation for 10 airports selected from 20.				
	MAJOR PROPOSED PROJECT(S)	Selected 10 airports: Gunung Sitoli, Palembang, Semarang, Pontianak, Sampit, Ambon, Ternate, Mataram, Bima, Merauke. Overlay of runway, taxiway, apron; Installation of air conditioner; Provision of tractor; Expansion of PAX building; Installation of security equipment, etc.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	Counterpart training, Seminar		
	DESCRIPTION	<p>M/P was adopted as a rehabilitation plan of major airports.</p> <p>1.Airport Safety Facilities Improvement Project Finance: Japan's ODA Loan (Nov.1993 L/A 6,785mil. yen). Construction: Partially completed (1996). Effects: The modernization of airport safety facilities has improved the reliability and service of the airport.</p> <p>2.Palembang Airport Development Project Finance: Japan's ODA Loan (Jan.1998 L/A 8,826mil. yen).</p>				

IDN/S 126/90

35

COUNTRY	Indonesia	NAME OF STUDY	Long-Term and Medium-Term Plan for Telecommunications Network in Surabaya and Surrounding Areas		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1990	SECTOR	Telecommunication
OBJECTIVES OF STUDY	The long-term and medium-term plan for telecommunications network in Surabaya and surrounding areas.				
MAJOR PROPOSED PROJECT(S)	F/S: 1.Expansion of Junction Network in Surabaya Multi-exchange Area. 2.Improvement of Trunk Network. 3.Improvement of Rural Area Network.				
PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
DESCRIPTION					
<p>The development of integrated network has been achieved by the implementation of the proposed project, and the additional construction.</p> <p>Finance: Japan's ODA Loan (Oct.1992 L/A 2,941mil. yen, Nov.1993 L/A 8,091mil. yen).</p> <p>Construction: Implemented (Mar.1995-Mar.1997).</p> <p>Additional Construction: Jun.1997-Dec.2000.</p> <p>*Contents: Installation of the exchange stations, Introduction of ISDN line/digital subscriber lines, Introduction of junction network with fiber optic transmission system and SDH system.</p> <p>Effects: The rural radio subscriber terminal has contributed to the area without telephones.</p>					

IDN/S 218B/90

36

COUNTRY	Indonesia	NAME OF STUDY	Urban Drainage and Waste Water Disposal Project in the City of Jakarta		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1990	SECTOR	Sewerage
OBJECTIVES OF STUDY	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.				
MAJOR PROPOSED PROJECT(S)	<F/S>1.Urban Drainage: Channel Improvement (27.4km), Revetment Works (46km), Bridge Improvement (15 places). 2.Wastewater Disposal: Sewer Lines Improvement (Conveyance:10.34km, Collection:528km), Booster Pump Station Improvement, Treatment Plant Improvement.				
PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Seminar		
DESCRIPTION					
<p>F/S site area: Priority area in Jakarta City which was selected in M/P. Urban Drainage (38 sq.km), Waste Disposal (43 sq.km).</p> <p>1.Emergent Project D/D was conducted in Central Jakarta which includes 4,000ha area of the F/S prioritized area. A part of a construction of treatment plant utilizing Pluit Pond was undertaken as an emergency project. Finance: Japan's ODA loan (Oct.1992 L/A 2,121mil. yen).</p> <p>2.Urban Drainage Project in Jakarta D/D was conducted to up-date the situation which has changed from the time M/P was conducted (Review study of D/D (Detailed Design for Urban Drainage Project in the City of Jakarta) was implemented by JICA in Aug.1996-Jan.1998).</p>					

IDN/S 219B/90

37

COUNTRY	Indonesia	NAME OF STUDY	Bogor-Bandung Road Project		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	Road
OBJECTIVES OF STUDY	Development of road network to serve the increasing traffic demand and regional development.				
MAJOR PROPOSED PROJECT(S)	Site area: West Java Province, Java Island. 1.New Road Construction Project: Extent the Jagorawi Toll Road and construct new road of 100m length which terminate at the new Chikampek-Padalarang Toll Road. 2.Regional Road Development Project: Buncak Pass-Jagorawi Toll Road (15km).				
PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Seminar		
DESCRIPTION	<p>1.New Road Construction Project: Ministry of Public Works and Expressway Corporation of the Government of Indonesia divided this project into 3 portions and made as a privatized BOT project. (1)Chiawi-Sukabumi (2)Sukabumi-Ciranjang (3)Ciranjang-Padalarang Finance: D/D, construction, and management will be implemented by private fund. Construction: The projects, which were to be conducted in 1998-2000, are now unable to implement due to the effect of economic crisis that occurred in 1997. Korean company won the contract, but the construction is in stagnant.</p> <p>2.Regional Road Development Project Indonesia intends to include this project in Regional Maintenance Project which is already implemented with Japan's ODA loan.</p>				

IDN/S 339/90

38

COUNTRY	Indonesia	NAME OF STUDY	Maintenance Dredging in the Access Channel of Banjarmasin Port		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	Port
OBJECTIVES OF STUDY	Development of siltation countermeasures in the access channel and effective planning and management of maintenance dredging.				
MAJOR PROPOSED PROJECT(S)	Site Area: Banjarmasin Port of South Kalimantan and surrounding areas. Content: Comprehensive Plan (by 2000) and First-stage Plan (by 1995) 1.Construction of siltation countermeasure. 2. Effective planning and management of maintenance dredging. 3.Arrangement of navigational aid and procurement of pilot boat.				
PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Counterpart training, Seminar		
DESCRIPTION	<p>1.Siltation Countermeasure The project has been cancelled considering the negative impact on environment with the rise of recent environmental concern.</p> <p>2.Maintenace Dredging Maintenance dredging in the access channel is being implemented by state budget.</p>				

IDN/S 340/90

39

COUNTRY	Indonesia	NAME OF STUDY	Surabaya - Mojokerto Toll Road Project		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1991	SECTOR	Road
OBJECTIVES OF STUDY	To examine feasibility of constructing/operating toll road.				
MAJOR PROPOSED PROJECT(S)	Site area: Surabaya-Mojokerto Toll Road and surrounding area Content: Extension length (38.32km), No. of lanes (4-6), Design speed (120km/h), Width (Lane width=3.6km, Median width=5.5m, etc.), Major bridges (Prorong R. Bridge, Surabaya R. Bridge), Interchange (5 places), Toll Levy System (Distance-proportional system), etc.				
PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
DESCRIPTION	Finance: Private fund.				

IDN/S 341/91

40

COUNTRY	Indonesia	NAME OF STUDY	Telecommunications Network Development Plan for Repelita-VI		
TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1992	SECTOR	Telecommunication
OBJECTIVES OF STUDY	To formulate a telecommunications network development plan for Repelita-VI according to the telecommunications long-term development policy.				
MAJOR PROPOSED PROJECT(S)	Site area: Entire land of Indonesia. Area project, Backbone transmission project, 1.5 Mlu area project (Jakarta, Surabaya, Bandung), Mobile telephone project, Radio paging project, O&M project, Project management/Engineering.				
PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training		
DESCRIPTION	<p>1. Jakarta Area Finance: Japan's ODA loan (Nov.1993 L/A 3,590mil.yen, Oct.1994 L/A 13,770mil.yen). Construction: Phase I (Mar.1996-Aug.1997), Phase II (Mar.1996-Aug.1998).</p> <p>2. Surabaya Area Finance: Japan's ODA loan (Nov.1993 L/A 8,091mil.yen). Construction: most construction has completed.</p> <p>3. Other areas In Repelita VII, Indonesia was dividend into 7 areas. Part of the construction was implemented by BOT in those 5 areas (Sumatra, Western Java, Central Java, Karimantan, Eastern Indonesia).</p>				

IDN/S 106/92

41	COUNTRY	Indonesia	NAME OF STUDY	Integrated Regional Development Plan for the Southern Part of Sumatra		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1992	SECTOR	Integrated Regional Development Plan
	OBJECTIVES OF STUDY	Formulation of a development plan (1990-2010) and identification of priority areas and projects.				
	MAJOR PROPOSED PROJECT(S)	Site area: 4 provinces of southern part of Sumatra (Jambi, South Sumatra, Bengkulu, and Lampung). Priority projects: 1.Agricultural project (on-farm land development). 2.Industrial project (industrial estates development and other 21 projects).				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Workshop		
	DESCRIPTION	<p>Indonesian government has utilized the study results in formulation of National Development Plan (Replita VI) and provincial development plan. Technical Cooperation: Long-term experts and short-term experts were dispatched.</p> <p>1.Muaya-Sabak Port (Jambi) Finance: Japan's ODA loan. Development completed in 1993.</p> <p>2.Eastern Sumatra Coastal Road (Lampung, Southern Sumatra) Subsequent Study: F/S was implemented. Construction: Implementing.</p> <p>3.Proceeding projects: Batang Hari Integrated Basin Development Plan, Batang Hari Deep Sea Port Plan, Lampung Selatan Flood Control and Sabo Project, New Backbone Transmission Fiber Optic System.</p>				

IDN/S 127/92

42	COUNTRY	Indonesia	NAME OF STUDY	Development of Coastal Roads in East Coast of Sumatra		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1992	SECTOR	Road
	OBJECTIVES OF STUDY	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.				
	MAJOR PROPOSED PROJECT(S)	<F/S> Site area: Kayuagung-Menggala (Extension Length 183km). Content: Length (183km), No. of Lanes (changed to 2 lanes, width 7.0m), Width (2.0m), Pavement.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION	<p>1.Sumatra East Coast Highway Project (Menggala~Ketapang section) Finance: Japan's ODA loan (Jan.1998 L/A 6,652mil.yen). Construction: planned to be implemented (2000-2001).</p>				

IDN/S 221B/92

43	COUNTRY	Indonesia	NAME OF STUDY	The Development of Waste Water Disposal for Denpasar		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1992	SECTOR	Sewerage
	OBJECTIVES OF STUDY	To conduct a F/S on water resources development project for the priority areas selected in the M/P study.				
	MAJOR PROPOSED PROJECT(S)	Site area: Central Denpasar area of 268,300km ² and Sanur area of 74,000km ² . 1. Denpasar area: Area (1,030.8ha), maintenance of 2nd sewer (126.02km) and main sewer (19.53km). 2. Sanur area: Area (331.8ha), maintenance of 2nd sewer (32.72km) and main sewer (4.31km), and force main (5.16km).				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Seminar		
	DESCRIPTION	Subsequent study: Japan's ODA loan (Nov.1994 L/A 5,400mil.yen). Construction: Scheduled (2000-2004).				

IDN/S 344/92

44	COUNTRY	Indonesia	NAME OF STUDY	Solid Waste Management Improvement for Surabaya City		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1993	SECTOR	Urban Sanitation
	OBJECTIVES OF STUDY	M/P and F/S for Solid Waste Management with the target year of 2010.				
	MAJOR PROPOSED PROJECT(S)	Site area: Surabaya City Improvement and construction of final disposal site, Increase of service coverage and hygienic upgrading in haulage, street sweeping efficiency, Improvement of vehicle maintenance, Institutional improvement in waste management, Waste amount reduction, etc.				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1. Surabaya Urban Development Project Finance: Own fund, World Bank. Construction: Construction of a final disposal plant and improvement of waste collection sites/workshops are underway.</p> <p>2. Related Project Finance: Japan's ODA loan (Jan.1993 L/A 11,250mil.yen). Construction: Implemented (Jan.1993-Mar.1997).</p>				

IDN/S 203/93

45	COUNTRY	Indonesia	NAME OF STUDY	Integrated Modernization Plan for Sea Transportation in Eastern Indonesia		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1993	SECTOR	Port
	OBJECTIVES OF STUDY	Formulation of a M/P for modernization of sea transportation in Eastern Indonesia. F/S of two ports.				
	MAJOR PROPOSED PROJECT(S)	Site area: Eastern Indonesia (12 provinces). Content:< M/P> Construction of 3 kinds of standard ships; Improvement of sea transportation service, basic yard for repair and inspection of ships, etc. <F/S> Rehabilitation of Bitung Port and Kupang Port.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION					
	<p>M/P: 1.Maritime Transportation in Eastern Indonesia Finance: Japan's ODA Loan 1.(Sep.1991 L/A 8,499mil.yen) 2.(Oct.1992 L/A 5,231mil.yen) Construction: completed (1: Jul.1996, 2: Feb.1998).</p> <p>2.Small Ports Development Project in Eastern Indonesia Subsequent study: D/D and B/D were implemented by own fund. Finance: Japan's ODA Loan (Jan.1998 L/A 3,111mil.yen).</p> <p>F/S: Development of Bitung Port and Kupang Port Finance: Japan's ODA Loan (Dec.1998 L/A 5,250mil. yen). Construction: Scheduled (1998-2001).</p>					

IDN/S 204/93

46	COUNTRY	Indonesia	NAME OF STUDY	Water Resources Development, Urgent Flood Control and Urban Drainage in Semarang City and Suburbs		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1993	SECTOR	Water Resources Development
	OBJECTIVES OF STUDY	To formulate a M/P on Flood Control, Urban Drainage, Water Resources Development. To conduct a F/S on the selected prioritized plans.				
	MAJOR PROPOSED PROJECT(S)	Site area: Central Java Province, Semarang City and its suburbs. Contents: 1.Flood Control: Rehabilitation of 5 rivers and construction of 2 dams. 2.Urban Drainage: 16 objective channels, area (104km ²), total length (73km). 3.Water Resources Development: development vol. (10.37m ³ /s), construction of 4 dams.				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Seminar		
	DESCRIPTION					
	<p>Subsequent study: JICA Development Study D/D (Aug.1997-). Finance: Indonesia is considering to request Japan's ODA loan.</p>					

IDN/S 205/93

47	COUNTRY	Indonesia	NAME OF STUDY	Upland Plantation and Land Development Project at Citarik Watershed		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1993	SECTOR	Forestry & Forest Conservation
	OBJECTIVES OF STUDY	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.				
	MAJOR PROPOSED PROJECT(S)	Maintenance of; Bench terraces (5,448ha), small dike terraces (2,320ha), forest development (3,228ha), agroforestry (3,072ha), dry fields (7,828ha), 70 check dams, 139 small check dams, 2080 gully plugs, revetment work (16,000m), demonstration plot (30 units), a training center, new road construction (74km), improvement of road (130km), nursery (12 units).				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>Site area: Citarik sub-watershed of Citarum watershed in West Java (50,000ha). Subsequent study: SAPROF by OECF (Nov.1994-Feb.1995). Finance: Japan's ODA loan (Dec.1995 L/A 4,128mil.yen). Construction: Scheduled (Apr.1998-2002).</p>				

IDN/A 323/93

48	COUNTRY	Indonesia	NAME OF STUDY	Coastal Resources Inventory Management and Enhancement		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1994	SECTOR	Fishery
	OBJECTIVES OF STUDY	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.				
	MAJOR PROPOSED PROJECT(S)	<p>Site area: East coast area of Sumatra Is., east of Rupa Is., Riau State. 4 villages were selected as model cases and following schemes have been proposed: Organization of fishermen, construction of infrastructure, procurement of equipment, plantation of mangroves, introduction of fish farming, production of local marine products, etc.</p>				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>Several programs were implemented by Indonesian government budget and ADB finance.</p>				

IDN/A 316/94

49	COUNTRY	Indonesia	NAME OF STUDY	Urban Arterial Road System Development Project in Jakarta Metropolitan Area		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1994	SECTOR	Road
	OBJECTIVES OF STUDY	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.				
	MAJOR PROPOSED PROJECT(S)	Site area: Jakarta city and its surroundings. Construction of arterial roads through east to west and north to south in Jakarta City.				
	PRESENT STATUS	Delayed or Suspended	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1. North-South Road (coastal road-outer ring road section, 20km) Underground railway and triple decker are to be constructed at almost same route which was proposed in the study. Also, the establishment of mass transportation system is now in the procedure of implementation. Both transportation system will be implemented with private fund.</p> <p>2. East-West Road (30 km out of Tangerang-Bucatu section) The government of Indonesia is considering to request for a review of the Study.</p>				

IDN/S 345/94

50	COUNTRY	Indonesia	NAME OF STUDY	Land Rehabilitation Plan of Semi Arid Zone in East Nusa Tenggara		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1995	SECTOR	Forestry & Forest Conservation
	OBJECTIVES OF STUDY	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.				
	MAJOR PROPOSED PROJECT(S)	Site area: Eastern part of Kupang, Amarasi, Central part of Kupang (Oesao, Olio, Oebelo, Savu Basin) in the Timor Island. Content: Forest creation, agrarian reform, grassland reform, mountain torrent conservation, wasteland restoration, Gully erosion protection, torrent side erosion protection, etc.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>The results of the Study have been used as reference in preparing the detailed plan of land rehabilitation in the study area. Construction started from Jan.2000 by OECF Sector Project Loan (SPL).</p>				

IDN/A 107/95

51	COUNTRY	Indonesia	NAME OF STUDY	Engineering Manpower Development Planning		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1995	SECTOR	Others
	OBJECTIVES OF STUDY	1) Formulation of supply and demand forecasting on technicians, skilled workers according to special techniques and occupations, and elaboration of training plan. 2) Technical transfer to Indonesian counterpart through the study.				
	MAJOR PROPOSED PROJECT(S)	The following projects will be implemented in the entire area of Indonesia: Reformation of education system (for technicians and skilled workers), Promotion of occupation model, Establishment of new scheme on in-house-training, Reorganization of work training system, Establishment of supply & demand information system of technicians & skilled workers.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	The results of the Study have been utilized as a basic data for skilled worker in Seventh Five-Year National Plan. Subsequent study: F/S and review study were implemented by own fund.				

IDN/S 128/95

52	COUNTRY	Indonesia	NAME OF STUDY	Container Cargo Handling Ports & Dry Ports and its Connecting Railway		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1995	SECTOR	Port
	OBJECTIVES OF STUDY	M/P on Container ports and Railway Container Terminals (dry port) throughout Indonesia, F/S on one port and one dry port.				
	MAJOR PROPOSED PROJECT(S)	Site area: Ujung Pandang Port(South Sulawesi) F/S: Short term development plan of priority ports, dry-port and Jakarta metropolitan railway Improvement of multi-purpose wharf as container terminal; Improvement of yard plan and cargo handling equipment; Establishment of container terminal				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Counterpart training, Seminar		
	DESCRIPTION	<p>1. Container Ports Improvement No.8 terminal of Tg. Priok Port started its operation in Feb.1998. Improvement works for ports of Tg. Prak, Tg. Emas, Belawan, Makassar, Banjarmasin, Bonjonegara are being implemented or prepared with private fund and overseas loans including Japan. 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 under the process of land acquisition.</p> <p>2. Dry Port Development As the existing dry port is in full capacity, the yard needs to be constructed within few years.</p>				

IDN/S 223/95

53	COUNTRY	Indonesia	NAME OF STUDY	Waste Water Disposal and Solid Waste Management for the City of Ujung Pandang		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1995	SECTOR	Urban Sanitation
	OBJECTIVES OF STUDY	M/P, F/S on Environmental Sanitation Improvement in Ujung Pandang City, Indonesia.				
	MAJOR PROPOSED PROJECT(S)	Site area: Ujung Pandang City. F/S: Sewage Development (public toilet, vacuum car, access road to urine disposal, modulation system, sewerage). Garbage Work (garbage truck, road/drainage canal, final disposal plant).				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	Request for Japan's ODA loan on solid waste disposal will be submitted.				

IDN/S 225/95

54	COUNTRY	Indonesia	NAME OF STUDY	Third Umbrella Cooperation for Integrated Agricultural and Rural Development		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1996	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	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).				
	MAJOR PROPOSED PROJECT(S)	Site area: South Sulawesi, West Nusa Tenggara, South Kalimantan & West Java. 86 agricultural development projects were given priority as the target projects that will be implemented by Japan in the next 5 years and implementation schedule were proposed for the improvement of farmers' living.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	Counterpart training, Seminar, Workshop		
	DESCRIPTION	Mid-term evaluation was implemented in March, 1999. The implementation of the project is not the purpose of this Study, and the Study results are utilized as a guideline of Japan's cooperation toward Indonesia.				

IDN/A 101/96

55	COUNTRY	Indonesia	NAME OF STUDY	Medan Flood Control Project		
	TYPE OF STUDY	D/D	STUDY COMPLETION YEAR	1996	SECTOR	River & Erosion Control
	OBJECTIVES OF STUDY	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.				
	MAJOR PROPOSED PROJECT(S)	Site area: Percut and Deli River Basin (544km ²). Contents: Improvement of Percut River (28km), construction of Medan floodway, improvement of Deli River (1km), construction of diversion works.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Seminar		
	DESCRIPTION	<p>Finance: Japan's ODA loan (Jan. 1998 L/A 9,697mil.yen). (contents) 1. Riverbank reinforcement on the Percut River and upper Deli River (30km). 2. Construction of bypass floodway (4km). Construction: Dec. 1998 - Aug. 2002.</p>				

IDN/S 401/96

56	COUNTRY	Indonesia	NAME OF STUDY	Integrated Air Quality Management for Jakarta Metropolitan Area		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1997	SECTOR	Environmental Problems
	OBJECTIVES OF STUDY	Formulation of strategy and countermeasures for integrated air quality management in Jakarta metropolitan area.				
	MAJOR PROPOSED PROJECT(S)	Site area: Jabotabek area including DKI Jakarta, Bogor, Tangerang and Bekasi. Contents: 1. Strengthening of Ambient Air Monitoring System 2. Preparation of Stationary Source Inventory 3. Preparation of Mobile Source Inventory in Jabotabek.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar, Workshop		
	DESCRIPTION	<p>1. Strengthening of Ambient Air Monitoring System BAPEDAL has already developed the ambient air monitoring system for 10 cities.</p>				

IDN/S 102/97

57

COUNTRY	Indonesia	NAME OF STUDY	Flood Control for Ambon and Pasahari Area		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1997	SECTOR	River & Erosion Control
OBJECTIVES OF STUDY	1) Formulation of a comprehensive M/P on flood control for Ambon city, one of the target areas of East Indonesia Development Program. 2) F/S for the priority projects.				
MAJOR PROPOSED PROJECT(S)	Site area: Urban center of Ambon City in Maluku Province F/S: Batu Merah River (River Improvement, Diversion Channel Develop.), Tomu River (River Improvement, Check Dam Develop.), Batu Gantung River, Batu Gajah River (River Improvement, Multi-purpose/Check dam Develop.).				
PRESENT STATUS	Promoting	TECHNICAL TRANSFER	Counterpart training, Seminar		
DESCRIPTION					
The government of Maluku Province and Ambon City strongly desire the implementation of the proposed project and are preparing to make a request for economic cooperation from Japan. The project has already been booked on the list (Blue Book) for 1999/2000.					

IDN/S 204/97

58

COUNTRY	Indonesia	NAME OF STUDY	Arterial Road System Development in Surabaya Metropolitan Area		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1997	SECTOR	Road
OBJECTIVES OF STUDY	1) Formulation of a M/P on development of road system (including arterial road and suburban trunk road) in Surabaya Metropolitan Area. 2) F/S for the priority roads.				
MAJOR PROPOSED PROJECT(S)	Site area: Surabaya Metropolitan area F/S: Development of toll road and arterial road. Route1 Toll road (15.5km), arterial road (20.8km). Route2 Arterial road (73.4km).				
PRESENT STATUS	Promoting	TECHNICAL TRANSFER	Counterpart training, Seminar		
DESCRIPTION					
Not enough time has elapsed from the completion of the Study for the developments of the project. However, some action based on the results of this Study will be taken for developing the arterial road that is necessary for the development in Surabaya Metropolitan area.					

IDN/S 206/97

59	COUNTRY	Indonesia	NAME OF STUDY	Social Forestry Development Project in the Upper Musi Watershed		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1997	SECTOR	Forestry & Forest Conservation
	OBJECTIVES OF STUDY	Formulation of F/S to conserve the forest and promote social forestry in order to improve the standard of living and social welfare of residents at Musi River Basin.				
	MAJOR PROPOSED PROJECT(S)	Site area: Kec. Curup and Kec. Kepahiang, Keb. Rejang Lebong, Proinsi Bangka Contents: Social oriented rehabilitation, social oriented border tree planting, agroforestry complex development, conservation planting development, dry crop field improvement, construction of Check Dam, riparian afforestation, new road construction, etc.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION	Construction started in Jan. 2000 by OECF Sector Project Loan (SPL).				

IDN/A 309/97

60	COUNTRY	Indonesia	NAME OF STUDY	Detailed Design for Urban Drainage Project in the City of Jakarta		
	TYPE OF STUDY	D/D	STUDY COMPLETION YEAR	1997	SECTOR	Sewerage
	OBJECTIVES OF STUDY	Detailed Design (D/D) for drainage project in northwest part of the capital city of Jakarta.				
	MAJOR PROPOSED PROJECT(S)	Site area: Cengkareng west area (36.17km ²), Meruya area (1.27km ²). Contents: To improve the water situation through drainage works and make the living environment better.				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER			
	DESCRIPTION	The Ministry of Public Works is intending to make a request for Japan's ODA loan.				

IDN/S 402/97

61	COUNTRY	India	NAME OF STUDY	Development of Calcutta and Haldia Dock Systems of Calcutta Port Trust		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1989	SECTOR	Port
	OBJECTIVES OF STUDY	To prepare a M/P of Calcutta and Haldia Dock up to the year 2005. To prepare a Short-Term Development plan and F/S of Calcutta and Haldia Dock up to the year 1995.				
	MAJOR PROPOSED PROJECT(S)	F/S: 1. Calcutta Dock: Rehabilitation of port road, railway, port facilities, cargo handling equipment, CFS, port service vessels. 2. Haldia Dock: Rehabilitation of container berth, multi-purpose berth, railway, cargo handling equipment, port service vessels; dredge work etc.				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1. Calcutta Dock Subsequent study: D/D was implemented (Apr.-Jun.1990)(Apr.-Aug.1991). F/S was implemented(Jan.1990-Aug.1991)(Feb.1990-Aug.1991) Finance: Almost all the funds were domestically financed by government or by loans. Foreign fund was financed by ADB loan. Construction: VTMS, replacement of railway track, rehabilitation of yard space, modernization of container freight station was implemented. Other construction works are undergoing.</p> <p>2. Haldia Dock Finance: Almost all the funds were domestically financed by government or by loans. Construction: Replacement of Tug Kunti, procurement of high-powered locomotive in replacement, construction of roads inside and outside docks, etc. Other works are on-going.</p>				

IND/S 201B/89

62	COUNTRY	India	NAME OF STUDY	Irrigation and Drainage Development of Sharda Canal CAD Project		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1991	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	To formulate an optimum agricultural development plan for the selected areas in the command area of Sharda canal CAD Project.				
	MAJOR PROPOSED PROJECT(S)	1. Irrigation plan: improvement of existing irrigation system, pump lift irrigation scheme, ground water development, establishment of wireless communication system; 2. Drainage plan; 3. On-farm development plan; 4. Improvement plan of water logging and salt affected areas; 5. Crop production plan; 6. Plan to actualize osranfandi.				
	PRESENT STATUS	Discontinued or Cancelled	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION	Reason for discontinued or cancelled: The state government has not approved the implementation of the project and there is no perspective for realization of the proposed project.				

IND/A 301/91

63

COUNTRY	India	NAME OF STUDY	Transport Infrastructure Development Project in Calcutta		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1992	SECTOR	Urban Transportation
OBJECTIVES OF STUDY	To conduct a F/S on the transport infrastructure for the alleviation of traffic congestion in the study area.				
MAJOR PROPOSED PROJECT(S)	Site area: Calcutta metropolitan area. Rehabilitation of 6 flyovers, Improvement of 4 intersections, Rehabilitation of pedestrian plaza (1.5km).				
PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Counterpart training		
DESCRIPTION					
Finance: Japan's ODA loan (Feb.1997 L/A 10,679mil.yen). Construction: implementing (Nov.1999~Aug.2002).					

IND/S 305/92

64

COUNTRY	India	NAME OF STUDY	Development of the Port of Mumbai		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1997	SECTOR	Port
OBJECTIVES OF STUDY	M/P for development of the Port of Mumbai (target year 2017) and F/S for short term development plan (target year 2007).				
MAJOR PROPOSED PROJECT(S)	F/S: 1.Establishment of a new full-scale container terminal: construction of infrastructure, construction of super structure, preparation of water facilities, etc. 2.Improvement of conventional cargo handling operation. 3.Management, operational and institutional matters.				
PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training		
DESCRIPTION					
Consultants are under bidding to advise the proposals/recommendation by this Study. Proposal for deepening of Main Channel is under consideration.					

IND/S 203/97

65	COUNTRY	India	NAME OF STUDY	Rehabilitation of Minor Irrigation Tanks for Rural Development in Tamil Nadu		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1997	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	M/P for rehabilitation of irrigation tanks to improve the standard of living of farmers who compose the lower income class in Tamil Nadu; and F/S for selected areas.				
	MAJOR PROPOSED PROJECT(S)	Site area: Former Chengalpattu-MGR and Ramanathapuram (total 5 districts in Tamil Nad State). Rehabilitation of tank irrigation system; Construction of community wells; Construction of demonstration farms and extension center; Formulation of WUAs by community organizer system.				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	F/F was conducted by OECF (Dec.1997).				

IND/A 308/97

66	COUNTRY	Cambodia	NAME OF STUDY	Phnom Penh Water Supply System		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1993	SECTOR	Water Supply
	OBJECTIVES OF STUDY	Formulation of M/P on water maintenance in Phnom Penh, Basic study on the urgent rehabilitation of existing water facilities.				
	MAJOR PROPOSED PROJECT(S)	1.Urgent rehabilitation works Rehabilitation of Phum Prek treatment plant etc., Expansion of Phum Prek treatment plant. 2.Medium-term plan Rehabilitation and maintenance of distribution system, Construction of Cham treatment plant.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>1.Urgent Rehabilitation Project Subsequent Study: D/D was done with Japan's grant aid (Phase1: Jan.-Jun.1994, Phase2: Aug.-Nov.1994). Finance: Japan's grant aid (Phase1: Jan.1994 E/N 980mil.yen, Phase2:Jul.1994 E/N 1,771mil.yen). Construction: Completed (Phase1: Feb.1995, Phase2: Feb.1996).</p> <p>2.Medium-term Plan 2nd Phnom Penh Water Supply System [S: B/D by JICA is on-going, D/D in Dec.'96-Mar.'97. F: Japan's grant aid (Jun.'97 E/N 2,112mil.yen. C: Oct.'97-Mar.'99)], Cham Car Morn Plant [S: D/D by French grant. F: French grant, own fund. C: Nov.'98], Toul Kork distribution facilities project [S: D/D by own fund. S: IBRD, own fund. C: Feb.-Dec.'99], Daun Penh distribution facilities [S: D/D by own fund, F: IBRD, French grant, own fund. C: Oct.'93-Apr.'96], other 2 plans are now under construction. Others: JOCV (for 2 years from Oct.1998). Experts and technical cooperation were requested.</p>				

KHM/S 201/93

67

COUNTRY	Cambodia	NAME OF STUDY	Integrated Agricultural and Rural Development Project in Suburbs of Phnom Penh		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1994	SECTOR	Irrigation, Drainage & Reclamation
OBJECTIVES OF STUDY	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.				
MAJOR PROPOSED PROJECT(S)	1.Irrigation Drainage Project: Repair & establishment of facilities in Tonle Bati & Kandal Stung. 2.Reinforcement of Agricultural Support Services: Improvement of Agricultural Dev. Center, etc. 3.Organization of Farmers Association: Establishment of water distribution union, etc. 4.Infrastructure for Rural Area: Improvement of water supply, farm roads schools, and clinics, etc.				
PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
DESCRIPTION	<p>Kompong Tul Spillway and Stung Toch Regulator (Kandal Stung Area) Subsequent Study: D/D by own fund (Jul.1995-Jun.1996). Finance: Own fund (Jan.1996 US\$2,437,000). Construction: Completed (Dec.1997).</p> <p>Requests for Japan's grant aid toward remaining projects are submitted.</p>				

KHM/A 201/94

68

COUNTRY	Cambodia	NAME OF STUDY	Telecommunications Network for Phnom Penh City and its Surrounding Area		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1995	SECTOR	Telecommunication
OBJECTIVES OF STUDY	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.				
MAJOR PROPOSED PROJECT(S)	The site of Phnom Penh city and its environs was divided into 9 exchange stations. 1.Urgent Project: Installation of telecom facilities in 3 areas. Provision of telecom service by radio station to other areas. 2.Preferred Project: Installation of 3 exchange stations. Installation of telecom facilities in remnant 6 areas. 3. Construction of maintenance center.				
PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
DESCRIPTION	<p>1. Urgent Project Subsequent Study: B/D (Apr.-Jul.1995). Finance: Japan's grant aid (Aug.1995 E/N 1,703mil.yen, Local Cost 137.5mil.yen) (Jun.1996 E/N 1,273mil.yen, Local Cost 104.4mil.yen) Construction: Feb.1996-Mar.1998.</p> <p>2. Request for financial assistance over the enhancement of MPTC Training Institute and its equipment has already been submitted to Japan. Request for project type technical cooperation has also been submitted.</p> <p>3. Digital Transmission Trunkline Construction was completed in May 1999 with KfW fund.</p>				

KHM/S 302/95

69

COUNTRY	Cambodia	NAME OF STUDY	Construction of Mekong Bridge		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1996	SECTOR	Road
OBJECTIVES OF STUDY	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.				
MAJOR PROPOSED PROJECT(S)	1. Main Bridge: Prestressed Concrete Box Girder Bridge (Length 1,000m). 2. Approach Bridge: Prestressed Concrete Box Girder Bridge (Length 360m). 3. Approach Road (Extension Length 2,238m).				
PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT		
DESCRIPTION	<p>Subsequent Study: B/D (For 6 months from Jul.1996). Japan's grand aid D/D (Feb.1997 E/N 125mil.yen, Conducted Period: 11 month from Feb.1997). Finance: Japan's grand aid (Jun.1997 E/N 6,382mil.yen). Construction: Implementing(Aug.1998~Mar.2002) Japanese Technical Cooperation: An expert on bridge design was dispatched from Apr.1998. Cambodian trainees are dispatched to Japan every year.</p>				

KHM/S 305/96

70

COUNTRY	Cambodia	NAME OF STUDY	Master Planning and Feasibility Study of the Sihanoukville Port in the Kingdom of Cambodia		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1997	SECTOR	Port
OBJECTIVES OF STUDY	1) Formulation of a M/P of the Sihanoukville Port. 2) F/S for the short-term port development project by the target year of 2005.				
MAJOR PROPOSED PROJECT(S)	M/P: General cargo berths (New construction 400m), Container cargo berths (New construction 400m, Renovation 50m), 4 Container gantry cranes, Bulk cargo berths (New construction 300m). F/S: General cargo berths (New construction 400m), Container cargo berths (New construction 240m), Container gantry cranes (2 units).				
PRESENT STATUS	Processing	TECHNICAL TRANSFER	OJT, Counterpart training		
DESCRIPTION	<p>Finance: Japan's ODA loan (24 Sep. 1999 E/N 4,142mil.yen, Sihanoukville Port Urgent Rehabilitation Project).</p>				

KHM/S 201/97

71	COUNTRY	Cambodia	NAME OF STUDY	Agricultural Development Study of the Mekong Flooded Area		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1997	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	To elaborate agricultural development project and to undertake F/S for priority area at Mekong basin of approx.1,100,000 ha (200,000 farm households) in five provinces in the southern part of the country.				
	MAJOR PROPOSED PROJECT(S)	1.Colmatage Farming Improvement Project: Rehabilitation of 20 canals; Rehabilitation of 10 bridges; Installation of 5 water control gates. 2.Agricultural Development Project Harmonized with Fisheries: Maintenance of reservoirs and multi-purposed roads; Construction of water conservation weir, Rehabilitation of canals, etc.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>Subsequent Studies: B/D had been implemented for Colmatage. D/D by Japan's grant aid (19 Feb. 1999 E/N 40 mil. Yen). Finance: Japan's grant aid (15 Jun. 1999 E/N 1,104 mil. Yen). Construction: On-going.</p>				

KHM/A 307/97

72	COUNTRY	Laos	NAME OF STUDY	Agricultural and Rural Development Project in the Suburbs of Vientiane		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	Formation of a plan for the irrigation and drainage and infrastructure development project of Vientiane municipality.				
	MAJOR PROPOSED PROJECT(S)	Site area: Saythany and Saysetha Districts of Vientiane Municipality Contents: 1.Develop.of irrigation and Drainage (main pump station, regulation pond, handreach, main irrigation canal, secondary irrigation canal, drainage canal, on-farm works). 2.Develop.of rural infrastructures (road 6.7km, deep well and water supply facilities).				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>Subsequent study: B/D (Nov.-Dec.1989). Finance: Japan's grant aid (Aug.1990 E/N 1,074mil.yen, Jul.1991 E/N 688mil.yen, Jul.1992 E/N 450mil.yen). Construction: completed (Mar.1994).</p>				

LAO/A 301/89

73

COUNTRY	Laos	NAME OF STUDY	The Ngon Bridge Construction Project		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	Road
OBJECTIVES OF STUDY	Formulation of a F/S on Tha Ngon Bridge.				
MAJOR PROPOSED PROJECT(S)	Site area: Vientiane Municipality, Xaythani District (1200 km ²). Contents: Construction of bridge (multi-column foundation by reverse circulation drill method concrete pile). Construction of approach road (width: total 9m, carriage 6m, shoulder 1.5m x 2).				
PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT, Seminar		
DESCRIPTION	Finance: private fund. Construction: completed by BOT (Apr.1994).				

LAO/S 301/90

74

COUNTRY	Laos	NAME OF STUDY	The Integrated Agricultural Rural Development Project in Savannakhet Province		
TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1992	SECTOR	(Agriculture in) General
OBJECTIVES OF STUDY	1. To formulate a M/P for plain area in Savannakhet Province and lower Xe banglai plain in Khammouane Province. 2. To conduct a F/S for the top priority project.				
MAJOR PROPOSED PROJECT(S)	Development of dam and secondary canal of N.H.Bak irrigation project district, Development of dam and gate weirs of Namphou irrigation project district, Road improvement (9 bridges), Development of an agriculture supporting center, Development of water supply (10 wells).				
PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT		
DESCRIPTION	<p>1.Development of Irrigation Facilities</p> <p>1-1.Development of irrigation facility, agriculture support center, rural infrastructure service Subsequent study: B/D (May-Sep.1993). Finance: Japan's grant aid (Dec.1993 E/N 498mil.yen, Jul.1994 E/N 476mil.yen, Jul.1994 E/N 1,251mil.yen). Construction: Phase I completed (Feb.1995), Phase II completed (Feb.1996). Effect: The amount of crops harvested in the project area increased 2 to 3 times than before.</p> <p>1-2.Construction of terminal canals Construction: Namphou area was completed. N.H.Bak area is under construction. Effect: Distribution system has improved by the rehabilitation of roads and bridges.</p> <p>2.Technical Cooperation: Acceptance of 2 trainees, dispatch of 4 experts.</p>				

LAO/A 101/92

75	COUNTRY	Laos	NAME OF STUDY	Agricultural Development Project to Control Slash and Burn Cultivation in Oudomxay Province		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1993	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	1.To formulate a M/P of the agricultural development to control slash and burn cultivation in the Oudomxay province. 2.To conduct a F/S on the selected model area identified in the M/P.				
	MAJOR PROPOSED PROJECT(S)	Site area: Xai, Beng and Hun areas (773ha in total). Contents: Irrigation system rehabilitation, development of social infrastructures, construction of agriculture station, establishment of extension office and rice banks, development of equipment.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION					
	<p>Finance: Japan's small-scale grant aid Contents: Phase I-III construction of water intake facilities, canals, and incidental facilities in Xai, Hun, Beng areas. Seed Center</p> <p>The water users' association organized by farmers is in charge of operating & managing the water intake facilities, irrigation canals, and incidental facilities in Xai area.</p>					

LAO/A 221/93

76	COUNTRY	Laos	NAME OF STUDY	Integrated Agricultural Rural Development Project in Boloven Plateau		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1996	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	1) Formulation of a M/P on Integrated Agricultural Rural Development Project in Boloven Plateau, for the purpose of attaining the sustainable agricultural development. 2) F/S for selected area.				
	MAJOR PROPOSED PROJECT(S)	Site area: Boloven Plateau which extends over 4 provinces in southern area of Lao PDR. M/P: Irrigation develop. and rural develop. (road, water supply, etc.) for 16 model develop. areas. F/S: Irrigation & rural develop. of Upper Champi, Tapöcen, Kaphue, Tay-Un, and Lower Xeset. Establishment of highland vegetable trial and demonstration area.				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	Counterpart training, Workshop		
	DESCRIPTION					
	<p>Requests for Japan's grant aid was submitted to Japan. Technical Cooperation: JICA expert (agronomist) is dispatched to Agriculture and Forestry Service Office, Champasack Province from 10th Jan. 2000~9th Jan. 2002.</p>					

LAO/A 201/96

77	COUNTRY	Laos	NAME OF STUDY	Construction of Mekong Bridge at Pakse		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1996	SECTOR	Road
	OBJECTIVES OF STUDY	To undertake a F/S for construction of the bridge across the Mekong at Pakse and approach roads to the bridge.				
	MAJOR PROPOSED PROJECT(S)	Site area: Pakse town in Champasak Province. Contents: 1. Construction of bridge (prestressed concrete box girder bridge length: 1,380m). 2. Construction of approach roads (Pakse side: 680m, Phonthong side: 2,350m).				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>Subsequent study: Appraisal survey was implemented by JICA (Apr.-Aug.1996). D/D was implemented by Japan's grant aid (Aug.1996 E/N 143mil.yen). D/D was implemented (Sep.1996-Mar.1997). Finance: Japan's grant aid (May1997 E/N 1/4: 1,914mil.yen, 5,446mil. yen in total). Construction: implementing (Oct.1997-Oct.2000). Technical Cooperation: Counterpart Training- 4 participants were accepted in 1997 and 1998.</p>				

LAO/S 306/96

78	COUNTRY	Sri Lanka	NAME OF STUDY	Sand Drift in the Southeastern Coast		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1989	SECTOR	Fishery
	OBJECTIVES OF STUDY	To clarify the sand drifting system in/out of the Kirinda Fishery Harbor; and to formulate the countermeasure for siltation and the maintenance/dredging plan.				
	MAJOR PROPOSED PROJECT(S)	1. Extension of Main Breakwater. 2. Improvement of Existing Main Breakwater. 3. Construction of Sub-breakwater. 4. Construction of Jetty.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>Subsequent study: B/D (Oct. - Nov. 1990), B/D (Jan. 1991), D/D by Japan's Grant Aid (Jan. 1992 E/N 28mil.yen). Finance: Japan's Grant Aid (May 1992 E/N 737mil.yen, May 1993 E/N 1,209mil.yen, May 1994 E/N 212mil.yen). Contents: Phase I (extension of main breakwater, construction of sub-breakwater), Phase II (extension of main breakwater, construction of jetty and sub-breakwater), Phase III (extension/rehabilitation of main breakwater, construction of sub-breakwater). Construction: Phase I (Oct.1992 - Mar.1993), Phase II (Jun.1993 - Mar.1994), Phase III (Jun.1994 - Mar.1995). Effects: Increase of fish catch and increase of fishermen's income.</p>				

LKA/A 102/89

79

COUNTRY	Sri Lanka	NAME OF STUDY	Development of the Port of Colombo		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1989	SECTOR	Port
OBJECTIVES OF STUDY	M/P and F/S on development of the Port of Colombo. Plan and design of the container terminal.				
MAJOR PROPOSED PROJECT(S)	<F/S> 1.Jaya Container Berth (Berth No.3 & 4); 2.New North Pier (Berth No.1 & 2); 3.Pipe line for the new oil terminal; 4.Rehabilitation of Queen Elizabeth Quay No.4&5; 5.Additional cranes for JCT 1&2 berths; 6.Dredging of main channel.				
PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT		
DESCRIPTION	<p>Finance: Japan's ODA Loan. Mar.1990 L/A 6,329mil.yen (Expansion of the Port of Colombo(I)); Mar.1991 L/A 11,021mil.yen (II); Mar.1992 L/A 21,055mil.yen (III); Aug.1993 L/A 7,728mil.yen (IV); Jul.1994 L/A 5,668mil.yen (Improvement of the Port of Colombo (I)); Aug.1995 L/A 12,705 mil.yen (II). Construction: completed.</p>				

LKA/S 202B/89

80

COUNTRY	Sri Lanka	NAME OF STUDY	Development of the Port of Galle		
TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1991	SECTOR	Port
OBJECTIVES OF STUDY	1. F/S formulated with a target year of 1997. 2. Technical transfer to the counterparts.				
MAJOR PROPOSED PROJECT(S)	1. Southwest Breakwater; 2. Container Terminal: berths, container yard, cargo handling machinery, other related facilities and buildings; 3. General/Bulk Cargo: berths, storage sheds, handling machinery; 4. Bunker Oil Berth: dolphin-type berth.				
PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT		
DESCRIPTION	<p>The government of Sri Lanka made a request for Japan's ODA loan in Aug. 1999.</p>				

LKA/S 102/91

81	COUNTRY	Sri Lanka	NAME OF STUDY	Agricultural and Rural Development for Up-country Peasantry Rehabilitation Program		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1994	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	Formulation of a Master Plan of rural development, mainly consisted of the development of agricultural industry and farm villages, considering the maintenance of environment.				
	MAJOR PROPOSED PROJECT(S)	Rehabilitation Projects in Central, Uva, and Sabaragamuwa Provinces: Rehabilitation of the irrigation facilities, Rehabilitation of the rural farm road, Rehabilitation of the water supply facilities for the farm villages, Rehabilitation of the various facilities, and Preservation of agricultural field.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION					
	<p>Data and statistics of this study have been utilized in the relevant Ministries. Finance: Own fund (40mil.Rp. In 1994, 45mil.Rp. In 1997). Project components implemented: Rehabilitation of irrigation facilities (2 small tanks in 1994, 1 small tank in 1996); Rehabilitation of water supply facilities (13 systems in 1994, 24 systems in 1996); Electrification (24 systems in 1994).</p> <p>Some of the proposed projects have been already implemented.</p>					

LKA/A 103/94

82	COUNTRY	Sri Lanka	NAME OF STUDY	Kalu Ganga Water Supply Project for Greater Colombo		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1994	SECTOR	Water Supply
	OBJECTIVES OF STUDY	To carry on a Feasibility Study on the water supply system of Kalu Ganga to find out an adequate scale in order to supply enough amount of water for greater Colombo Zone after 2000.				
	MAJOR PROPOSED PROJECT(S)	Establishment of water supply system from the Kalu Ganga as the water resources: Water intake facility (191,100cu.m/day); Water conducting pipe (7,670m); Filtration plant (182,000cu.m/day); Clean water reservoir (30,000cu.m); Water supply pipe (37,130m); Water distribution pipeline (192,200m).				
	PRESENT STATUS	Processing	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION					
	<p>Subsequent study: OECF SAFROF (Kalu Ganga Water Supply Project for Greater Colombo) in 1996. Finance: Japan's ODA Loan (Aug.1997 L/A 11,278mil.yen). Contents: 1) construction works for a new water supply by utilizing Kalu Ganga as a source; 2) procurement of equipment/materials; 3) consulting services; and 4) a pilot scheme for low-income households to construct water supply/sanitation systems.</p>					

LKA/S 306/94

83	COUNTRY	Sri Lanka	NAME OF STUDY	Bridge Development		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1996	SECTOR	Road
	OBJECTIVES OF STUDY	To formulate a M/P on bridge development at nationwide with the target year of 2010 and to make a guideline on maintenance/repair of the bridges.				
	MAJOR PROPOSED PROJECT(S)	Rehabilitation plan for 253 bridges which need rehabilitation in the whole country except the north and east areas.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION	<p>Subsequent study: B/D (Mar.1998). Finance: Japan's Grant Aid (Aug.1998 E/N 468mil.yen, reconstruction of Bridges No.31, 32, and 38 out of five bridges). Construction: Bridge No.31, No.32, and No.38 were constructed.</p>				

LKA/S 109/96

84	COUNTRY	Sri Lanka	NAME OF STUDY	Development of the New Port of Colombo		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1996	SECTOR	Port
	OBJECTIVES OF STUDY	<p>1) To formulate a M/P on development of the new port in the north side of Colombo Port. 2) F/S for selected priority projects.</p>				
	MAJOR PROPOSED PROJECT(S)	<p><M/P> Expansion of the Port of Colombo (main container berths, etc.) (1997 - 2005). <F/S> 1.South Port Development (main container berths, etc.) (1997 - 2005); 2.Redevlopment of Bandaranaike Quay (1997 - 2001); 3.Others (1997 - 2005).</p>				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>Preparing and examining for the realization of the project.</p>				

LKA/S 210/96

85

COUNTRY	Sri Lanka	NAME OF STUDY	Rehabilitation of Irrigation and Drainage Systems in River Basins of Southern Sri Lanka		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1996	SECTOR	Irrigation, Drainage & Reclamation
OBJECTIVES OF STUDY	To undertake a F/S on rehabilitation of irrigation and drainage systems in Hambantota, Kalutara and Matara districts with the benefited area of 20,000ha.				
MAJOR PROPOSED PROJECT(S)	1. Rehabilitation plan for existing irrigation/drainage system; 2. Plan to strengthen operational and maintenance capacity; 3. Plan to strengthen and support farmers' organizations; 4. Program to strengthen participatory management system; and 5. Monitoring and environmental impact assessment program.				
PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT		
DESCRIPTION	<p>Subsequent study: Review study (Own fund). Finance: Kuwait Fund (Feb.1999 L/A 3,700,000KD). Construction: 1999 - 2004.</p>				

LKA/A 302/96

86

COUNTRY	Mongolia	NAME OF STUDY	Improvement Plan for Transshipment Facilities at Zamin-Uud Station		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1992	SECTOR	Railway
OBJECTIVES OF STUDY	Formulation of a F/S on the construction of cargo transshipment facilities in order to convert the dependence of transshipment to China and facilitate commodities transportation in Mogolia.				
MAJOR PROPOSED PROJECT(S)	Site area: Zamin-Uud Station. Contents: Transshipment facilities construction (embankment; development of tracks, platforms, equipment of signal, telecommunication, lighting and powering, access road, site office building, signal equipment room, signal cabin, etc.).				
PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT		
DESCRIPTION	<p>Subsequent study: B/D was conducted (Jan.1993). Finance: Japan's grant aid (Jun.1993 E/N 1,121mil.yen, Aug.1994 E/N 1,007mil.yen). Construction: Phase I completed (Mar.1995). Phase II completed (Oct.1995). Effects: The transport capacity of the country has increased and technical/ technological renewal were carried out.</p>				

MNG/S 301/92

87.	COUNTRY	Mongolia	NAME OF STUDY	Integrated Agricultural and Rural Development in Central Region		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1995	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	Elaboration of M/P on Integrated Agricultural and Animal Husbandry development in 6 provinces and 1 city, Central Mongolia.				
	MAJOR PROPOSED PROJECT(S)	Site area: Central Mongolia (6 provinces and 1 city: 235,000km ²). Contents: 7 projects such as on Seed Multiplication, Irrig. Agri. Tech. Develop., Animal Husbandry Laboratory Tech. Develop., Water Supply System Servicing, Milk Product Improvement, Agricultural and Animal Husbandry Information Transmission System, etc.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>The development study of M/P on agricultural and animal husbandry cooperative society systematization project was conducted according to the content proposed by this Study.</p> <p>Japan's technical cooperation: Project-type technical cooperation is conducted on Animal Husbandry Laboratory Technology Development Project (Jul.1997-Jun.2000). Acceptance of 5 trainees annually. Dispatch of 5 long term experts. Provision of equipment for examination.</p> <p>Finance: Request for Japan's grant aid was submitted for implementing Seed Multiplication Project.</p>				

MNG/A 101/95

88	COUNTRY	Mongolia	NAME OF STUDY	Water Supply System in Ulaanbaatar and Surroundings		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1995	SECTOR	Water Supply
	OBJECTIVES OF STUDY	Elaboration of a M/P on Ulaanbaatar City Water Supply and formulation of a F/S on priority project utilizing the ground water.				
	MAJOR PROPOSED PROJECT(S)	Site area: Ulaanbaatar City Contents: 1. Water intake expansion of existing upper resource (establishment of pumps and pipes). 2. Water intake expansion of existing central resource (rehabilitation of pumps and wells). 3. Exploitation of upper Naraiha as a new resource (installation of wells, pump and pipe).				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	<p>Subsequent study: B/D was conducted (Sep.1995-Jan.1996). Finance: Japan's grant aid (Jun.1996 E/N 171mil.yen, May 1997 E/N 2,083mil.yen). Construction: 1996-1999 (completed). Acceptance of trainees: 1 trainee in Oct. 1997 and 1 trainee Oct. 1998. Dispatch of an expert: 1 Apr. 1998 - 1 Apr.2000, an urban planning and water supply engineer.</p>				

MNG/S 201/95

89	COUNTRY	Mongolia	NAME OF STUDY	Telecommunications Network in Ulaanbaatar City		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1996	SECTOR	Telecommunication
	OBJECTIVES OF STUDY	1) Formulation of a M/P on development of telecommunication network in capital city of Ulaanbaatar. 2) F/S for priority projects.				
	MAJOR PROPOSED PROJECT(S)	Site area: Ulaanbaatar City M/P: Telecommunications demand fulfillment plan in 2010. F/S: 1. Installation of telecommunication equipment at ATC-6. 2. Installation of Radio-subscriber system in Ger area.				
	PRESENT STATUS	Implementing	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION					
	<p>1. Telecommunication facilities development in Ger area Private sector is providing the telephone service based on Wireless Local Loop (WLL) technology in Ger area of Ulaanbaatar, but it is not fulfilling the targets due to limited coverage area of the service, low household income and affordability to the service tariff.</p> <p>2. Telecommunication equipment improvement at ATC-6 No action has been taken for realizing the project due to financing problems.</p>					

MNG/S 204/96

90	COUNTRY	Mongolia	NAME OF STUDY	Topographic Mapping of Ulaan-Tsav Area		
	TYPE OF STUDY	Basic Study	STUDY COMPLETION YEAR	1996	SECTOR	Survey & Mapping
	OBJECTIVES OF STUDY	To make 1/25,000 topographic maps covering an area of 10,800km ² in Ulaan-Tsav, Dronod Prefecture.				
	MAJOR PROPOSED PROJECT(S)	Site area: Ulaan-Tsav Area in Dronod Prefecture				
	PRESENT STATUS	In Progress or In Use.	TECHNICAL TRANSFER	Counterpart training		
	DESCRIPTION					
	The topographic maps, which are the results of this study, will be utilized in the international project for developing infrastructure.					

MNG/S 502/96

91	COUNTRY	Mongolia	NAME OF STUDY	Strengthening of Agricultural Cooperatives		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1997	SECTOR	(Agriculture in) General
	OBJECTIVES OF STUDY	Elaboration of a M/P to propose an action plan for agricultural and livestock cooperatives with main purpose of establishing a distribution system for commodity commercialization to contribute to farmers' economy.				
	MAJOR PROPOSED PROJECT(S)	Site area: Nationwide Contents: 1. Model Agricultural Cooperatives Project 2. Training and Information Center Development in Ulaanbaatar				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER			
	DESCRIPTION	The project is under preparation to make a request for Japan's grant aid.				

MNG/A 110/97

92	COUNTRY	Mongolia	NAME OF STUDY	Rehabilitation Project of the Mongolian Railway		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1997	SECTOR	Railway
	OBJECTIVES OF STUDY	To formulate a M/P and to conduct a F/S on railway and bridge rehabilitation plan.				
	MAJOR PROPOSED PROJECT(S)	Site area: Sukhe-baatar-Bayan (450km) F/S: River bank protection (7 places), Slope stability.(12 places), Bridge rehabilitation.(11 places), Drain improvement (42 places).				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION	Finance: Requests for Japan's grant aid and ODA loan are to be submitted. Dispatch of an expert: 1998 ~ 2 years, maintenance of railroad system. Acceptance of trainees: In 1999, two engineering staffs from Mongolian Railway participated in JICA training in the field of rolling stock maintenance and management and railway telecommunication and signaling maintenance and management.				

MNG/S 207/97

93	COUNTRY	Mongolia	NAME OF STUDY	Forest Resources Management Study in Selenge		
	TYPE OF STUDY	Basic Study	STUDY COMPLETION YEAR	1997	SECTOR	Forestry & Forest Conservation
	OBJECTIVES OF STUDY	Study on land use to formulate a guideline for forest resources management by analyzing LANDSAT data of Selenge (study area 4,280,000 ha). Forest resources survey and elaboration of management plan based on the guideline, at model area of 30,000 ha.				
	MAJOR PROPOSED PROJECT(S)	Site area: Selenge Aimak (4,280,000ha). Contents: Forest management plan (cutting plan, regeneration plan, forest roads, forest conservation, forest protection).				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER			
	DESCRIPTION	<p>The project is under preparation for implementation.</p> <p>Japan's technical cooperation: JOCV was dispatched.</p>				

MNG/A 502/97

94	COUNTRY	Malaysia	NAME OF STUDY	Kelantan River Basin Flood Mitigation		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1989	SECTOR	River & Erosion Control
	OBJECTIVES OF STUDY	To formulate a basin-wide flood mitigation plan for Kelantan river basin. To perform pre-feasibility study for major structures selected in the basin-wide flood mitigation plan.				
	MAJOR PROPOSED PROJECT(S)	Site area: Kelantan River basin(13,100km ²) F/S: 1.Development of Lebir Dam(flood control volume: 86mil.m ³ , rockfill type) 2.Development of Kemubu Dam(flood control volume: 30.7mil.m ³ , concrete gravity type) 3.River improvement(levee: 164km, area: 13.2mil.m ³ , verge levee height: 4m)				
	PRESENT STATUS	Promoting	TECHNICAL TRANSFER	OJT		
	DESCRIPTION	<p>F/S was implemented. As a result, dam construction plan was reduced only to Lebir Dam.</p> <p>1.Lebir Dam Construction Subsequent study: A review study is undergoing by own fund.</p> <p>2.River Improvement Subsequent study: F/S was implemented by own fund.</p>				

MYS/S 208B/89

95

COUNTRY	Malaysia	NAME OF STUDY	Traffic Control and Management System of Malaysian Expressways and Toll Highways		
TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1989	SECTOR	Road
OBJECTIVES OF STUDY	Formulation of short and long term expressway traffic control and management system plans and preparation of an operation manual.				
MAJOR PROPOSED PROJECT(S)	Site area: 926km expressways and highways supervised under Malaysia Highway Authority Contents: 1.Establishment of traffic control and management system(traffic information collection, information analyzing system, information dissemination) 2.Establishment of traffic control organization				
PRESENT STATUS	Implementing	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
DESCRIPTION					
<p>Finance: Private fund</p> <p>1.Traffic Information Collection System Emergency telephones and vehicle sensors were installed in the North-South Highway.</p> <p>2. Information Analyzing System Both the traffic control center and the sub-centers are earmarked for implementation. The construction is likely to commence.</p> <p>The concession company has already installed some basic traffic control systems on the expressway. In October 1999, Malaysian Highway Authority(MHA) and JICA have completed a study on Intelligence Transport Information System(ITS) in Klang Vallet and the MSC. MHA will request Federal Government to finance the project.</p>					

MYS/S 316/89

96

COUNTRY	Malaysia	NAME OF STUDY	Flood Mitigation and Drainage in Penang Island		
TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1990	SECTOR	River & Erosion Control
OBJECTIVES OF STUDY	Formulation of Flood Mitigation for 2 selected rivers and Drainage Plan in Georgetown.				
MAJOR PROPOSED PROJECT(S)	M/P: Phase I (urgent project), Phase II (mid-term project: improvement of 4 grade B rivers & remaining portion of grade A), Phase III (long-term project: improvement of 14 grade C rivers). F/S (Phase I of M/P): River improvement of Penang and Keluang river systems, construction of Dondang Retention Ponds, construction of Air Terjun and Relau diversion channels, etc.				
PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar, Workshop		
DESCRIPTION					
<p>Subsequent study: D/D was completed by own fund (1994). Finance: own fund. Construction: implementing (Jul.1994-2005). Completed: Construction of Air Terjun diversion channels, Gelugor River Improvement, Dua Besar River Improvement, Construction of Dondang Retention Ponds. Japan's technical cooperation: Experts on river have been dispatched continuously.</p>					

MYS/S 210B/90

97	COUNTRY	Malaysia	NAME OF STUDY	Rail-based Commuter Services in Klang Valley		
	TYPE OF STUDY	F/S	STUDY COMPLETION YEAR	1990	SECTOR	Railway
	OBJECTIVES OF STUDY	F/S on a project for introducing a rail-based commuter service to the Klang Valley Region				
	MAJOR PROPOSED PROJECT(S)	Site area: In and around Kuala Lumpur City and in the Klang Valley Region Contents: 1.Improvement of Railway facilities: Rawang-Kuala Lumpur-Seremban(106km) (new construction of 3 halts, new and additional construction of station buildings, etc.) 2. Development of Integrated transport(introduction of 860 feeder buses)				
	PRESENT STATUS	Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION					
	Finance: Japan's ODA loan(Mar.1990 L/A 19,444mil.yen), England, Own fund Construction: Completed					

MYS/S 317/90

98	COUNTRY	Malaysia	NAME OF STUDY	Development of Rajang Port		
	TYPE OF STUDY	M/P+F/S	STUDY COMPLETION YEAR	1991	SECTOR	Port
	OBJECTIVES OF STUDY	Formulation of Short-term and Long-term Development Plans for the Rajang Port which is placed under Rajang Port Authority.				
	MAJOR PROPOSED PROJECT(S)	Site area: Rajang Port area and its surroundings F/S: 1.Development of timber products terminal. 2.Development of coal terminal.				
	PRESENT STATUS	Partially Completed	TECHNICAL TRANSFER	OJT, Counterpart training		
	DESCRIPTION					
	Subsequent study: D/D was implemented (Nov.1993). Finance: Own fund, private fund. Construction: <F/S>Timber Products Terminal: completed.					

MYS/S 211B/91

99	COUNTRY	Malaysia	NAME OF STUDY	Highway Network Development Plan		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1992	SECTOR	Road
	OBJECTIVES OF STUDY	To formulate a development plan of the national highway network intended for the entire Malaysia.				
	MAJOR PROPOSED PROJECT(S)	1. Highway network development plan: Extension of Highway(15,298km) 2. Highway development plan: construction of 72 highways in peninsula Malaysia, 13 in Sabah and 10 in Sarawak. 3. Implementing plan: Phase I(1996-2000), Phase II(2001-05), Phase III(2006-10)				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Workshop		
	DESCRIPTION	<p>Subsequent study: F/S was implemented(1995-1996)</p> <p>The proposed road development projects were incorporated into the mid-term review of the 6th 5-year plan(1994-1995). Other road development projects are included in the 7th 5-year plan(1996-2000).</p>				

MYS/S 106/92

100	COUNTRY	Malaysia	NAME OF STUDY	Maintenance and Rehabilitation of Bridges		
	TYPE OF STUDY	M/P	STUDY COMPLETION YEAR	1992	SECTOR	Road
	OBJECTIVES OF STUDY	To develop a M/P on systematic maintenance and rehabilitation program of bridges and to establish a manual of inspection, maintenance and rehabilitation work.				
	MAJOR PROPOSED PROJECT(S)	Out of 216 bridges where the Study was conducted, 203 bridges were selected and divided into 5 packages to implement the maintenance and rehabilitation of the bridges.				
	PRESENT STATUS	In Progress or In Use	TECHNICAL TRANSFER	OJT, Counterpart training, Seminar		
	DESCRIPTION	<p>Finance: own fund. Construction: implementing.</p> <p>The Study Result was utilized in the Seventh Five-Year National Plan (1996-2000).</p>				

MYS/S 107B/92