

PROJECT SUMMARY (F/S)

ASE THA/S 307/80

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Bangkok metropolitan area														
2.NAME OF STUDY	Bangkok Urban Truck Terminals Construction Project	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>42,033</td> <td></td> <td></td> </tr> <tr> <td>(US\$1= 20 Bahts)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	42,033			(US\$1= 20 Bahts)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	42,033																
(US\$1= 20 Bahts)																	
3.SECTOR	Transportation/Land Transportation	3.CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <tr> <th>Description</th> <th>Scale</th> </tr> <tr> <td>Truck terminal</td> <td>Cargo handling: 12,000 t/day</td> </tr> <tr> <td>Parking</td> <td></td> </tr> <tr> <td>Public parking</td> <td></td> </tr> <tr> <td>Maintenance facilities</td> <td></td> </tr> <tr> <td>Warehouse district</td> <td></td> </tr> </table>			Description	Scale	Truck terminal	Cargo handling: 12,000 t/day	Parking		Public parking		Maintenance facilities		Warehouse district	
Description	Scale																
Truck terminal	Cargo handling: 12,000 t/day																
Parking																	
Public parking																	
Maintenance facilities																	
Warehouse district																	
4.REFERENCE NO.		<p>(Description)</p> <p>Detailed design was partially undertaken by local consultants. In June, 1987 Ministry of Transport and Communication has approved the commencement of the construction.</p> <p>Private investment have been promoted for the construction of truck terminals. So far, contracts have been signed on two of the four sites.</p> <p>Due to rapid urbanization, some sites proposed for terminals have been already used for other purposes.</p> <p>JICA is conducting a restudy of Bangkok urban truck terminals since Dec. 1991, in which suggestions will be made to expedite the project implementation.</p> <p>(FY 1991 Overseas Survey)</p> <p>Project scale was reduced from four terminals to three.</p>															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	Department of Land Transport																
7.OBJECTIVES OF STUDY	Traffic plan																
8.DATE OF S/W	Jan.1979	Imp. Period:															
9.CONSULTANT(S)	Pacific Consultants International Nittsu Research Center Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility:	EIRR1	10.00	FIRR1											
			No	EIRR2		FIRR2											
				EIRR3		FIRR3											
10.STUDY TEAM	<p>No. of Members 9</p> <p>Period Aug.1979-Mar.1980 (8 months)</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>32.60</td> <td>22.90</td> <td>9.70</td> </tr> </table>	Total M/M	Japan	Field	32.60	22.90	9.70	<p>Conditions and Development Impacts:</p> <p>Condition: Target year 2000</p> <p>Project road includes intra urban tollway, circumferential road, outer ring road</p> <p>Development Impacts:</p> <ul style="list-style-type: none"> -Increase of profit to the owner by regular operation -Decrease in accidents by supplying welfare facilities to drivers -Increase in operation time by improving inspection and maintenance 									
Total M/M	Japan	Field															
32.60	22.90	9.70															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<p>5. TECHNICAL TRANSFER</p> <p>Technical advice on demand forecasting, traffic survey, and economic analysis.</p>															
12.EXPENDITURE	<table border="1"> <tr> <th></th> <th>Total</th> <th>83,169 (¥'000)</th> </tr> <tr> <td>Contracted</td> <td>79,340</td> <td></td> </tr> </table>						Total	83,169 (¥'000)	Contracted	79,340							
	Total	83,169 (¥'000)															
Contracted	79,340																
		<p>2.MAJOR REASONS FOR PRESENT STATUS</p>															
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>															

和名 首都圏トラックターミナル建設計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 303/80

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Lampang City, Lampang Province, northern part of Thailand area 22,700 ha														
2.NAME OF STUDY	Mae Wang-Kew Lom Irrigated Agriculture Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>34,880</td> <td>19,506</td> <td>15,374</td> </tr> <tr> <td>US\$1=20B in 1979</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	34,880	19,506	15,374	US\$1=20B in 1979			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	34,880	19,506	15,374														
US\$1=20B in 1979																	
3.SECTOR	Agriculture/General	3.CONTENT(S) OF MAJOR PROJECT(S)	Irrigation area : 22,700ha Main irrigation canal : 100.12 km Tributary irrigation canal : 79.65 km Main drainage canal : 240.77 km Field improvement : 15,400 ha * Above costs are in 1979 prices.														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>27.10</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>25.30</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	27.10	FIRR1)	Yes	EIRR2)	25.30	FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	27.10	FIRR1)														
Yes	EIRR2)	25.30	FIRR2)														
	EIRR3)		FIRR3)														
5.TYPE OF STUDY	F/S	Conditions and Development Impacts: Conditions: Considering the production of paddy crop is relatively high, promotion of production during dry season is planned by utilizing the water of Kiv Lom Dam. To do this field improvement should be implemented. Development Impacts: Large increase of benefit by double cropping through effective use of existing water resource is expected.															
6.COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives	10.STUDY TEAM No.of Members 10 Period Jul.1979-Mar.1980(9 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>47.04</td> <td>21.97</td> <td>25.07</td> </tr> </tbody> </table>				Total M/M	Japan	Field	47.04	21.97	25.07						
Total M/M	Japan	Field															
47.04	21.97	25.07															
7.OBJECTIVES OF STUDY		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY															
8.DATE OF S/W	Feb.1979	Imp. Period: Oct.1980-Sep.1987															
9.CONSULTANT(S)	Sanyu Consultants Inc.	5.technical transfer Training of and technical transfer to staffs of RID in Thailand and Japan.															
12.EXPENDITURE		<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>115,644 (¥'000)</td> <td>107,095</td> </tr> </tbody> </table>			Total	Contracted		115,644 (¥'000)	107,095	1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled							
	Total	Contracted															
	115,644 (¥'000)	107,095															
		(Description) At the time of the JICA study, the Thai Government enacted the Law of Agricultural Infrastructure Improvement, and was vigorously promoting the improvement of agricultural infrastructure to expand the area of double cropping. However, the proposed project was not implemented, partly because it presupposed farmers' sharing of the development cost, which turned out to be much higher than expected, and partly because the external debts of the Thai Government increased. (FY 1991 Overseas Survey) No additional information.															
		2.MAJOR REASONS FOR PRESENT STATUS There are no plans to revive the project because of the reasons noted above.															
		3.PRINCIPAL SOURCE OF INFORMATION ①②															

和名 メワンかんがい農業開発計画

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

PROJECT SUMMARY (D/D)

ASE THA/S 402/80

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA	Bangkok Metropolitan Area	1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="radio"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="radio"/> Processing
2.NAME OF STUDY	Bangkok Telephone Network Project: Local Cable Network	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 2) 3)	(Description)	
3.SECTOR	Communications & Broadcasting/Telecommunication	3.CONTENTES OF MAJOR PROJECT(S)	1) Detailed design of local cable network for five exchanges (Pronchit, Chinwatana, Packrett, Ramintra, and Onutt-I) 2) Additional detailed designs for three exchanges (Kurontoi, Labrana and Ekachai)	The project was implemented with the OECF loan.	
4.REFERENCE NO.				1978 Jul. OECF L/A completed for extending telecommunication network	
5.TYPE OF STUDY	D/D				
6.COUNTERPART AGENCY	Telephone Organization of Thailand				
7.OBJECTIVES OF STUDY	Detailed designs for 8 telephone exchanges				
8.DATE OF S/W	Jul.1978	Imp. Period:			
9.CONULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No EIRR1) FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)		
		Conditions and Development Impacts:			
		Detailed designs are based on the program in the 4th National Economic Development Plan. Five exchanges correspond to Package I of Phase 2 and three additional exchanges to Package II of Phase 1.			
10.STUDY TEAM	No.of Members 12 Period Aug.1978-Jun.1979(22 months) Oct.1979-Aug.1980 Total M/M Japan Field 107.79 49.63 59.16			2.MAJOR REASONS FOR PRESENT STATUS	
				Urgency of the problem	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					
		5.TECHNICAL TRANSFER	OJT for counterparts	3.PRINCIPAL SOURCE OF INFORMATION	
12.EXPENDITURE	Total 278,789 (¥'000) Contracted 277,097			①④	

和名 バンコック市内線路網実施設計

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

PROJECT SUMMARY (F/S)

ASE THA/A 304/81

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT										
1.COUNTRY	Thailand	1.SITE OR AREA	Right bank of PaSak River, SaraBuri Province											
2.NAME OF STUDY	Kaeng Khoi-Ban Mo Pumping Irrigation Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>40,700</td> <td>24,500</td> <td>16,200</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	40,700	24,500	16,200	
	Total Cost	Local Cost	Foreign Cost											
(US\$1,000)	40,700	24,500	16,200											
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	Pumping field : Diameter 1,000mm X 560kw X 7 stations (Q = 17.6 cu.m/s) Irrigation canal: 147.58 km Drainage canal A: 21.80km Pilot field : 260 ha											
4.REFERENCE NO.		(Description) The detailed design was undertaken by Sanyu Consultants Inc. and Chuo Kaihatsu Corporation during the period from July 1984 to June 1985, with the E/S loan from OECF. However, the project implementation was delayed, because the adjustment of water rights (with beneficiaries of the waterway between Chainat and PaSak) was not settled. July 1982 OECF loan agreement signed (E/S, 190 million yen) (FY 1991 Overseas Survey) No additional information.												
5.TYPE OF STUDY	F/S													
6.COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives													
7.OBJECTIVES OF STUDY	Feasibility study on irrigated agricultural development project													
8.DATE OF S/W	.0	Imp. Period:	.1983-.1988											
9.CONSULTANT(S)	Sanyu Consultants Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	<table border="1"> <tbody> <tr> <td>EIRR1)</td> <td>16.90</td> <td>FIRR1)</td> </tr> <tr> <td>EIRR2)</td> <td>14.30</td> <td>FIRR2)</td> </tr> <tr> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>		EIRR1)	16.90	FIRR1)	EIRR2)	14.30	FIRR2)	EIRR3)		FIRR3)
EIRR1)	16.90	FIRR1)												
EIRR2)	14.30	FIRR2)												
EIRR3)		FIRR3)												
10.STUDY TEAM	No. of Members 10 Period Jun.1981-Jan.1982(8 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>37.55</td> <td>17.80</td> <td>19.75</td> </tr> </tbody> </table>	Total M/M	Japan	Field	37.55	17.80	19.75	Conditions and Development Impacts: -Planting of 100% in rainy season and 20% in dry season will be done by completion of irrigation facilities to increase agricultural profit. -Training related to improvement of terminal facilities, water management and culture technique will be done in demonstration farm. *EIRR calculated (14.3%) includes on-farm.						
Total M/M	Japan	Field												
37.55	17.80	19.75												
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	Transfer to staffs of RID in Thailand and Japan was done.											
12.EXPENDITURE	<table border="1"> <tbody> <tr> <td>Total</td> <td>96,370 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>90,677</td> </tr> </tbody> </table>	Total	96,370 (¥'000)	Contracted	90,677	2.MAJOR REASONS FOR PRESENT STATUS Although RID and farmers in the project area want to implement the project, the problem on water rights delayed the implementation.								
Total	96,370 (¥'000)													
Contracted	90,677													
		3.PRINCIPAL SOURCE OF INFORMATION ①②④												

和名 ケンコイ・バンモーポンプかんがい計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 202A/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS													
1.COUNTRY	Thailand	1.SITE OR AREA	Bangkok City and Thonburi area located at the other side of Chao Phaya river.		1.PRESENT STATUS												
2.NAME OF STUDY	Bangkok Sewerage System Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>116,160</td> <td>69,100</td> <td>47,060</td> </tr> <tr> <td>2)</td> <td>(US\$1=27.3B)</td> <td></td> <td></td> </tr> </tbody> </table>		(US\$1,000)	Total Cost	Local Cost	Foreign Cost	1)	116,160	69,100	47,060	2)	(US\$1=27.3B)			<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
(US\$1,000)	Total Cost	Local Cost	Foreign Cost														
1)	116,160	69,100	47,060														
2)	(US\$1=27.3B)																
3.SECTOR	Public Utilities/Sewerage	3.CONTENTES OF MAJOR PROJECT(S)	(Description) A feasibility study was subsequently implemented and Japanese experts went to Thailand for technical assistance. (FY 1991 Overseas Survey) No additional information.														
4.REFERENCE NO.		Bangkok City has some problems such as flooding in rainy season and water pollution of river in dry season. Several studies on those problems have been carried out. This study was to review the previous study reports and to make new master plan in order to obtain the practical plan. Scope of the study is limited for sewerage system planning.															
5.TYPE OF STUDY	M/P+(F/S)																
6.COUNTERPART AGENCY	Department of Drainage and Sewerage, BMA																
7.OBJECTIVES OF STUDY	Planning on the countermeasure of pollution and flood																
8.DATE OF S/W	Mar.1979	4.CONDITIONS AND DEVELOPMENT IMPACTS	Study area is 37,000 ha, same as previous CDM plan, which was divided into 10 sewerage districts. Separate systems have been fundamentally adopted for the system. In central area of the city, however, a combined system has been temporarily adopted. Treatment plant is located at the vacant lot of the Tobacco Public Corporation. Treatment method is modified aeration system.														
9.CONSULTANT(S)	Nihon Suido Consultants Co., Ltd.		2.MAJOR REASONS FOR PRESENT STATUS														
10.STUDY TEAM	No.of Members 10 Period Aug.1979-Feb.1980 (27 months) Jul.1980-Jul.1982 <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>186.30</td> <td>114.30</td> <td>72.00</td> </tr> </tbody> </table>		Total M/M	Japan	Field	186.30	114.30	72.00	1. Priority is high as part of the Metropolitan Development Plan. 2. The sewerage problem is deeply related to flooding and river pollution.								
Total M/M	Japan		Field														
186.30	114.30	72.00															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey	3.PRINCIPAL SOURCE OF INFORMATION															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>397,120 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>377,556</td> </tr> </tbody> </table>		397,120 (¥'000)	Total		Contracted	377,556	5. TECHNICAL TRANSFER	(1) Individual short time training program executed for two persons. (2) Preparation of reports with trainees during the training period. (3) Employment of local consultants for land surveying.								
	397,120 (¥'000)																
Total																	
Contracted	377,556																

和名 バンコック市下水道整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 202B/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA	Bangkok City		1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Bangkok Sewerage System Project	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 32,300 23,200 (US\$1=27.3B) 2) 3)		
3.SECTOR	Public Utilities/Sewerage	3.CONTENTS OF MAJOR PROJECT(S)	Project area : 970 ha Intercepting sewer : d 3,000-2,400mm for L-7,100m Combined sewer : d 8,500-2,000mm for L-1,300m Intermediate Pumping Station: 3 stations, Q=13-24cu.m/min Plant : Q=135,000 cu.m/day Inf.BOD= 160 mg/l Eff.BOD= 60 mg/l (Modified aeration process: grit chamber, aeration tank, final sedimentation basin, basin, chlorination chamber, digester, etc.)		
4.REFERENCE NO.		5.TYPE OF STUDY	(M/P) + F/S		(Description) After the completion of the study, the implementation was delayed, owing to the policy which gave higher priority to drainage and inundation control projects in Bangkok. Bangkok Metropolitan Administration (BMA) undertook D/D on two sewage treatment plants (the capacity: 30,000 cu.m/day and 25,000 cu.m/day). In late 1990, BMA was preparing a request to Japanese assistance on another treatment plant with a capacity of 60,000 cu.m/day. In 1991, it is reported that the Thai Government will implement the project. (FY 1991 Overseas Survey) The Department of Drainage and Sewerage has modified the study, by rearranging the Bangkok Sewerage Area into 6 areas. Detailed design is under implementation for each area and the implementation will begin before long.
6.COUNTERPART AGENCY	Department of Drainage and Sewerage, BMA	7.OBJECTIVES OF STUDY	F/S on first phase program, as recommended in M/S		
8.DATE OF S/W	Mar.1979	9.CONCONSULTANT(S)	Imp. Period: 1984-1988 Feasibility: Yes EIRR1) FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)		
10.STUDY TEAM	No.of Members 10 Period Aug.1979-Feb.1980 (29 months) Jul.1980-Jul.1982 Total M/M Japan Field 186.30 114.30 72.00	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Conditions and Development Impacts: In 1982, the celebration of the 200th anniversary of Bangkok as Capital of Thailand, sewerage project was focussed to cope with the water quality problem of canal in the city. Sewerage project and Water Disposal Plan were made as a pair. F/S was conducted for the area selected by the investment efficiency as recommended in M/P. Development impacts are expected with pollution prevention of canal and decrease of inundation problem, which area, however, can not be scaled quantitatively.		
12.EXPENDITURE	Total 397,120 (¥'000) Contracted 377,556	5.technical transfer	(1) Carried out training program for two persons (2) Employment of the local consultant for land survey (3) Equipment granted and instructed for water quality tests		
		2.MAJOR REASONS FOR PRESENT STATUS		3.PRINCIPAL SOURCE OF INFORMATION	
				①②	

和名 バンコック市下水道整備計画

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

PROJECT SUMMARY (M/P+F/S)

Compiled Mar. 1986
Revised Mar. 1992

ASE THA/S 203A/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Thailand	1.SITE OR AREA	City of Bangkok	1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2.NAME OF STUDY	Bangkok Solid Waste Management	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 17,248 8,667 2)	(Description) A feasibility study was subsequently undertaken on the short-term plan.	
3.SECTOR	Public Utilities/Urban Sanitation	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>The master plan to improve waste disposal system by the year of 2000 and 67 immediate action programmes.</p> <p>(1) The master plan includes construction and introduction of: 5 composting plants, 2 incineration plants, 3 final disposal sites, 1,190 collection vehicles, 88 road sweepers, 5 river cleaning boats, 110 barges, 25 dump trucks, 18 bulldozers</p> <p>(2) The immediate action programmes in which 3 levels of priority is shown include improvements in : 1) discharge and collection system 2) transport and transferring system 3) composting plants 4) final disposal system 5) administrative system 6) countermeasures to floods</p> <p>The total cost above pertains to the short-term improvement plan.</p>		
4.REFERENCE NO.		(FY 1991 Overseas Survey) This master plan was revised in the phase II study which was under taken from 1989 to 1991.			
5.TYPE OF STUDY	M/P+(F/S)				
6.COUNTERPART AGENCY	Public Cleansing Department Bangkok Metropolitan Administration				
7.OBJECTIVES OF STUDY					
8.DATE OF S/W	Mar.1979				
9.CONSULTANT(S)	Tokyo Metropolis Environmental Service Corporation	4.CONDITIONS AND DEVELOPMENT IMPACTS	Development Impacts: Public health and living environment for citizens are remarkably improved by modernization of waste disposal systems.		
10.STUDY TEAM	No.of Members 55 Period Aug.1979-Feb.1980(36 months) May.1980-Sep.1982 Total M/M Japan Field 278.08 124.54 153.54				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12.EXPENDITURE	Total 491,070 ('000) Contracted 447,098	5.TECHNICAL TRANSFER	(1) logical way of thinking of public cleansing works (2) reception of trainees (3) effective application of local consultants		
		2.MAJOR REASONS FOR PRESENT STATUS			
		(FY 1991 Overseas Survey) 1.The solid waste volume has increased for beyond estimate made by the study. 2.Construction cost of incineration plants exceeded BMA's capacity and loan introduction was not BMA's policy. 3.Land acquisition was not successful due to high-pitched hike in land prices.			
		3.PRINCIPAL SOURCE OF INFORMATION			
		①②			

和名 バンコク市都市廃棄物整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 203B/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	City of Bangkok														
2.NAME OF STUDY	Bangkok Solid Waste Management	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>578,712</td> <td>352,590</td> <td></td> </tr> <tr> <td>(US\$1=26.25B)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	578,712	352,590		(US\$1=26.25B)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	578,712	352,590															
(US\$1=26.25B)																	
3.SECTOR	Public Utilities/Urban Sanitation	3.CONTENTS OF MAJOR PROJECT(S)	Construction of final disposal site 3 1,500t/d Construction of refuse incineration plant 2 1,500t/d X2 Construction of rapid type composting plant 2 800t/d														
4.REFERENCE NO.		(Description) A Japanese expert was sent to BMA in 1983 - 1989, and the short-term measures proposed by the study were implemented during the period. The Phase II study was undertaken during FY1989 - FY1992 by the JICA team. Another Japanese expert was posted to BMA. (FY 1991 Overseas Survey) Most of the short-term improvement plan recommended in the original master plan was already been brought into practice, such as introduction of compact trucks, collection by boats, uniform supply for collection workers, etc. This study was revised in the phase II study completed in 1991.															
5.TYPE OF STUDY	(M/P) + F/S																
6.COUNTERPART AGENCY	Public Cleansing Dept., BMA																
7.OBJECTIVES OF STUDY																	
8.DATE OF S/W	Mar.1979	Imp. Period:	1985-2000														
9.CONSULTANT(S)	Tokyo Metropolis Environmental Service Corporation	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)												
10.STUDY TEAM	No.of Members 55 Period Aug.1979-Feb.1980(36 months) May.1980-Sep.1982 <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>278.08</td> <td>124.54</td> <td>153.54</td> </tr> </table>	Total M/M	Japan	Field	278.08	124.54	153.54	Conditions and Development Impacts: To properly dispose of whole waste targetting the completion in the year 2000 and considering local economic situations. As the development impacts, public health and living environment for citizens are remarkably improved by modernization of waste disposal systems.									
Total M/M	Japan	Field															
278.08	124.54	153.54															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER															
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>491,070 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>447,098</td> </tr> </table>					Total	491,070 (¥'000)	Contracted	447,098								
Total	491,070 (¥'000)																
Contracted	447,098																
		2.MAJOR REASONS FOR PRESENT STATUS															
		(1) Waste disposal systems shall be updated according to economical development as waste are continuously generated. (2) High priority: One of 5 major projects in Bangkok metropolis 5 year plan. (3) Implementation: recommendations will be wisely implemented by National Ministry of Thailand and Bangkok Metropolitan Administration.															
		3.PRINCIPAL SOURCE OF INFORMATION															
		①②															

和名 バンコク市都市廃棄物整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 201A/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Thailand	1.SITE OR AREA	17 changwats of the Norther Regions (170,000 sq.km)		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued					
2.NAME OF STUDY	Road Development in the Northern Region	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 36,500 (US\$1=23Bahts) 2)		(Description) The feasibility study was conducted on 14 routes selected from 16 short-term priority links. (FY 1991 Overseas Survey) No additional information.						
3.SECTOR	Transportation/Road	3.CONTENTS OF MAJOR PROJECT(S)									
4.REFERENCE NO.		The study for the road development in the Northern Region of Thailand has been carried out dividing it into two phases: Phase 1 (Planning) and Phase 2 (Feasibility Study). Subsequent to the Phase 1 which was completed in June 1981, the Phase 2 has commenced to conduct feasibility studies of the selected routes recommended in the Phase 1. The Phase 1 Study recommended 16 routes of 409.3 km in total for further feasibility studies. Prior to the start of the Phase 2, however, a partial replacement of the routes was made to delete Study Route No.9,16,21 and 22 from the original list and add Route No.6 and 19. The study selected priority road sections by taking into account development potentials by area. 44 links (total length 1,200km) were selected for improvement or for new construction. A pre-feasibility study was undertaken on 31 links (860km) which were considered for short- and medium term implementation and narrowed down to 16 links (410km) for the subsequent feasibility study.									
5.TYPE OF STUDY	M/P+ (F/S)										
6.COUNTERPART AGENCY	Dept. of Highways (DOH), Ministry of Communications	4.CONDITIONS AND DEVELOPMENT IMPACTS		2.MAJOR REASONS FOR PRESENT STATUS							
7.OBJECTIVES OF STUDY	Formulation of a master plan for highway development and feasibility analysis of priority road sections (new construction and improvement)										
8.DATE OF S/W	Dec.1979	Development impacts: 1) The project will stimulate the regional stagnation caused by the shortage of land and low income by providing better transport infrastructure. 2) The project will contribute to the productivity improvement and diversification of agricultural production. 3) The road density of the Northern Region is lower than elsewhere, and the project will promote better communication.		3.PRINCIPAL SOURCE OF INFORMATION							
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Katahira & Engineers International										
10.STUDY TEAM	No.of Members 12 Period Jun.1980-Mar.1982 (22 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>140.33</td> <td>16.03</td> <td>124.30</td> </tr> </tbody> </table>	Total M/M	Japan	Field	140.33	16.03	124.30	5.technical transfer		①②	
Total M/M	Japan	Field									
140.33	16.03	124.30									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Traffic survey, road inventory survey										
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>385,805 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>381,842</td> </tr> </tbody> </table>			Total	385,805 (¥'000)	Contracted	381,842	1) OJT for the counterparts on the method of selecting priority road sections 2) Participation of 1 counterparts in the JICA training program 3) Report writing			
Total	385,805 (¥'000)										
Contracted	381,842										

和名 北部地方道路網整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 201B/82

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	17 changwats of the Norther Regions (170,000 sq.km)														
2.NAME OF STUDY	Road Development in the Northern Region	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>58,913</td> <td>44,822</td> <td>14,091</td> </tr> <tr> <td>(US\$1=23Bahts)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	58,913	44,822	14,091	(US\$1=23Bahts)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	58,913	44,822	14,091														
(US\$1=23Bahts)																	
3.SECTOR	Transportation/Road	3.CONTENTES OF MAJOR PROJECT(S)	<p>The feasibility study was undertaken on 14 links(417.2km) requested by DOH. The analysis indicated the following 12 links (393.8km) as feasible.</p> <p>11 links(F4 standard) Total 378.1km:</p> <p>1)Khanu Woralaksa Buri ~ Kao Liao ~ Rt. 117 46.0km; 2)B.Wang Chik ~ Rt.117(B. Pa Daeng) 13.0km; 3)B. Wang Tham ~ B. Tha Makham 8.3km; 4)B. Kiu Phrao ~ B. Kaen Tai 55.0km; 5)Rt. 115(B. Thung Maha Chai) ~ B. Nong Takhian 53.5km; 6)B. Thung Ngiu ~ B. Chomphu 47.8km; 7)A. Wang Chin ~ Thoen 54.0km; 8)B. Nong Khanak ~ B. Wang Pong 21.0km; 9)B. Rong Sua Ten ~ B. Huai Khom 13.2km; 10)A Phrom Phiram ~ Rt. 11(B.Nong Makhang) 14.4km; 11)Rt. 12(Muang Kao, Sukhothai) ~ Si Satchanarai 51.9km</p> <p>1 link (F5 standard):A. Wat Bot ~ B. Nakham 15.7km.</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes	EIRR2)	FIRR2)		EIRR3)	FIRR3)			
Feasibility:	EIRR1)	FIRR1)															
Yes	EIRR2)	FIRR2)															
	EIRR3)	FIRR3)															
5.TYPE OF STUDY	(M/P)+F/S	<p>Conditions and Development Impacts:</p> <p>1) The Northern Region has limited availability of arable land because of difficult topography and has been underdeveloped. The proposed project will provide transport infrastructure and stimulate productive activities; 2) In order to establish a framework of balanced regional growth through better inter-regional communication, the study formulated a optimum plan to strengthen the road network, and proposed priority short- and medium-term routes.</p> <p>Development impacts: 1) The project will stimulate the regional stagnation caused by the shortage of productive land and low income by providing better transport infrastructure; 2) The project will contribute to the productivity improvement and diversification of agricultural production.; 3) The road density of the Northern Region is lower than elsewhere, and the project will promote better communication. Five sections with higher EIRRs are a)28.5,b)22.5,c)20.6,d)20.3,e)20.2(%)</p>															
6.COUNTERPART AGENCY		<p>1 link (F5 standard):A. Wat Bot ~ B. Nakham 15.7km.</p>															
7.OBJECTIVES OF STUDY		<p>1 link (F5 standard):A. Wat Bot ~ B. Nakham 15.7km.</p>															
8.DATE OF S/W	Dec.1979	Imp. Period:															
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Katahira & Engineers International	<p>1) Large impact: substantial contribution to the alleviation of regional disparities which was one of the major objectives of the 4th and 5th development plans.</p> <p>2) Linkage with other projects: the proposed priority links were consistent with other priority road development projects.</p> <p>3) Consistency with government policy: the Government of Thailand has been emphasizing public investments in the operation and maintenance of the existing roads, and the projects proposed by the study were consistent with this policy.</p> <p>4) High priority : the Government has been emphasizing improvement</p>															
10.STUDY TEAM	<p>No.of Members 12</p> <p>Period Jun.1980-Mar.1982(0 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>140.33</td> <td>16.03</td> <td>124.30</td> </tr> </tbody> </table>	Total M/M	Japan	Field	140.33	16.03	124.30	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>									
Total M/M	Japan	Field															
140.33	16.03	124.30															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Agricultural data collection	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②③④</p>															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>385,805 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>381,842</td> </tr> </tbody> </table>		385,805 (¥000)	Total		Contracted	381,842										
	385,805 (¥000)																
Total																	
Contracted	381,842																

和名 北部地方道路網整備計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/A 201A/82

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Thailand	1.SITE OR AREA	2 places in each part of north, central, northeast, south, totaling 8 places.		1.PRESENT STATUS
2.NAME OF STUDY	Agricultural Cooperative Promotion	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div>1)</div> <div>2)</div> </div> <div>Total Cost Local Cost Foreign Cost</div>		<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	(Description) A Feasibility study was subsequently undertaken. 1. Thai Government requested Japanese Government for cooperation on the establishment of model agricultural cooperatives based on the final master plan report of Feb.1981 2. An S/W mission was sent to Thailand on an F/S in July 1981. After the S/W was concluded and the study was conducted from July to Sept. 3. The final report of F/S was submitted in Mar.1982, and Japanese experts were assigned for one year and a half from Dec. 1982. The project-type technical cooperation (5 years) began in July 1984. (FY 1991 Overseas Survey) No additional information.		
4.REFERENCE NO.		We pointed realities and problems of organization, operations and management of agricultural cooperative of Thailand, and proposed basic idea for their improvement, based on case studies in each area. 1.Basic idea to strengthen the function of agricultural cooperative four strategic targets, strengthening of member's organization base, promotion of regional agriculture by conducting guidance of agriculture management, expansion of sales and purchase abiding by fair rule, realization of comprehensive agricultural financial system, are shown, and "total system" to facilitate all of them in a comprehensive way was proposed. 2.Establishment of Agricultural Cooperative			
5.TYPE OF STUDY	M/P+ (F/S)				
6.COUNTERPART AGENCY	Cooperative Promotion Department MOAC	4.CONDITIONS AND DEVELOPMENT IMPACTS	1.We proposed that establishment of model Agricultural Cooperative should be chosen taking into consideration the difference of regional character and basic condition of each area. 2.Development effect of promoting agricultural cooperative is expected by planning of agricultural cooperative promotion, guidance to implement the plan, and dissemination of the fruits of model agricultural cooperative to neighboring cooperatives.		
7.OBJECTIVES OF STUDY	To raise the agricultural production of cooperative member farms and to improve their socio-economic well-being.	5.technical transfer	1.Transfer of development study method during the period of M/P in July and Aug.1980.; and 2.Discussion and cooperative operation in writing a report, and observation of Japanese case through acceptance of two trainees.		
8.DATE OF S/W	Apr.1980	10.STUDY TEAM	2.MAJOR REASONS FOR PRESENT STATUS Thai Government requested the feasibility study to clarify the means for agricultural cooperative promotion.		
9.CONSULTANT(S)	The Institute for the Development of Agricultural	No.of Members 6 Period May.1980-Feb.1982 (23 months) <div> <div>Total M/M</div> <div>Japan</div> <div>Field</div> </div> <div> <div>37.21</div> <div>27.36</div> <div>9.85</div> </div>	3.PRINCIPAL SOURCE OF INFORMATION ①②		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		12.EXPENDITURE			
		Total 127,935 (¥000) Contracted 107,192			

和名 農業協同組合組織育成計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/A 201B/82

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Thailand	1.SITE OR AREA	In the districts of north, central, northeast, south, where four proposed cooperatives as model agricultural cooperative are located																		
2.NAME OF STUDY	Agricultural Cooperative Promotion	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>45,508</td> <td>6,478</td> <td>39,030</td> </tr> <tr> <td>2) (US\$1=23Bahts)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	45,508	6,478	39,030	2) (US\$1=23Bahts)				3)			
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	45,508	6,478	39,030																		
2) (US\$1=23Bahts)																					
3)																					
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	1.Projects to nurture agricultural cooperative 2.Establishment of consultant units and traveling guidance 3.Strengthening of training by agricultural cooperative training centers 4.Improvement of facilities of agricultural cooperative 5.Comprehensive financial measures																		
4.REFERENCE NO.																					
5.TYPE OF STUDY	(M/P)+F/S																				
6.COUNTERPART AGENCY	Cooperatives Promotion Department MOAC																				
7.OBJECTIVES OF STUDY	To raise the agricultural production of cooperative member farms and to improve their socio-economic well-being.																				
8.DATE OF S/W	Jul.1981	Imp. Period:																			
9.CONSULTANT(S)	The Institute for the Development of Agricultural	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes	EIRR2)	FIRR2)		EIRR3)	FIRR3)							
Feasibility:	EIRR1)	FIRR1)																			
Yes	EIRR2)	FIRR2)																			
	EIRR3)	FIRR3)																			
		Conditions and Development Impacts:	Conditions: 1.Establishment of promoting system in CPD. 2.Guidance of agricultural management and strengthening of sales activities. 3.Financial back up by the government 4.Cooperation with ACFT and CLT Development Impacts: 1.Improvement of management by agricultural cooperatives 2.Increase of employment opportunities, increase of income, decreasing the difference of income.																		
10.STUDY TEAM	No.of Members 6 Period May.1980-Feb.1982 (23 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>37.21</td> <td>27.36</td> <td>9.85</td> </tr> </tbody> </table>	Total M/M	Japan	Field	37.21	27.36	9.85														
Total M/M	Japan	Field																			
37.21	27.36	9.85																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	- Transfer of research method during the period of F/S. - Discussion and cooperative operation in writing a report accepting two trainees.																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>127,935 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>107,192</td> </tr> </tbody> </table>		127,935 (¥'000)	Total		Contracted	107,192		1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing (Description) The proposals of the study was implemented with the Japanese technical cooperation and grant aid. 1. Thai Government requested Japanese Government for a project-type technical cooperation and grant aid in June 1983. 2. R/D for technical cooperation was concluded in July 1984, and the five-year project began. The project was completed in July 1989, but extended for two years for the follow-up cooperation 3. In 1985, the Agricultural Cooperative Training Center of Northeast Thailand was established by the Japanese grant (598 million yen) (FY 1991 Overseas Survey) The project was implemented only in the northeast region.												
	127,935 (¥'000)																				
Total																					
Contracted	107,192																				
			2.MAJOR REASONS FOR PRESENT STATUS																		
			3.PRINCIPAL SOURCE OF INFORMATION																		

和名 農業協同組合組織育成計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 308/82

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT					
1.COUNTRY	Thailand	1.SITE OR AREA		Northern area of Bangkok		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled				
2.NAME OF STUDY	Rama VI Bridge Construction Project	2.PROJECT COST		Total Cost Local Cost Foreign Cost							
3.SECTOR	Transportation/Road	3.CONTENT OF MAJOR PROJECT(S)		1) New Highway Bridge Main Bridge: total length 290m, width 29.1m (6 Lanes+pedestrian). 85m+120m+85m-290m long (3 spans) (Freyssinet cantilever erection method) Approach Bridge: width 23.3m (6 Lanes), total length 650m 2) New Railway Bridge width 12.5m total length 71.9m (dual track) (3 span continuous prestressed concrete girder) 3) New Roads width 9.4m ~ 5.7m, total length 3,900m 4) Other structures Riverfront, side ditch, drainage network, pump station, utilities, electricity, water and telecom (Total 5,700m), parking spaces, park, landscaping, pedestrian bridges, signal, etc.		(Description) Sep. 1983 OECF (10th) E/S loan agreement (170 million yen) Aug. 1986 D/D on New Rama IV Bridge completed Sep. 1987 OECF (13th) loan agreement on the new bridge (5,599 million yen) Dec. 1988 PQ for construction completed Jun. 1989 Tender for construction closed Nov. 1989 Construction contract completed Jan. 1990 Notice to proceed received by the contractor Sep. 1992 Construction to be completed Up to now 70 percent of the work completed. Construction and construction supervision are in progress satisfactorily and smoothly. (FY 1992 Overseas Survey) The project is included in the 5th and 6th National Social and Economic Development Plan.					
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes EIRR1 20.30 FIRR1 EIRR2 FIRR2 EIRR3 FIRR3							
5.TYPE OF STUDY	F/S	5.technical transfer		1) OJT 2) Participation of counterparts in the JICA program. 3) Employment of local consultants							
6.COUNTERPART AGENCY	Public Works Dept. (PWD), Ministry of Interior	7.OBJECTIVES OF STUDY		Alleviation of traffic congestion in Bangkok, with the bridge serving to complete the middle ring road							
8.DATE OF S/W	Mar.1981	Imp. Period:		Oct.1983-Mar.1986		2.MAJOR REASONS FOR PRESENT STATUS 1) Large impact: stimulation of the regional economy by the alleviation of congestion and the reduction of travel time 2) High priority: the completion of the Middle Ring Road ensures the balanced growth of the metropolitan area of Bangkok. 3) Administrative expertise: PWD has experiences in bridge construction (already constructed 5 bridges across Chao Phraya River)					
9.CONSULTANT(S)	Chiyoda Engineering Consultants Co., Ltd. Japan Overseas Consultants Co., Ltd.	10.STUDY TEAM		No. of Members 12 Period Jun.1981-Mar.1982 (10 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>38.05</td> <td>3.55</td> <td>34.50</td> </tr> </tbody> </table>				Total M/M	Japan	Field	38.05
Total M/M	Japan	Field									
38.05	3.55	34.50									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION		1②③④					
Traffic survey, topographic survey and geological survey		Total 124,023 (¥'000) Contracted 116,682									

和名 チャオピア河架橋計画 (ラマ六世橋建設計画)

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

PROJECT SUMMARY (F/S)

ASE THA/S 309/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Thailand	1.SITE OR AREA	East Coast Region (Changwats Rayong and Chon Buri)																		
2.NAME OF STUDY	East Coast Water Resources Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>242,000</td> <td>103,870</td> <td>137,700</td> </tr> <tr> <td>2) (US\$1=230Yen=23B)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	242,000	103,870	137,700	2) (US\$1=230Yen=23B)				3)			
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	242,000	103,870	137,700																		
2) (US\$1=230Yen=23B)																					
3)																					
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>1. Nong Pla Lai Sub-project</p> <p>a. Reservoir and dam: Catchment Area 426 sq.m, Gross reservoir storage 200,700,000 sq.m; Dam type-Earth fill type with cut-off trench, Crest elevation EL. 49.0 m, Max. dam height 31.0 m, Crest length 4,000m.</p> <p>b. Water transmission system: Supply to Mab Ta Pud: Design discharge 3.63 cu.m/s, Total length 27.6 km; Supply to Sattahip from Mab TA Pud: Design discharge 1.09 cu.m/s, Total length 21.9 km; Supply to Laem Chabang: Design discharge 1.01 cu.m/s, Total length 53.0 km.</p> <p>c. Irrigation and drainage system: Irrigation area 3,650 ha, Irrigation canal: Main length 46.2 km, Lateral length 20 km; Drainage area: Inside the project area 21.3 sq.m, Outside the project area 14.9 sq.m; Drainage length 6.5 km.</p> <p>2. Ban Bung Sub-project</p> <p>Reservoir and dam: Catchment area 53 sq.m, Gross reservoir storage 21,900,000 cu.m; Dam type-Earth fill type with cut-off trench, Crest elevation EL. 86.3 m, Max. dam height 21.5 m, Crest length 2,800 m.</p>																		
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1</th> <th>10.50</th> <th>FIRR1</th> <th>4.90</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2</td> <td>8.20</td> <td>FIRR2</td> <td>1.80</td> </tr> <tr> <td></td> <td>EIRR3</td> <td></td> <td>FIRR3</td> <td></td> </tr> </tbody> </table> <p>Conditions and Development Impacts: Conditions: The proposed industrial development project in the east coast region be progressed as originally scheduled.</p> <p>Development Impacts: 1. Direct impacts a. Municipal and industrial water consumption; b. Production of paddy and groundnuts; and c. Flood control 2. Indirect impacts a. Promotion of industrial development (gas separation & petrochemical plant, soda ash plant, chemical fertilizer plant, sponge iron plant, industrial estate, deep sea port, etc.); b. Improvement of living standard and c. Land enhancement by flood control</p> <p>Notes: Above EIRRs and FIRR are for 1) Nong Pla Lai Sub-project and 2) Ban Bung Sub-project. The respective EIRRs of the sectors are: 1. Nong Pla Lai Sub-project: Industrial and municipal water-10.4%, Irrigation-12.1%, and Flood control-3.5%; 2. Ban Bung Sub-project: Industrial and municipal water-8.3%, and Flood control-2.9%.</p>			Feasibility:	EIRR1	10.50	FIRR1	4.90	Yes	EIRR2	8.20	FIRR2	1.80		EIRR3		FIRR3		
Feasibility:	EIRR1	10.50	FIRR1	4.90																	
Yes	EIRR2	8.20	FIRR2	1.80																	
	EIRR3		FIRR3																		
5.TYPE OF STUDY	F/S	5.technical transfer	Acceptance of Trainees: for about three months, four trainees despatched from the Government of Thailand pursued the study and training mainly field survey of water supply systems. In the long view, it is considered profitable to the trainees.																		
6.COUNTERPART AGENCY	Royal Irrigation Department	6.PRINCIPAL SOURCE OF INFORMATION	①②④																		
7.OBJECTIVES OF STUDY	Water Resources Development covering Rayong, Nong Pla Lai, Chon Buri Changwats	7.PRINCIPAL SOURCE OF INFORMATION	①②④																		
8.DATE OF S/W	Dec.1980	8.PRINCIPAL SOURCE OF INFORMATION	①②④																		
9.CONSULTANT(S)	CTI Engineering Co., Ltd. Sanyu Consultants Inc. Nomura Research Institute	9.PRINCIPAL SOURCE OF INFORMATION	①②④																		
10.STUDY TEAM	<p>No. of Members 11</p> <p>Period Feb.1981-Mar.1982 (13 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>61.79</td> <td>26.54</td> <td>35.25</td> </tr> </tbody> </table>	Total M/M	Japan	Field	61.79	26.54	35.25	10.PRINCIPAL SOURCE OF INFORMATION	①②④												
Total M/M	Japan	Field																			
61.79	26.54	35.25																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey	11.PRINCIPAL SOURCE OF INFORMATION	①②④																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>165,176 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>149,826</td> </tr> </tbody> </table>		165,176 (¥'000)	Total		Contracted	149,826	12.PRINCIPAL SOURCE OF INFORMATION	①②④												
	165,176 (¥'000)																				
Total																					
Contracted	149,826																				
		13.PRINCIPAL SOURCE OF INFORMATION	①②④																		

和名 東部水資源開発計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 305/82

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Phetchaburi River Basin. area : 52,600 ha, population: 192,000														
2.NAME OF STUDY	Phetchaburi-Kaeng Krachan Irrigated Agriculture Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>233,865</td> <td>163,396</td> <td>70,469</td> </tr> <tr> <td>US\$1=23B=230Yen</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	233,865	163,396	70,469	US\$1=23B=230Yen			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	233,865	163,396	70,469														
US\$1=23B=230Yen																	
3.SECTOR	Agriculture-General	3.CONTENTS OF MAJOR PROJECT(S)	Development of irrigation agriculture centering on improvement of irrigation canal for Phetchaburi irrigated area of 45,000ha and new development of 7,100ha, and terminal facilities.														
4.REFERENCE NO.																	
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives																
7.OBJECTIVES OF STUDY	Feasibility study for irrigation and drainage system improvement and promotion of land consolidation																
8.DATE OF S/W	.0	Imp. Period:	.1987-.1998														
9.CONSULTANT(S)	Sanyu Consultants Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>26.00</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	26.00	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	26.00	FIRR1)														
Yes	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
10.STUDY TEAM	No.of Members 11 Period Nov.1980-Mar.1982 (17 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>50.73</td> <td>18.36</td> <td>32.37</td> </tr> </tbody> </table>	Total M/M	Japan	Field	50.73	18.36	32.37	Conditions and Development Impacts: -The increase of paddy production by 98,000t annually -Introduction of improved seeds to 48,700ha paddy -Expansion of cultivation in dry season	1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled								
Total M/M	Japan	Field															
50.73	18.36	32.37															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	Training to engineers														
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>201,291 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>167,094</td> </tr> </tbody> </table>		201,291 (¥000)	Total		Contracted	167,094		(Description) The proposed project has been suspended because of the change in Thai Government policy on farmland consolidation. (FY 1991 Overseas Survey) No additional information.								
	201,291 (¥000)																
Total																	
Contracted	167,094																
			2.MAJOR REASONS FOR PRESENT STATUS The high investment cost of the project undermined its priority.														
			3.PRINCIPAL SOURCE OF INFORMATION ①②														

和名 ペチャブリーかんがい農業開発計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 306/82

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2.NAME OF STUDY		Chieng Mai and Lampoon Provinces					
Mae Kuang Irrigated Agriculture Development Project							
3.SECTOR		2.PROJECT COST				(Description) The project is under implementation in three stages with the OECF loans. Detailed Design: Jul. 1982 OECF loan agreement signed for E/S (940 million yen), of which 190 million used for the project. D/D undertaken by Sanyu Consultants, Inc. First Stage Construction: Sep. 1984 OECF loan agreement signed (2,300 million yen) Left saddle dam constructed. Construction was under direct management of RID and supervised by Sanyu Consultants, Inc. Second Stage Construction: Oct. 1985 OECF loan agreement signed (9,197 million yen) Main and Right saddle dam constructed. Construction undertaken by a Chinese company, supervised by Nippon Koei Co. Inc. Third Stage Construction:	
Agriculture/General		Total Cost Local Cost Foreign Cost (US\$1,000) 1) 204,400 126,600 77,800 2) 223,600 138,700 84,900 3)					
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)					
5.TYPE OF STUDY	F/S	1. The dimension of dam Crest elevation (m) Embankment volume (MCM) Dam height (m) Dam length (m) 1) Left saddle dam 395.0 2.26 52.0 650 2) Main dam 395.0 5.58 77.0 645 3) Right saddle dam 395.0 1.44 41.0 655 2. Main irrigation canal: 87.4km 3. Lateral irrigation canal: 146.6km 4. The capacity of hydropower generation 1) Optimum installed capacity: 3.7MW 2) Annual energy: 16.3GWH 5. New cropping patterns Rice-Rice, Rice-Groundnut, Rice-Soybean, Rice-Sweet corn, Rice-Tobacco, Rice-Garlic, Rice-Vegetables, Soybean-Tobacco, Soybean-Groundnut and Longan					
6.COUNTERPART AGENCY		8.DATE OF S/W					
RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives		Dec.1980					
7.OBJECTIVES OF STUDY		Imp. Period: Jan.1976-Sep.1988					
		4.FEASIBILITY AND ITS ASSUMPTIONS					
		Feasibility: EIRR1) 17.70 FIRR1) Yes EIRR2) FIRR2) EIRR3) FIRR3)					
		Conditions and Development Impacts:					
		Conditions: 1. Economic cost: Baht 2,521.4 million (1980 price) 2. Maintenance cost: Baht 17.4 million/year (after 1991)					
10.STUDY TEAM		5.technical transfer					
No.of Members 14 Period Feb.1981-Feb.1982 (13 months)		Development impacts 1. The increase of agricultural productivity 2. The increase in employment opportunities for some 14,300 farm families. 3. Flood control: annual average flood damage reduced by 38% 4. The increase in farmer's income: can reserve about Baht 13,700 as net profit.					
Total M/M Japan Field 57.09 21.57 35.32							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY						2.MAJOR REASONS FOR PRESENT STATUS	
12.EXPENDITURE						3.PRINCIPAL SOURCE OF INFORMATION	
Total 193,441 (¥'000) Contracted 165,175		1.Acceptance of one trainee 2.Several seminars held in RID during the period of the survey				①②④	

和名 メイクワンかんがい農業開発計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 307/82

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA	Upper Pasak river basin under PHETCHABUN Province (about 330km north from Bangkok)		1.PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Upper Pasak Medium Scale Irrigation Project	2.PROJECT COST	Total Cost 195,000 Local Cost 107,000 Foreign Cost 88,000 (US\$1,000) US\$1-23B		
3.SECTOR	Agriculture/General	3.CONTENT(S) OF MAJOR PROJECT(S)	Sub-Project Huai Saduang Huai Khon Huai Yai K.Chaliang Yai Kaen Lab 1.Irrigation Area(ha) 5,400 5,100 1,800 1,200 2.Dam 1)Type Earthfil Earthfil Earthfil Earthfil 2)Height(m) 38 57 38 35.3 3)Crest Length(m) 467 950 816 1,259 3.Irrigation Canal(km) - 105.2 26.6 21.2 4.Drainage Canal - 72.3 36.7 20.0 * Below implementation period is 10 years.		(Description) The Royal Irrigation Development has been implementing the project with its own funds based on the results of the JICA Study. (FY 1991 Overseas Survey) D/D Period : 1986-1992 Consultant's country : Thai Source of finance : Thai Construction Period : 1988-1996 Country of main contractors: Thai
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes EIRR1) 13.90 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)		
5.TYPE OF STUDY	F/S	Conditions and Development Impacts: Condition: Agricultural benefit is estimated as a difference of both benefits accrued under with and without conditions. In addition, irrigation water supply to lower basin and drinking water supply to the Lom Sak municipality are assessed as a direct benefit from the project. Development Impacts: 1) Increase of agricultural production 2) Raising of the living standard of the regional inhabitants 3) Supplemental water supply to urban area			
6.COUNTERPART AGENCY	Royal Irrigation Department, Ministry of Agriculture and Cooperatives	5.technical transfer To undertake on-the-job training of the government's officials in the course of the survey and study.			
7.OBJECTIVES OF STUDY	Feasibility Study -to identify the order of priority -to formulate an irrigated agricultural development project and identify the feasibility of the project	10.STUDY TEAM No.of Members 34 Period Aug.1981-Mar.1983(20 months) Total M/M Japan Field 72.48 21.06 51.42			
8.DATE OF S/W	Apr.1981	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS	
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Chuo Kaihatsu International Corp.	12.EXPENDITURE Total 188,810 (¥'000) Contracted 175,942		3.PRINCIPAL SOURCE OF INFORMATION ①②	

和名 バサック河上流中規模灌漑計画

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

PROJECT SUMMARY (D/D)

ASE THA/S 403/82

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Thailand	1.SITE OR AREA	The Rama VI bridge and neighboring areas, northern Bangkok																		
2.NAME OF STUDY	Rama VI Bridge Rehabilitation Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>1,353</td> <td>1,353</td> <td></td> </tr> <tr> <td>(US\$1=26 Bahts)</td> <td>142</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1,353	1,353		(US\$1=26 Bahts)	142						
	Total Cost	Local Cost	Foreign Cost																		
(US\$1,000)	1,353	1,353																			
(US\$1=26 Bahts)	142																				
3.SECTOR	Transportation/Railway	3.CONTENTS OF MAJOR PROJECT(S)	<p>(1) Survey to confirm present status riverbed scouring; Geological survey; Vibration survey</p> <p>(2) Analysis of causes of deformation</p> <p>(3) Study on repair policies; (4) Basic design</p> <p>(5) Study on construction methods</p> <p>(6) Approximate calculation of costs</p> <p>(7) Detailed design</p> <p>(8) Preparation of calculation sheets for work execution</p> <p>(9) Cost estimation</p> <p>(10) Preparation of specifications</p> <p>* cost 1) above is for bridge piers and cost 2) for shoe resetting</p> <p>** Implementation periods below are 1) for 10 months and 2) for 3 months.</p>																		
4.REFERENCE NO.																					
5.TYPE OF STUDY	D/D																				
6.COUNTERPART AGENCY	State Railway of Thailand																				
7.OBJECTIVES OF STUDY	D/D and cost estimation, etc., for preparing bidding documents on the rehabilitation of the Rama VI bridge, which was in danger of collapse																				
8.DATE OF S/W	Mar.1981	Imp. Period:																			
9.CONSULTANT(S)	Japan Railway Technical Service	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes/No	EIRR2)	FIRR2)		EIRR3)	FIRR3)							
Feasibility:	EIRR1)	FIRR1)																			
Yes/No	EIRR2)	FIRR2)																			
	EIRR3)	FIRR3)																			
		Conditions and Development Impacts:	<p>In the short term, the current restrictions on large rolling stock and train speed are to be continued.</p> <p>In the long term, such measures as the repairing of bridge piers and shoe resetting are to be implemented.</p>																		
10.STUDY TEAM	<p>No. of Members 18</p> <p>Period Jan.1982-Dec.1982 (11 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>46.54</td> <td>35.50</td> <td>11.04</td> </tr> </tbody> </table>	Total M/M	Japan	Field	46.54	35.50	11.04														
Total M/M	Japan	Field																			
46.54	35.50	11.04																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	<p>-Survey by divers</p> <p>-Vibration survey</p> <p>-Excavation survey on bridge piers</p>	5.TECHNICAL TRANSFER	<p>1) OJT and JICA training program for counterparts</p> <p>2) Employment of local consultants</p>																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>87,560 (¥'000)</td> <td>81,093</td> </tr> </tbody> </table>		Total	Contracted		87,560 (¥'000)	81,093		2.MAJOR REASONS FOR PRESENT STATUS												
	Total	Contracted																			
	87,560 (¥'000)	81,093																			
			3.PRINCIPAL SOURCE OF INFORMATION																		
			①②																		

和名 ラマ 6 世橋梁修復計画

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

PROJECT SUMMARY (D/D)

ASE THA/S 404/82

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Thailand	1.SITE OR AREA	Eastern Coastal Zone of Thailand between Dok Krai and Mab Ta Pud																		
2.NAME OF STUDY	Dok Krai - Mad Ta Pud Water Pipe Line Project in the East Coast Area	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>39,214</td> <td>13,026</td> <td>26,188</td> </tr> <tr> <td>2) (US\$1=230Yen=23B)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	39,214	13,026	26,188	2) (US\$1=230Yen=23B)				3)			
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	39,214	13,026	26,188																		
2) (US\$1=230Yen=23B)																					
3)																					
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTS OF MAJOR PROJECT(S)	<p>Nong Pla Lai Dam: 200MCM Pipeline: 27.6 km Irrigation Water Drainage System: 3,650 ha</p>																		
4.REFERENCE NO.		<p>(Description) The project was completed with the OECF loan. Jul.1982 OECF loan agreement signed (6,570 million yen) Sep.1982 Detailed design completed Jun.1984 Construction completed Sep.1983 Service commenced (FY 1991 Overseas Survey) No additional information.</p>																			
5.TYPE OF STUDY	D/D																				
6.COUNTERPART AGENCY	Royal Irrigation Department (RID)																				
7.OBJECTIVES OF STUDY	Executive design for construction of pipeline between Dok Krai reservoir and Mab Ta Pud																				
8.DATE OF S/W	Oct.1980	Imp. Period:	Mar.1983-Aug.1984																		
9.CONSULTANT(S)	CTI Engineering Co., Ltd. Sanyu Consultants Inc. Nihon Suido Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	<table border="1"> <thead> <tr> <th></th> <th>EIRR1</th> <th>11.20</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td></td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			EIRR1	11.20	FIRR1)		EIRR2)		FIRR2)		EIRR3)		FIRR3)				
	EIRR1	11.20	FIRR1)																		
	EIRR2)		FIRR2)																		
	EIRR3)		FIRR3)																		
10.STUDY TEAM	<p>No.of Members 22 Period Nov.1981-Aug.1982(10 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>87.00</td> <td>39.00</td> <td>48.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	87.00	39.00	48.00	<p>Conditions and Development Impacts: After deducting tax, insurance subsidy and indemnity from the construction cost reckoned on the preliminary design as the basis. Regional development of the eastern coastal zone is anticipated by the supply of municipal, industrial and irrigation water.</p>													
Total M/M	Japan	Field																			
87.00	39.00	48.00																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey Geological Survey	5.technical transfer	OJT and JICA training program for counterparts																		
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>223,594 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>206,221</td> <td></td> </tr> </tbody> </table>		Total	223,594 (¥'000)	Contracted	206,221		<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>(1) High degree of priority: The industrialization of the east coast region was the No.1 priority project of the Government of Thailand (2) RID was directly commissioned by the Prime Minister to pushing forward of the project.</p>													
	Total	223,594 (¥'000)																			
Contracted	206,221																				
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②④</p>																			

和名 東部海岸パイプライン建設実施設計

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

PROJECT SUMMARY (Basic Study)

Compiled Mar. 1990
Revised Mar. 1992

ASE THA/S 501/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS		
1.COUNTRY	Thailand	1.SITE OR AREA	Two camps for Laotian refugees in the northeastern part of Thailand		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2.NAME OF STUDY	Water Supply Project to Laotian Displaced Persons:Nakhon Phanom Camp and Pak Chom Camp	2.PROJECT COST	(US\$1,000)	Total Cost Local Cost Foreign Cost 1) 2)	(Description) After the completion of the study, the proposed tube wells were constructed by the Japanese grant aid.	
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTES OF MAJOR PROJECT(S)	1st phase study: Underground water survey at Nakhon Phanom Camp (test boring at 4 sites and identification of 2 sites for tube wells) 2nd phase study: Underground water survey at Pak Chom Camp (test boring at 4 sites and identification of 2 sites for tube wells)			
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS				
5.TYPE OF STUDY	Basic Study	The project will supply potable water for Laotian refugees (20,000 persons at Nakhon Phanom and 50,000 persons at Pak Chom).				
6.COUNTERPART AGENCY	Ministry of Interior					
7.OBJECTIVES OF STUDY	Survey of underground water resources					
8.DATE OF S/W	.0					
9 CONSULTANT(S)	Japan Engineering Consultants Co., Ltd.					
10.STUDY TEAM	No.of Members 8 Period Feb.1982-Nov.1982(10 months) <div style="display: flex; justify-content: space-between;"> Total M/M Japan Field </div> <div style="display: flex; justify-content: space-between;"> 36.66 2.96 33.70 </div>			2.MAJOR REASONS FOR PRESENT STATUS		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY						
12.EXPENDITURE	Total 100,465 (¥'000) Contracted 98,916	5.TECHNICAL TRANSFER			3.PRINCIPAL SOURCE OF INFORMATION	
					①	

和名 ラオス難民生活用水供給計画

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

PROJECT SUMMARY (M/P)

ASE THA/S 102/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Thailand	1.SITE OR AREA	16 changwats of the Northeastern Region (169,000 sq.km)	1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued						
2.NAME OF STUDY	Road Development in the Northeastern Region	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 55,200 (US\$1=23B) 2)	(Description) Based on the recommendations of the study, a feasibility study was subsequently undertaken on 15 routes for new construction and improvement (502.1km) and 8 routes for rehabilitation (90km). (FY 1992 Overseas Survey) Waiting for the answer.							
3.SECTOR	Transportation/Road	3.CONTENTS OF MAJOR PROJECT(S)									
4.REFERENCE NO.		The study proposed the following priority projects. - New construction and improvement 18 routes (666.9km) - Rehabilitation 25 routes (468.0km)									
5.TYPE OF STUDY	M/P										
6.COUNTERPART AGENCY	Dept. of Highways, Ministry of Communications										
7.OBJECTIVES OF STUDY	Formulation of a master plan for road development in the Northeastern Region										
8.DATE OF S/W	Nov.1981										
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Katahira & Engineers International	4.CONDITIONS AND DEVELOPMENT IMPACTS		2.MAJOR REASONS FOR PRESENT STATUS							
		Development impacts: 1) Narrowing of regional disparities 2) Stimulation of agricultural production 3) Development in poorer areas Social impacts: 1) Alleviation of social and political isolation 2) Improvement of health services 3) Improvement of education 4) Reduction of income disparities									
10.STUDY TEAM	No.of Members 11 Period Mar.1982-Mar.1983(12 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>79.20</td> <td>14.60</td> <td>64.60</td> </tr> </tbody> </table>	Total M/M	Japan	Field	79.20	14.60	64.60				
Total M/M	Japan	Field									
79.20	14.60	64.60									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY											
12.EXPENDITURE	<table border="1"> <tbody> <tr> <td>Total</td> <td>224,974 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>216,437</td> </tr> </tbody> </table>	Total	224,974 (¥'000)	Contracted	216,437	5.technical transfer	1) OJT of the methods for selecting priority roads and for measuring social impacts 2) Participation of 2 counterparts in the JICA training program	3.PRINCIPAL SOURCE OF INFORMATION			
Total	224,974 (¥'000)										
Contracted	216,437										
				①②							

和名 東北部道路網整備建設計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 204A/83

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Thailand	1.SITE OR AREA		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued						
2.NAME OF STUDY	Development Project of the Industrial Port on the Eastern Seaboard	Coastal area, Layon Province			(Description) A feasibility study was subsequently undertaken. (FY 1991 Overseas Survey) No additional information.						
3.SECTOR	Transportation/Port	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 888,220 570,800 56,560 (US\$1=240Yen) 2)								
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)	Development of Layon Province, Composed of Industrial Base, Port, Residential Area. The target year of the M/P is 2000. 1) Industrial Development: Gas separation plant, Soda ash plant, Petro chemical complex, Fertilizer complex, Iron & steel complex, Supporting industries, Down stream industries, Other industries. 2) Port development: Amount of cargo handled 23 million tons annually. 45 berths, total length 5,750m. 3) Urban Plan: New town 575ha, Population 71,500 Number of household 17,340 4) Infrastructure: Road, Water supply, Sewerage, Waste treatment, Railway(branch of the Chachoengsao - Sattaship line. length 25km, annual traffic volume transported 3.7 million tons) Electricity(total demand 1,354MW) Telephone(number of lines 10,000) Telex/Telegram, terminals and other services 44								
5.TYPE OF STUDY	M/P+(F/S)	4.CONDITIONS AND DEVELOPMENT IMPACTS	Development Impacts: 1) Promotion of the Heavy industry at Eastern Seaboard Development. 2) Establishment of industries utilizing natural gas resources. 3) Acceleration of the region's urban - industrial development. 4) Increase in the economic growth of the nation and employment.								
6.COUNTERPART AGENCY	Industrial Estate Authority of Thailand, Port Authority of Thailand			2.MAJOR REASONS FOR PRESENT STATUS							
7.OBJECTIVES OF STUDY	Development of Eastern Seaboard utilizing natural gas			3.PRINCIPAL SOURCE OF INFORMATION	①②						
8.DATE OF S/W	May.1982										
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan Kokusai Kougyo Co., Ltd.										
10.STUDY TEAM	No.of Members 9 Period Jul.1982-Nov.1983(17 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>65.31</td> <td>36.60</td> <td>28.71</td> </tr> </tbody> </table>	Total M/M	Japan	Field	65.31	36.60	28.71				
Total M/M	Japan	Field									
65.31	36.60	28.71									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey										
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>412,019 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>411,680</td> </tr> </tbody> </table>			Total	412,019 (¥'000)	Contracted	411,680	5.technical transfer	Giving lecture on methods for Planning Ports and Industrial estates.		
Total	412,019 (¥'000)										
Contracted	411,680										

和名 東部工業港開発計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 204B/83

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Thailand	1.SITE OR AREA	Coastal Area, Layon Province																	
2.NAME OF STUDY	Development Project of the Industrial Port on the Eastern Seaboard	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>1,808,940</td> <td>668,491</td> <td>1,140,449</td> </tr> <tr> <td>(US\$1=239.2Yen)</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1,808,940	668,491	1,140,449	(US\$1=239.2Yen)						
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	1,808,940	668,491	1,140,449																	
(US\$1=239.2Yen)																				
3.SECTOR	Transportation/Port	3.CONTENTS OF MAJOR PROJECT(S)	<p>1)Industrial Development: petorochemical, fertilizer, soda ash, various supporting industries, industrial estate Area 410ha, Quay wall 820m</p> <p>2)Port Development: Quay-wall 850m, wharf 280m, breakwater 3,000m total length of berths 1,750m amount of cargo handled 4 million tons annually</p> <p>3)Urban Development: Area 131ha, population 18,300 Number of Household 4,360</p> <p>4)Infrastructure: Road, Water Supply, Sewerage, Waste treatment, Railway(Extension 24km, annual traffic volume transported 2 million tons), Electricity(total demand 133.5MW), Telephone(number of lines 3,000) Telex/Telegram terminals and other services(23)</p>																	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <tr> <td>Feasibility:</td> <td>EIRR1)</td> <td>15.70</td> <td>FIRR1)</td> <td>19.80</td> </tr> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </table>			Feasibility:	EIRR1)	15.70	FIRR1)	19.80	Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	15.70	FIRR1)	19.80																
Yes	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
5.TYPE OF STUDY	(M/P)+F/S	Conditions and Development Impacts:	<p>Conditions of Cargo Forecast: 1986 GDP=4,350 A Bahts 2000 2000 GDP=11,200 A Bahts</p> <p>Conditions of Industrial Development: GNP Growth (1981 - 1986) 6.6% per annum Manufacturing sector growth 7.6% per annum Export oriented Industry 15.0% per annum</p> <p>Conditions: The value added which will be generated by the productive activity of the planned factories will be counted as the total benefit of this project. The benefits are calculated as the difference between the With-project and the Without-project conditions.</p> <p>Development Impacts: 1)Acceleration of regional development.(especially Map Ta Phut area) 2)Development of coastal shipping and port-related industries. 3)Improvement of foreign currency balance.</p>																	
6.COUNTERPART AGENCY	Industrial Estate Authority of Thailand, Port Authority of Thailand	5.technical transfer	Giving lecture on methods for Planning Ports and Industrial Estates																	
7.OBJECTIVES OF STUDY	Establishing the Master Plan for Maptaput Port as an Industrial Port.	12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>412,019 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>411,680</td> </tr> </table>			Total	412,019 (¥'000)	Contracted	411,680											
Total	412,019 (¥'000)																			
Contracted	411,680																			
8.DATE OF S/W	May.1982	Imp. Period:	Jan.1984-Dec.1987																	
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan Kokusai Kogyo Co., Ltd.	2.MAJOR REASONS FOR PRESENT STATUS	<p>(1) To formulate the core of development</p> <p>(2) High priority in Thailand National Plan</p>																	
10.STUDY TEAM	<p>No.of Members 9</p> <p>Period Jul.1982-Nov.1983(17 months)</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>65.31</td> <td>36.60</td> <td>28.71</td> </tr> </table>	Total M/M	Japan	Field	65.31	36.60	28.71	3.PRINCIPAL SOURCE OF INFORMATION	①②④											
Total M/M	Japan	Field																		
65.31	36.60	28.71																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<p>(Description)</p> <p>The project is under implementation with the OECF financing.</p> <p>Sep.1983 OECF E/S loan (1,720 million yen)</p> <p>Sep.1984 OECF loan on Map Ta Phut Industrial Port (5,610 million yen)</p> <p>Oct.1985 OECF loan on Map Ta Phut Industrial Port (16,050 million yen) and Industrial Estate (3,207 million yen)</p> <p>Oct.1985 D/D on Map Ta Phut Port completed</p> <p>Jan.1986 D/D on Industrial Estate completed</p> <p>Dec.1987 Construction of the Industrial Estate commenced</p> <p>Nov.1988 OECF loan on Satahip-Map Ta Phut Railway (3,002 million yen)</p> <p>(FY1991 Overseas Survey)</p> <p>1989 Construction of the Port commenced (~1992)</p> <p>1990 Construction of the Industrial Estate First Stage completed</p> <p>1991 Construction of the Industrial Estate Second Stage commenced</p> <p>Scheduled to be completed in 1992</p>																		

和名 東部工業港開発計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 311/83

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																																																							
1.COUNTRY	Thailand	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																																																																						
2.NAME OF STUDY	Nong Kho - Lam Chabang Water Pipeline Project	Chonburi																																																																											
3.SECTOR	Public Utilities/Water Supply	2.PROJECT COST				(Description) The project was implemented with the OECF loans. 1984 Sep. OECF E/S loan agreement (144 million yen) 1985-1986 Detailed design study undertaken 1985 Oct. OECF loan agreement (1,363 million yen) 1987 May Construction commenced 1988 Dec. Construction completed (FY 1991 Overseas Survey) No additional information.																																																																							
4.REFERENCE NO.		Total Cost Local Cost Foreign Cost (US\$1,000) 1) 16,300 7,100 9,200 (US\$1=230Yen=23B) 2) 13,100 5,300 7,800 3)																																																																											
5.TYPE OF STUDY	F/S	3.CONTENT OF MAJOR PROJECT(S)																																																																											
6.COUNTERPART AGENCY	Public Works Dept., Ministry of Interior	<table border="1"> <thead> <tr> <th></th> <th colspan="2">First Stage</th> <th colspan="2">Second Stage</th> </tr> <tr> <th></th> <th>Nong Kho-Turnout</th> <th>Turnout-Receiving Well</th> <th>Nong Kho-Turnout</th> <th>Turnout-Receiving Well</th> </tr> </thead> <tbody> <tr> <td>1.Raw Water Pipeline</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Diameter of pipe</td> <td>1,000mm</td> <td>900mm</td> <td>1,000mm</td> <td>900mm</td> </tr> <tr> <td>Length of pipe</td> <td>10.95km</td> <td>3.49km</td> <td>10.95km</td> <td>3.49km</td> </tr> <tr> <td>Expected completion year</td> <td>1988</td> <td>1988</td> <td>1994</td> <td>1994</td> </tr> <tr> <td>2.Turnout</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Delivery pipe</td> <td>250mm</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Slide pipe</td> <td>2 units</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3.Aqueduct (pipe-beam)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Net span</td> <td>-</td> <td>27.5m</td> <td>-</td> <td>27.5</td> </tr> <tr> <td>Diameter of pipe</td> <td>-</td> <td>900</td> <td>-</td> <td>900</td> </tr> <tr> <td>4.Receiving Well</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dimension (WxHxL) (m)</td> <td>-</td> <td>6.3x4.4x16.4</td> <td>-</td> <td>6.3x4.4x16.4</td> </tr> </tbody> </table>							First Stage		Second Stage			Nong Kho-Turnout	Turnout-Receiving Well	Nong Kho-Turnout	Turnout-Receiving Well	1.Raw Water Pipeline					Diameter of pipe	1,000mm	900mm	1,000mm	900mm	Length of pipe	10.95km	3.49km	10.95km	3.49km	Expected completion year	1988	1988	1994	1994	2.Turnout					Delivery pipe	250mm	-	-	-	Slide pipe	2 units	-	-	-	3.Aqueduct (pipe-beam)					Net span	-	27.5m	-	27.5	Diameter of pipe	-	900	-	900	4.Receiving Well					Dimension (WxHxL) (m)	-	6.3x4.4x16.4	-	6.3x4.4x16.4
	First Stage		Second Stage																																																																										
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Dimension (WxHxL) (m)	-	6.3x4.4x16.4	-	6.3x4.4x16.4																																																																									
7.OBJECTIVES OF STUDY	To formulate a plan for the pipeline system from the Nong Kho dam to the Lam Chabang and to verify the feasibility of the project.	Imp. Period: 1987-1988 4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 11.60 FIRR1) 9.60 EIRR2) FIRR2) EIRR3) FIRR3)																																																																											
8.DATE OF S/W	Jul.1983	Conditions and Development Impacts: [Conditions] The demand for water was projected for 1995 and 2001. The existing reservoir will not be able to satisfy the projected demand, and water must be conveyed by the pipeline from outside the area. The project life is set at 40 years.																																																																											
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Nikken Consultants., Inc.	Development Impacts: The industrial and urban development in the area, increase of job opportunities, upgrading of living standard, improvement of trade balance, mitigation of congestion in Bangkok.																																																																											
10.STUDY TEAM	No. of Members 7 Period Aug.1983-Mar.1984 (7 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>31.00</td> <td>13.33</td> <td>17.67</td> </tr> </tbody> </table>	Total M/M	Japan	Field	31.00	13.33	17.67	5.technical transfer 1) On-the-job training during the study 2) Acceptance of counterparts for the training in Japan																																																																					
Total M/M	Japan	Field																																																																											
31.00	13.33	17.67																																																																											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION ①②④																																																																											
12.EXPENDITURE	Total 75,218 (¥'000) Contracted 78,467																																																																												

和名 ノンコー・ラムチャバン送水パイプライン建設計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 312/83

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA	Greater Bangkok		
2.NAME OF STUDY	Second Stage Expressway System in the Greater Bangkok	2.PROJECT COST	<div> <div>Total Cost</div> <div>Local Cost</div> <div>Foreign Cost</div> </div>		
3.SECTOR	Transportation/Road	3.CONTENTES OF MAJOR PROJECT(S)	<div> <div>1)</div> <div>2)</div> <div>3)</div> </div>		
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<div> <div>Feasibility:</div> <div>Yes</div> </div>		
5.TYPE OF STUDY	F/S	5.technical transfer	<div> <div>(1) Overseas training for 2 counterpart staff</div> <div>(2) Employment of local consultants for topographic and geological survey</div> </div>		
6.COUNTERPART AGENCY	Expressway and Rapid Transit Authority (ETA)	6.MAJOR REASONS FOR PRESENT STATUS	<div> <div>(1) Effectiveness: Speeding up of vehicles</div> <div>(2) Priority: Traffic volume of the First Stage exceeded the anticipated figure; therefore, toll revenue will increase and priority of Second Stage is high.</div> <div>(3) Strong support to promote this project</div> </div>		
7.OBJECTIVES OF STUDY	Road planning	7.PRINCIPAL SOURCE OF INFORMATION	<div> <div>①②③</div> </div>		
8.DATE OF S/W	Mar.1982	8.IMP. PERIOD	1987-1995		
9.CONSULTANT(S)	Pacific Consultants International	9.CONDITIONS AND DEVELOPMENT IMPACTS	<div> <div>Condition:</div> <div>Future traffic volume was forecasted for the targetted year 1990,2000,2010 on the basis of O-D survey made by home interviews.</div> </div>		
10.STUDY TEAM	<div> <div>No.of Members</div> <div>16</div> </div> <div> <div>Period</div> <div>May.1982-Nov.1983(18 months)</div> </div> <div> <div>Total M/M</div> <div>60.17</div> </div> <div> <div>Japan</div> <div>8.66</div> </div> <div> <div>Field</div> <div>51.51</div> </div>	10.D/E	<div> <div>(1) Overseas training for 2 counterpart staff</div> <div>(2) Employment of local consultants for topographic and geological survey</div> </div>		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic survey Geological survey Traffic survey	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	<div> <div>Topographic survey Geological survey Traffic survey</div> </div>		
12.EXPENDITURE	<div> <div>Total</div> <div>260,230 (¥'000)</div> </div> <div> <div>Contracted</div> <div>250,242</div> </div>	12.EXPENDITURE	<div> <div>Total</div> <div>260,230 (¥'000)</div> </div> <div> <div>Contracted</div> <div>250,242</div> </div>		

和名 バンコック高速道路建設計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 310/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																						
1.COUNTRY	Thailand	1.SITE OR AREA	Eastern seaboard (Rayong and Chonburi changwats)																							
2.NAME OF STUDY	East Coast Water Resources Development (Phase II)	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>198,260</td> <td></td> <td>82,608</td> </tr> <tr> <td>2) (US\$1=23Bahts)</td> <td>329,565</td> <td></td> <td>134,782</td> </tr> <tr> <td>3)</td> <td>69,130</td> <td></td> <td>17,391</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	198,260		82,608	2) (US\$1=23Bahts)	329,565		134,782	3)	69,130		17,391					
	Total Cost	Local Cost	Foreign Cost																							
1) (US\$1,000)	198,260		82,608																							
2) (US\$1=23Bahts)	329,565		134,782																							
3)	69,130		17,391																							
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENT OF MAJOR PROJECT(S)	<p>1) Khlong Luang: (a) Multi-purpose dam (h.42.5m); (b) canal connecting the dam and Chonburi; (c) irrigation and drainage (6,600ha)</p> <p>2) Khlong Yai: (a) Multi-purpose dam (h.50.8m); (b) canal connecting Nong Pla Lai Dam and Nong Kho Dam; (c) irrigation and drainage (7,700ha)</p> <p>3) Khlong Thap Ma: (a) Multi-purpose dam (h. 28.9m); (b) irrigation and drainage</p>																							
4.REFERENCE NO.		<p>(Description)</p> <p>1) Canal connecting Nong Pla Lai Dam and Nong Kho Dam OECF E/S loan agreement (204 million yen) in Feb. 1990</p> <p>2) Khlong Luang and Khlong Thap Ma: Suspended after the completion of the F/S.</p> <p>(FY 1991 Overseas Survey) Project scale was reduced.</p>																								
5.TYPE OF STUDY	F/S																									
6.COUNTERPART AGENCY	Royal Irrigation and Drainage Dept.																									
7.OBJECTIVES OF STUDY	Feasibility analysis of three dams																									
8.DATE OF S/W	Feb.1982	Imp. Period:	.1984-.1996																							
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Nikken Consultants., Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility:	EIRR1	16.10	FIRR1																				
			Yes	EIRR2	15.00	FIRR2																				
				EIRR3	12.10	FIRR3																				
10.STUDY TEAM	No.of Members 12 Period Jul.1982-Mar.1983 (9 months)	<p>Conditions and Development Impacts: Benefits of the projects are estimated as follows.</p> <table border="1"> <thead> <tr> <th></th> <th>Water Demand</th> <th>Aqri. Dev.</th> <th>Flood Control</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>423.3</td> <td>180.7</td> <td>49.8</td> <td>653.8</td> </tr> <tr> <td>2)</td> <td>793.6</td> <td>198.2</td> <td>57.2</td> <td>1,049.0</td> </tr> <tr> <td>3)</td> <td>-</td> <td>81.7</td> <td>19.5</td> <td>101.0</td> </tr> </tbody> </table>						Water Demand	Aqri. Dev.	Flood Control	Total	1)	423.3	180.7	49.8	653.8	2)	793.6	198.2	57.2	1,049.0	3)	-	81.7	19.5	101.0
	Water Demand	Aqri. Dev.	Flood Control	Total																						
1)	423.3	180.7	49.8	653.8																						
2)	793.6	198.2	57.2	1,049.0																						
3)	-	81.7	19.5	101.0																						
	Total M/M Japan Field																									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																										
12.EXPENDITURE	Total 184,263 (¥'000) Contracted 173,923	5.technical transfer																								
		2.MAJOR REASONS FOR PRESENT STATUS																								
		<p>(FY 1991 Overseas Survey)</p> <p>Khlong Yai is planned to follow Nong Pla Lai Dam, whereas Khlong Luang and Khlong Thap Ma have resettlement problems.</p>																								
		3.PRINCIPAL SOURCE OF INFORMATION																								
		①②																								

和名 東部水資源開発計画 (フェーズII)

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

PROJECT SUMMARY (F/S)

ASE THA/A 308/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Thailand	1.SITE OR AREA	Northern part of Thailand, Mae Chang River Basin																						
2.NAME OF STUDY	Mae Chang Irrigation Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>44,000</td> <td>22,000</td> <td>22,000</td> </tr> <tr> <td>1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	44,000	22,000	22,000	1)				2)				3)			
	Total Cost	Local Cost	Foreign Cost																						
(US\$1,000)	44,000	22,000	22,000																						
1)																									
2)																									
3)																									
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	Irrigation canal for new water resource development through construction of reservoir dam and diversion dam (main canal 51.3km, tributary canal 93.3km)																						
4.REFERENCE NO.		(Description) The project has been suspended because of the change in agricultural policy of the Thai Government. (FY 1991 Overseas Survey) No additional information.																							
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives																								
7.OBJECTIVES OF STUDY	Feasibility study of the irrigation plan in Mae Chang area through the construction of a water storage dam																								
8.DATE OF S/W	Nov.1982	Imp. Period:	Apr.1984-Apr.1992																						
9.CONSULTANT(S)	Sanyu Consultants Inc. Taiyo Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 13.60 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)																				
10.STUDY TEAM	No.of Members 13 Period Jan.1983-Jan.1984 (13 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>69.11</td> <td>34.81</td> <td>34.30</td> </tr> </tbody> </table>	Total M/M	Japan	Field	69.11	34.81	34.30	Conditions and Development Impacts: Productivity of agriculture will be increased by water resource development through dam. It will also increase all-year employment opportunities, and stabilize agricultural production through improvement of living environment, which will heighten farmers' living standard in project site and surrounding areas.																	
Total M/M	Japan	Field																							
69.11	34.81	34.30																							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS																							
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>186,107 (¥'000)</td> <td>141,808</td> </tr> </tbody> </table>		Total	Contracted		186,107 (¥'000)	141,808	Problem of relocating 25 families in the area which will be submerged in water in the River Basin.																	
	Total	Contracted																							
	186,107 (¥'000)	141,808																							
		5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION																						
		To Thai counterparts assigned through the survey	①②																						

和名 メCHANかんがい農業開発計画

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

PROJECT SUMMARY (M/P)

Compiled Mar.1990
Revised Mar.1992

ASE THA/S 103/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS						
1.COUNTRY	Thailand	1.SITE OR AREA	Upper part of the Southern Region (pop.1.1 million)		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued					
2.NAME OF STUDY	Sub-Regional Development of the Upper Southern Part	2.PROJECT COST	(US\$1,000) 1) (US\$1=23Bahts) 2) Total Cost Local Cost Foreign Cost							
3.SECTOR	Development Plan/Integrated Regional Development Plan	3.CONTENTES OF MAJOR PROJECT(S)	(Description) 1) After the completion of the study, ADB reviewed 10 high priority projects and endorsed their validity. 2) The Southern Seaboard Development Committee (chaired by the Prime Minister) was established in 1989. Under the purview of this Committee, a study on the development of Southern Thailand is being implemented, including the East-West Link, the Krabi Oil Refinery and Pipeline, and the Khanom Deep-sea Port, with World Bank finance. 3) With JICA technical assistance, the Tourism Authority of Thailand implemented a master plan study on tourism in Southern Thailand (1988). 4) With JICA technical assistance, the Dept. of Highways of the Ministry of Communications is implementing a master plan study on the road network (the East-West Link) in Southern Thailand. 5) The Electricity Generating Authority of Thailand is making preparations for a study on the Kaen Krung Dam proposed as part of the Tapi-Phum Duang River Management, but the problem of relocation is yet unsolved. 6) Unilever and other private enterprises have been active in the Central Lowland Development.							
4.REFERENCE NO.		The study proposed 10 high priority projects at the total cost of 24,272 million baht. 1) Surat Thani Industrial Estate 2) Phuket Airport Industrial Estate and Export Processing Zone 3) East-West Link 4) Surat Thani International Port (Khanom Deep-sea Port) 5) Krabi Oil Refinery and Pipeline 6) Phuket Urban Development 7) Surat Thani Urban Development 8) Central Lowland Development 9) Tapi-Phum Duang River Management 10) Phuket Water Supply Note: The cost shown above pertains to the ten high priority projects.								
5.TYPE OF STUDY	M/P	4.CONDITIONS AND DEVELOPMENT IMPACTS	Development impacts: 1) Lessening of the concentration of economic activities in Greater Bangkok and more decentralized economic growth 2) Agricultural development (agricultural land development of unutilized or underutilized land and an increase of agricultural exports) 3) Industrial development (Sophistication of processing industries) 4) Tourism development (beach resorts, etc.) 5) Energy development (hydro-power, thermal power (coal), refining of Middle East petroleum) 6) Development of two urban cores (Surat Thani and Phuket)							
6.COUNTERPART AGENCY	National Economic and Social Development Board (NESDB)									
7.OBJECTIVES OF STUDY	Formulation of a regional development plan through 2000	5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION ①②							
8.DATE OF S/W	Nov.1982									
9.CONSULTANT(S)	International Development Center of Japan Pacific Consultants International		2.MAJOR REASONS FOR PRESENT STATUS (FY 1991 Overseas Survey) The project was integrated in the Sixth National Plan (Chapter 5: "Preparation for Development of Other New Economic Areas").							
10.STUDY TEAM	No.of Members 26 Period Mar.1983-Mar.1985(24 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>157.10</td> <td>20.70</td> <td>136.40</td> </tr> </tbody> </table>	Total M/M				Japan	Field	157.10	20.70	136.40
Total M/M	Japan	Field								
157.10	20.70	136.40								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY										
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>431,827 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>416,274</td> </tr> </tbody> </table>			Total	431,827 (¥'000)	Contracted	416,274	1) Participation of counterparts in the JICA training program (2 Staff) 2) OJT for the counterparts through joint work		
Total	431,827 (¥'000)									
Contracted	416,274									

和名 南タイ北部地域総合開発計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 205A/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS															
1.COUNTRY	Thailand	1.SITE OR AREA	Laem Chabang Coastal Area, some 120km southeast of Bangkok		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued														
2.NAME OF STUDY	Development Project of Laem Chabang Coastal Area	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1=23B)</td> <td>2)</td> <td>397,000</td> <td>214,000</td> <td>183,000</td> </tr> <tr> <td></td> <td></td> <td>1,051,000</td> <td></td> <td></td> </tr> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost	(US\$1=23B)	2)	397,000	214,000	183,000			1,051,000	
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost															
(US\$1=23B)	2)	397,000	214,000	183,000															
		1,051,000																	
3.SECTOR	Development Plan/Integrated Regional Development Plan	3.CONTENTES OF MAJOR PROJECT(S)	(Description) A feasibility study was subsequently undertaken. (FY 1991 Overseas Survey) No additional information.																
4.REFERENCE NO.		1) Industrial Development																	
5.TYPE OF STUDY	M/P+ (F/S)	2) Port Development: 16 berths, domestic wharf 1,100m, wharf area 258ha length of breakwater 3,070m																	
6.COUNTERPART AGENCY	Industrial Estate Authority of Thailand	3) Urban Development: New town population 120,000, Area 930ha 4) Transportation Planning 5) Utility Development Water supply, sewerage system, drainage system, solid waste disposal, power supply system(2 substations) telecommunication system (number of telephones 13,764, number of telex terminals 64) land preparation plan (land fill 3 million cu.m)																	
7.OBJECTIVES OF STUDY	Formulation of a master plan (target year 2000) for the development of Laem Chabang Area and feasibility analysis of the short-term plan (target year 1987)	* The project cost 1) above is for a short-term plan and 2) is for a long-term plan.			2.MAJOR REASONS FOR PRESENT STATUS Priority was given to the project in the national development plan of Thailand.														
8.DATE OF S/W	Sep.1983	4.CONDITIONS AND DEVELOPMENT IMPACTS																	
9.CONSULTANT(S)	Nihon Koei Co., Ltd.	Development Impacts 1) Creation of employment opportunities 2) Increase in foreign exchange earnings 3) Control of excessive growth in the Bangkok Metropolitan Area and Development of the regional economy																	
10.STUDY TEAM	No.of Members 11 Period Jan.1984-Mar.1985(15 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>65.31</td> <td>36.60</td> <td>28.71</td> </tr> </tbody> </table>	Total M/M	Japan	Field	65.31	36.60	28.71	5.technical transfer			3.PRINCIPAL SOURCE OF INFORMATION ①②								
Total M/M	Japan	Field																	
65.31	36.60	28.71																	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		On-the-job training and seminar Study tour to Japan: 4 staff (Urban Development and Project Analysis)																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>255,314 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>181,733</td> </tr> </tbody> </table>		255,314 (¥'000)	Total		Contracted	181,733												
	255,314 (¥'000)																		
Total																			
Contracted	181,733																		

和名 ラムチャバン臨海部開発計画

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

PROJECT SUMMARY (M/P+F/S)

Compiled Mar.1988
Revised Mar.1992

ASE THA/S 205B/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																			
1.COUNTRY	Thailand	1.SITE OR AREA	Laem Chabang (120km southeast of Bangkok)																				
2.NAME OF STUDY	Development Project of Laem Chabang Coastal Area	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>397,000</td> <td>214,000</td> <td>183,000</td> </tr> <tr> <td>(US\$1=23B)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	397,000	214,000	183,000	(US\$1=23B)									
	Total Cost	Local Cost	Foreign Cost																				
(US\$1,000)	397,000	214,000	183,000																				
(US\$1=23B)																							
3.SECTOR	Development Plan/Integrated Regional Development Plan	3.CONTENTES OF MAJOR PROJECT(S)	<p>Major components of the short-term development plan:</p> <p>1) Industrial Development: Industrial estate 219ha</p> <p>2) Port Development: 6 berths, domestic wharf 280m, land area 116ha length of breakwater 2,400m</p> <p>3) Urban Development: New town population 24,000, area 130ha</p> <p>4) Transportation Development</p> <p>5) Utility Development: Water supply, sewerage system, drainage system solid waste disposal, power generation(88.5MW) telephone lines(3,000), telex terminal(32) land preparation plan(land fill 2.6 million cu.m)</p>																				
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>19.20</td> <td>8.40</td> </tr> <tr> <td></td> <th>EIRR2)</th> <th>FIRR2)</th> </tr> <tr> <td></td> <td></td> <td>4.80</td> </tr> <tr> <td></td> <th>EIRR3)</th> <th>FIRR3)</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes	19.20	8.40		EIRR2)	FIRR2)			4.80		EIRR3)	FIRR3)			
Feasibility:	EIRR1)	FIRR1)																					
Yes	19.20	8.40																					
	EIRR2)	FIRR2)																					
		4.80																					
	EIRR3)	FIRR3)																					
5.TYPE OF STUDY	(M/P)+F/S	<p>Conditions and Development Impacts:</p> <p>Conditions:</p> <p>EIRR: adjusted the price with the Standard Conversion Factor of 0.92; Benefits consist of value added in the industrial estate</p> <p>FIRR: Calculated for the investments and for entities in charge of development (FIRR for the developing entity is calculated to be 8.0% for the industrial estate and 11% for the housing estate)</p> <p>Development Impacts:</p> <p>1)Creation of employment 2)Increased foreign exchange earnings 3)Regional economic growth 4)Improvement of transportation system 5)Development of coastal shipping and port related industry. 6)Utilization of local resources; 7)Accumulation of production technologies, managerial technology and know-how.</p> <p>Note: EIRR and FIRR1)above are for the industrial estate, and 2)FIRR for the housing estate.</p>																					
6.COUNTERPART AGENCY	Industrial Estate Authority of Thailand	<p>10.STUDY TEAM</p> <p>No.of Members</p> <p>Period Jan.1984-Mar.1985(15 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>65.31</td> <td>36.60</td> <td>28.71</td> </tr> </tbody> </table>				Total M/M	Japan	Field	65.31	36.60	28.71												
Total M/M	Japan	Field																					
65.31	36.60	28.71																					
7.OBJECTIVES OF STUDY	Formulation of a master plan for the development of Laem Chabang Area and feasibility analysis of the short-term plan	<p>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</p>																					
8.DATE OF S/W	Sep.1983	<p>12.EXPENDITURE</p> <table border="1"> <thead> <tr> <th></th> <th>Total</th> </tr> </thead> <tbody> <tr> <td></td> <td>255,314 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>181,733</td> </tr> </tbody> </table>					Total		255,314 (¥'000)	Contracted	181,733												
	Total																						
	255,314 (¥'000)																						
Contracted	181,733																						
9.CONULTANT(S)	Nihon Koei Co., Ltd.	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>1) Large impact: employment creation, increased foreign exchange, transfer of technology</p> <p>2) High priority: one of the major projects to be implemented during the 5th development plan</p> <p>3) close linkage with other projects</p> <p>4) Strength of the executing Agency</p>																					
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②④</p>																					

和名 ラムチャバン臨海部開発計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 314/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Entire Bangkok Metropolitan Area														
2.NAME OF STUDY	Track Elevation Project of Existing Railway Lines in the Bangkok Metropolitan Area	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>158,000</td> <td>100,000</td> <td>48,000</td> </tr> <tr> <td>(US\$1=23B)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	158,000	100,000	48,000	(US\$1=23B)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	158,000	100,000	48,000														
(US\$1=23B)																	
3.SECTOR	Transportation/Railway	3.CONTENT OF MAJOR PROJECT(S)	<p>Civil work US\$ 125 million</p> <p>Land procurement US\$ 2000 million</p> <p>Electric facilities US\$ 30.9 million</p> <p>Rolling stock US\$ 68.6 million</p> <p>Track elevation will be mainly carried out in the following sections.</p> <p>-Bangkok Station - Bang Sue Station } -Yoma Pot, Chit-La-Da Junction - Makkasan Station } 13 km -Makkasan Station - Mae Nam Station }</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<p>Feasibility: EIRR1) FIRR1)</p> <p>Yes/No EIRR2) FIRR2)</p> <p>EIRR3) FIRR3)</p> <p>Conditions and Development Impacts:</p> <p>(1) Preconditions</p> <p>1) With/without analysis conducted</p> <p>2) Project life estimated to be 30 years</p> <p>3) 1 baht = 10 yen</p> <p>4) As for the transfer of traffic, only that from buses was considered.</p> <p>(2) Development impacts</p> <p>1) Alleviation of traffic congestion at level crossings owing to track elevation.</p> <p>2) Alleviation of road traffic congestion owing to passengers transferring from buses to the railway due to the latter's punctuality and faster speeds</p> <p>3) Elimination of geographical separation and promotion of urban facilities development owing to track elevation.</p> <p>* Above EIRR is 16 - 20%.</p>														
5.TYPE OF STUDY	F/S	5.technical transfer	<p>(1) OJT: Technical guidance was provided to counterparts on such matters as the preparation of O-D tables.</p> <p>(2) Personnel training: 4 counterparts received training from JICA.</p> <p>(3) Joint preparation of a report: a part of the Progress Report.</p>														
6.COUNTERPART AGENCY	State Railway of Thailand	6.MAJOR REASONS FOR PRESENT STATUS	<p>(FY 1991 Overseas Survey)</p> <p>Due to the Hopewell proposal.</p>														
7.OBJECTIVES OF STUDY	Increasing the efficiency and ensuring the safety of train operation and elimination of traffic congestion at level crossings	7.PRINCIPAL SOURCE OF INFORMATION	<p>①②</p>														
8.DATE OF S/W	Jun.1983	8.IMP. PERIOD	1984-1997														
9.CONSULTANT(S)	Japan Railway Technical Service	9.NO. OF MEMBERS	<p>13</p> <p>Period Aug.1983-Jul.1984 (11 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>53.27</td> <td>36.19</td> <td>17.08</td> </tr> </tbody> </table>			Total M/M	Japan	Field	53.27	36.19	17.08						
Total M/M	Japan	Field															
53.27	36.19	17.08															
10.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological and traffic volume surveys were entrusted to a local consultant	10.MAJOR REASONS FOR PRESENT STATUS	<p>(FY 1991 Overseas Survey)</p> <p>Due to the Hopewell proposal.</p>														
11.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>144,855 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>136,251</td> </tr> </tbody> </table>	Total	144,855 (¥'000)	Contracted	136,251	11.MAJOR REASONS FOR PRESENT STATUS	<p>(FY 1991 Overseas Survey)</p> <p>Due to the Hopewell proposal.</p>										
Total	144,855 (¥'000)																
Contracted	136,251																

和名 バンコク首都圏国鉄高架化計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 313/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	the entire coastal areas														
2.NAME OF STUDY	Comprehensive Development of Coastal Shipping	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>528</td> <td>516</td> <td></td> </tr> <tr> <td>(US\$1=251.1yen)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	528	516		(US\$1=251.1yen)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	528	516															
(US\$1=251.1yen)																	
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENT OF MAJOR PROJECT(S)	<p>1) Present status of physical distribution and selection of major commodities for domestic shipping</p> <p>2) Present status of the domestic shipping industry</p> <p>3) Cargo throughputs and present facilities of regional ports</p> <p>4) Present freight movements by transportation mode and the possibility of transfer from other modes to domestic shipping</p> <p>5) Formulation of a development plan for the domestic shipping industry and regional ports</p> <p>6) Economic and financial analysis of the operations of domestic shipping and regional ports</p>														
4.REFERENCE NO.		<p>(Description)</p> <p>Suspended after the completion of the study.</p> <p>A short-term expert (2 months) was sent in 1985 and 1986 to give advice on the legislation on domestic shipping and its promotion.</p> <p>The project requires the government finance, and the implementation was suspended because some legislative improvement is necessary for reviewing the operation of domestic shipping companies.</p> <p>(FY 1991 Overseas Survey)</p> <p>The Office of the Mercantile Marine Promotion Commission (OMPC) requested the Industrial Finance Corporation (IFCT) of Thailand to negotiate with the OECF for finance, but the attempt was discontinued.</p> <p>The Ministry of Transport and Communications has requested for the JICA project review.</p>															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	Office of the Mercantile Marine Promotion Commission, Ministry of Communications																
7.OBJECTIVES OF STUDY	Formulation of a comprehensive development plan for the coastal shipping and regional ports																
8.DATE OF S/W	Feb.1983	Imp. Period:	Jul.1983-Oct.1984														
9.CONSULTANT(S)	The Maritime International Cooperatin Center of J Overseas Coastal Area Development Institute of Ja	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility:	<table border="1"> <thead> <tr> <th></th> <th>EIRR1</th> <th>19.70</th> <th>FIRR1</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>EIRR2</td> <td></td> <td>FIRR2</td> </tr> <tr> <td></td> <td>EIRR3</td> <td></td> <td>FIRR3</td> </tr> </tbody> </table>			EIRR1	19.70	FIRR1	No	EIRR2		FIRR2		EIRR3		FIRR3
	EIRR1	19.70	FIRR1														
No	EIRR2		FIRR2														
	EIRR3		FIRR3														
10.STUDY TEAM	<p>No.of Members 11</p> <p>Period Jul.1983-Oct.1984(16 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>39.50</td> <td>37.50</td> <td>2.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	39.50	37.50	2.00	<p>Conditions and Development Impacts:</p> <p>1) For the shuttle service between Bangkok and Songkhla, a fleet of 7 general cargo boats (700 tons) will be suitable.</p> <p>2) Institutional measures for domestic shipping: Legislation of the domestic shipping act; clear separation between international and domestic shipping; establishment of the ship registry; introduction of the permit system on ship construction; submission of the operation reports</p> <p>3) Measures for promoting domestic shipping: Preferential treatment by the Investment Promotion Act; Fiscal incentives; simplification of freight documents and improvement of customs procedures; establishment of the institutional finance to give soft long-term loans</p> <p>* Above EIRR is 19.7 - 20.6%.</p>									
Total M/M	Japan	Field															
39.50	37.50	2.00															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>219,015 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>88,824</td> <td></td> </tr> </tbody> </table>		Total	219,015 (¥'000)	Contracted	88,824		<p>1) Change of priority</p> <p>2) Problem of demand: difficulty of providing transportation service with profit.</p> <p>(FY 1991 Overseas Survey)</p> <p>There is no law which empowers the Government to guarantee private loan. The IFCT has the view that the project is not viable.</p>									
	Total	219,015 (¥'000)															
Contracted	88,824																
		5.technical transfer		3.PRINCIPAL SOURCE OF INFORMATION													
		<p>1) OJT on the operation of domestic shipping and ports</p> <p>2) Participation of the counterparts in the JICA training program</p>		①②													

和名 沿岸海運整備振興計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 309/84

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																													
1.COUNTRY	Thailand	1.SITE OR AREA	NakhonRatchasima and Buriram Provinces, northeastern part of Thailand																														
2.NAME OF STUDY	Lower Northeast Medium Scale Irrigation Package Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>58,874</td> <td>28,131</td> <td>30,743</td> </tr> <tr> <td>Price in 1983</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	58,874	28,131	30,743	Price in 1983																			
	Total Cost	Local Cost	Foreign Cost																														
(US\$1,000)	58,874	28,131	30,743																														
Price in 1983																																	
3.SECTOR	Agriculture/General	3.CONTENT(S) OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th></th> <th>Lam Plai Mat</th> <th>Nong Lam Puk</th> <th>Huai Phlu</th> </tr> </thead> <tbody> <tr> <td>Irrigation area</td> <td>9,100</td> <td>300</td> <td>700</td> </tr> <tr> <td>Dam height</td> <td>44.6m</td> <td>12.0m</td> <td>20m</td> </tr> <tr> <td>pondage</td> <td>90 MCM</td> <td>4 MCM</td> <td>6 MCM</td> </tr> <tr> <td>Diversión weir</td> <td>1 site</td> <td>-</td> <td>-</td> </tr> <tr> <td>Canal irrigation</td> <td>215km</td> <td>13km</td> <td>29km</td> </tr> <tr> <td>drainage</td> <td>45km</td> <td>-</td> <td>1km</td> </tr> </tbody> </table>				Lam Plai Mat	Nong Lam Puk	Huai Phlu	Irrigation area	9,100	300	700	Dam height	44.6m	12.0m	20m	pondage	90 MCM	4 MCM	6 MCM	Diversión weir	1 site	-	-	Canal irrigation	215km	13km	29km	drainage	45km	-	1km
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Diversión weir	1 site	-	-																														
Canal irrigation	215km	13km	29km																														
drainage	45km	-	1km																														
4.REFERENCE NO.		<p>(Description)</p> <p>The mid-size dam in Lam Plai Mat was constructed by the Thai Government fund during 1987 - 1991.</p> <p>Small-scale dams in adjustment areas and surrounding dams have been under construction since 1990, with Thai Government funds.</p> <p>(FY 1991 Overseas Survey)</p> <p>No additional information.</p>																															
5.TYPE OF STUDY	F/S																																
6.COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives																																
7.OBJECTIVES OF STUDY	Integrated agricultural development through the construction of a medium-size dam for irrigation and drinking water																																
8.DATE OF S/W	Dec.1982	Imp. Period:																															
9.CONSULTANT(S)	Sanyu Consultants Inc. Naigai Engineering Co., Ltd. Kokusai Kogyo Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1</th> <th>8.70</th> <th>FIRR1</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2</td> <td>11.20</td> <td>FIRR2</td> </tr> <tr> <td></td> <td>EIRR3</td> <td></td> <td>FIRR3</td> </tr> </tbody> </table>			Feasibility:	EIRR1	8.70	FIRR1	Yes	EIRR2	11.20	FIRR2		EIRR3		FIRR3																
Feasibility:	EIRR1	8.70	FIRR1																														
Yes	EIRR2	11.20	FIRR2																														
	EIRR3		FIRR3																														
10.STUDY TEAM	<p>No.of Members 14</p> <p>Period Feb.1983-Jul.1984(25 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>82.10</td> <td>38.31</td> <td>43.79</td> </tr> </tbody> </table>	Total M/M	Japan	Field	82.10	38.31	43.79	<p>Conditions and Development Impacts:</p> <p>Irrigation agriculture development plan: The proposed cropping pattern is 100% of wet season paddy and 10% of dry season upland crop. The terminal irrigation facilities are planned at each 20-30 ha of irrigable area.</p> <p>Water use development plan in a village: Field crop adjustment facilities for night will be established to breed fish as well as to secure farmers' potable water and for other use through surrounding shallow well.</p>																									
Total M/M	Japan	Field																															
82.10	38.31	43.79																															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS																															
		Recently external finance is mainly used for the implementation of big projects, and the Thai Government itself finances small and medium size projects.																															
		3.PRINCIPAL SOURCE OF INFORMATION																															
		①②																															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>240,296 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>223,112</td> <td></td> </tr> </tbody> </table>		Total	240,296 (¥'000)	Contracted	223,112		5.technical transfer																									
	Total	240,296 (¥'000)																															
Contracted	223,112																																

和名 東北タイ南部中規模かんがいパッケージプロジェクト

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

PROJECT SUMMARY (Other)

ASE THA/S 601/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Thailand	1.SITE OR AREA			1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued						
2.NAME OF STUDY	Traffic Safety Plan for Roads	Entire country									
3.SECTOR	Transportation/General	2.PROJECT COST	Total Cost Local Cost Foreign Cost		(Description) Utilizing the guidelines and other suggestions of the study, the Dept. of Highways has been installing necessary traffic-safety facilities. (FY 1991 Overseas Survey) The results of the study have been utilized for a loan application to the World Bank for the Sixth National Economic and Social Development Plan and it was approved.						
4.REFERENCE NO.		(US\$1,000)	1) 2)								
5.TYPE OF STUDY	Other	3.CONTENTS OF MAJOR PROJECT(S)									
6.COUNTERPART AGENCY	Dept. of Highways, Ministry of Communications	In order to promote traffic safety in road transport, the study conducted the following tasks. (1) Collection and analysis of road traffic data (2) Identification of high-risk areas (3) Guidelines of physical facilities (4) Planning of physical facilities (5) Medium- and long-term plan for installing physical facilities									
7.OBJECTIVES OF STUDY		4.CONDITIONS AND DEVELOPMENT IMPACTS									
8.DATE OF S/W	Feb.1983	The effect of technical transfer is much larger than the direct effect of the project.									
9.CONSULTANT(S)	International Engineering Consultants Association Central Consultant, Inc. Chodai Co., Ltd. Pacific Consultants International	5.technical transfer									
10.STUDY TEAM	No.of Members 11 Period May,1983-Dec.1984(19 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>54.50</td> <td>10.50</td> <td>44.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field		54.50	10.50	44.00	2.MAJOR REASONS FOR PRESENT STATUS		
Total M/M	Japan	Field									
54.50	10.50	44.00									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION									
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>332,824 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>142,810</td> </tr> </tbody> </table>		332,824 (¥'000)	Total		Contracted	142,810	1) Participation of the counterparts in the JICA training program 2) Gift of equipment (2 micro-computers)		①②	
	332,824 (¥'000)										
Total											
Contracted	142,810										

和名 道路交通安全計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 206A/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS										
1.COUNTRY	Thailand	1.SITE OR AREA	Eastern Suburban Bangkok (study area of 260 sq.km)		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued									
2.NAME OF STUDY	Master Plan on Flood Protection/Drainage Project in Eastern Suburban-Bangkok	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1= 27 Bahts)</td> <td>2)</td> <td>233,333</td> <td>140,740</td> <td></td> </tr> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost	(US\$1= 27 Bahts)	2)	233,333	140,740
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost										
(US\$1= 27 Bahts)	2)	233,333	140,740											
3.SECTOR	Social Infrastructures/River & Erosion Control	3.CONTENTES OF MAJOR PROJECT(S)	<p>(Description) A feasibility study was subsequently undertaken. (FY 1991 Overseas Survey) No additional information.</p>											
4.REFERENCE NO.		<p>The project aims to protect the area of 260 sq.km from floods coming from outer areas by construction of polder dykes and drain internal storm water by providing adequate drainage facilities. The proposed measures are as follows.</p> <p>(Structural measures) - Polder dyke (62km), gate (55 places), pump station (10 places), channel improvement (133km), drain pipe (110km) (Non-structural measures) - Land use regulation, provision of storm retarding basin, establishment of flood forecasting and warning system</p>												
5.TYPE OF STUDY	M/P+ (F/S)													
6.COUNTERPART AGENCY	Bangkok Metropolitan Administration, Department of Drainage and Sewerage													
7.OBJECTIVES OF STUDY	Drainage	4.CONDITIONS AND DEVELOPMENT IMPACTS	2.MAJOR REASONS FOR PRESENT STATUS											
8.DATE OF S/W	Nov.1982	<p>Flood damage mitigation. The area of 260 sq.km will be completely protected from outer floods and inner storm rainfall will be fully controlled for 5-year probability rainfall. As a resuot, flood damage reduction on the buildings, properties, traffic, electricity and telecommunication, and land use enhancement are much expected.</p>												
9.CONSULTANT(S)	Pacific Consultants International Tokyo Engineering Consultants Co., Ltd.		5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION ①②										
10.STUDY TEAM	<p>No.of Members 12 Period May.1983-Feb.1986(32 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>115.00</td> <td>60.50</td> <td>54.50</td> </tr> </tbody> </table>	Total M/M					Japan	Field	115.00	60.50	54.50			
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11.ASSOCIATED AND/OR SUBCONTRACTED STUDY														
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>487,871 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>331,729</td> <td></td> </tr> </tbody> </table>		Total	487,871 (¥'000)	Contracted	331,729								
	Total	487,871 (¥'000)												
Contracted	331,729													

和名 バンコク市都市排水対策計画

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

PROJECT SUMMARY (M/P+F/S)

ASE THA/S 206B/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Thailand	1.SITE OR AREA	East suburban area of Bangkok (Study area of 100 sq.km)																		
2.NAME OF STUDY	Master Plan on Flood Protection/Drainage Project in Eastern Suburban-Bangkok	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>98,333</td> <td>51,630</td> <td>46,703</td> </tr> <tr> <td>2) (US\$1= 27 Bahts)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	98,333	51,630	46,703	2) (US\$1= 27 Bahts)				3)			
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3)																					
3.SECTOR	Social Infrastructures/River & Erosion Control	3.CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Facilities</th> <th>Scale</th> </tr> </thead> <tbody> <tr> <td>Dyke(Barrier)</td> <td>5.1 km</td> </tr> <tr> <td>Sluice gate</td> <td>4 places</td> </tr> <tr> <td>Pumping Station</td> <td>5 stations(36 cu.m/s)</td> </tr> <tr> <td>Klong improvement</td> <td>93 km</td> </tr> <tr> <td>Main drain improvement</td> <td>4.3 km</td> </tr> <tr> <td>Flood control operation center</td> <td>1 set</td> </tr> </tbody> </table>			Facilities	Scale	Dyke(Barrier)	5.1 km	Sluice gate	4 places	Pumping Station	5 stations(36 cu.m/s)	Klong improvement	93 km	Main drain improvement	4.3 km	Flood control operation center	1 set		
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Main drain improvement	4.3 km																				
Flood control operation center	1 set																				
4.REFERENCE NO.		(Description) After the completion of the F/S, 59 pumps were provided by the Japanese grant aid. The construction of the Flood Control Operation Center was completed in Mar. 1991 by the Japanese grant. (FY 1991 Overseas Survey) No additional information.																			
5.TYPE OF STUDY	(M/P) +F/S																				
6.COUNTERPART AGENCY	Dept.of Drainage and Sewerage, Bangkok Metropolitan Administration																				
7.OBJECTIVES OF STUDY	To evaluate the feasibility of building the drainage facilities																				
8.DATE OF S/W	Nov.1982	Imp. Period:	Apr.1987-Mar.1992																		
9.CONSULTANT(S)	Pacific Consultants International Tokyo Engineering Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1</th> <th>20.20</th> <th>FIRR1</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1	20.20	FIRR1	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)				
Feasibility:	EIRR1	20.20	FIRR1																		
Yes	EIRR2)		FIRR2)																		
	EIRR3)		FIRR3)																		
10.STUDY TEAM	No.of Members 12 Period May.1983-Feb.1986(32 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>115.00</td> <td>60.50</td> <td>54.50</td> </tr> </tbody> </table>	Total M/M	Japan	Field	115.00	60.50	54.50	Conditions and Development Impacts: Drainage facilities are to be improved based on the result of floods which occurred in 1983. It used to take 2 or 3 months to recover. But now it takes only 3 days to 1 week. The development impact is great.													
Total M/M	Japan	Field																			
115.00	60.50	54.50																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey																				
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>487,871 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>331,729</td> </tr> </tbody> </table>		487,871 (¥'000)	Total		Contracted	331,729	5.TECHNICAL TRANSFER	Technical advice on flood control operation, drainage facilities management/operation. Overseas training for counterpart staff.												
	487,871 (¥'000)																				
Total																					
Contracted	331,729																				
		2.MAJOR REASONS FOR PRESENT STATUS																			
		3.PRINCIPAL SOURCE OF INFORMATION																			
		①②																			

和名 バンコク市都市排水対策計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 316/85

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	10 towns and villages in the North-Eastern region of Thailand														
2.NAME OF STUDY	Sanitary District Water Works Project in the North - Eastern Region	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>6,463</td> <td>3,080</td> <td>3,383</td> </tr> <tr> <td>(US\$1=27.0B)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	6,463	3,080	3,383	(US\$1=27.0B)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	6,463	3,080	3,383														
(US\$1=27.0B)																	
3.SECTOR	Public Utilities/Water Supply	3.CONTENTS OF MAJOR PROJECT(S)	<p>Intake Facility Water Filtration Facility 50 - 100 cu.m/h (Temporary Well, Coagulation Pond, Depositing Reservoir, Filter Bed, etc) Distribution Facility Distribution Pond Max. Daily Capacity: 6H Overhead Tanks Capacity : 2H Pumps Distribution Network</p>														
4.REFERENCE NO.		<p>(Description) The project implementation for each sanitary district may be commenced with the government budgets. (FY 1991 Overseas Survey) No additional information.</p>															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	Department of Public Works, (DPW) Ministry of Interior																
7.OBJECTIVES OF STUDY	Stable supply of clear water to the area.																
8.DATE OF S/W	Jul.1984	Imp. Period:	Oct.1986-May.1989														
9.CONSULTANT(S)	Sanyu Consultants Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes	EIRR2)	FIRR2)		EIRR3)	FIRR3)			
Feasibility:	EIRR1)	FIRR1)															
Yes	EIRR2)	FIRR2)															
	EIRR3)	FIRR3)															
10.STUDY TEAM	<p>No.of Members 5 Period Oct.1984-Feb.1986(16.5 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>48.60</td> <td>22.50</td> <td>26.10</td> </tr> </tbody> </table>	Total M/M	Japan	Field	48.60	22.50	26.10	<p>Conditions and Development Impacts: As preconditions, samples of F/S were conducted in 10 districts. Development Impacts: Since the construction and development of the water works is to be conducted in the town where the provincial office is, the execution and benefit from this kind of project exerts much influence not only on the town but on surrounding districts. * Above FIRR is 6 - 8%.</p>									
Total M/M	Japan	Field															
48.60	22.50	26.10															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	Acceptance of 2 trainees from the local counterpart														
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>134,763 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>126,639</td> </tr> </tbody> </table>			Total	134,763 (¥'000)	Contracted	126,639	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>The project is executed by the respective sanitary district organization.</p>									
Total	134,763 (¥'000)																
Contracted	126,639																
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>															

和名 東北タイ地方水道施設緊急整備計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 317/85

Compiled Mar.1988
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Northeastern Region														
2.NAME OF STUDY	Road Development in the North - Eastern Region (Phase 2)	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>42,155</td> <td></td> <td></td> </tr> <tr> <td>(US\$1=20B)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	42,155			(US\$1=20B)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	42,155																
(US\$1=20B)																	
3.SECTOR	Transportation/Road	3.CONTENT OF MAJOR PROJECT(S)	<p>(1) New construction and improvement Total 502.1km: 1)A. Khong - J.R.2180 46.8km; 2)A. Chonnabot - B. Dong Han 24.0km; 3)A. Nam Phong - B. Nong Tum 28.0km; 4)B. Lao(J.R.210) - B. Tha Yom 40.7km; 5)B. Huai Koeng - A. Kumphawapi 14.2km; 6) A. Nong Han - A. Kumphawapi 34.3km; 7)A. Sawang Daen Din - A. Song Dao 19.1km; 8)A. Selaphum - B. Kham Phon Sung 46.3km; 9)B. Na Suang - B. Na. Yia 13.6km; 10)A. Maha Chana Chai - A. Kho Wang 24.5km; 11)B. Som Poi Noi - B. Muang Mak 28.4km; 12)A. Chom Phra - B. Nong Khawao 31.1km; 13)A. Parakhon Chai - A. Krasang 47.1km; 14)B. Nong Pha Ong - A. Nong Ki 52.6km; 15)A. Si Khui(J.R.2) - A. Chok Chai 51.4km. (2) Rehabilitation 8 routes (90km) 16)A. Sikhui - A. Dan Khun Thot 19km; 17)A. Prathai - A. Khok Chik 10km 18)A. Kalasin - B. Lum Chai 10km; 19)A. Pak Thong Chai - J.R.2 13km 20)B. Nam Kong - A. Si That 8km; 21)A. Chokchai - A. Khonburi 10km 22)B. Wat - A. Kong 10km; 23)Nakhon Ratchasima - A. Chokchai 10km The total project cost is 1,839.22 million bahts. * The project cost 1)above is the economic construction costs of improvement and New Construction Routes.</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes	EIRR2)	FIRR2)		EIRR3)	FIRR3)			
Feasibility:	EIRR1)	FIRR1)															
Yes	EIRR2)	FIRR2)															
	EIRR3)	FIRR3)															
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts: Direct effects: 1) Decrease of transportation costs to road users 2) Increase of value added of agricultural produce 3) Saving of road maintenance costs Social impacts: 1) Improved access to administrative services 2) Improvement of educational standards 3) Improvement of medical services 4) Narrowing of income disparities * Five sections with higher EIRRs are 2)22.2%, 15)19.7%, 13)17.1%, 8)15.7%.</p>															
6.COUNTERPART AGENCY	Dept. of Highways, Ministry of Communications	<p>1988 Nov. OECF loan agreement (4,085 million yen), of which 1,008 million was for the construction and improvement of 7 routes (235.1km) of the Northeastern Region. 1990 Apr. Construction started The rest of new construction and improvement and rehabilitation are to be financed by the World Bank and own fund (part of the work is already under way). (FY 1991 Overseas Survey) IBRD Loan: L/A in 1990. US\$100 million. Construction: 1988-1994 (FY 1992 Overseas Survey) For this project, OECF loan (472.51 million bahts), World Bank loan (406.48 million bahts) and DOH budget (425.04 million bahts) were appropriated.</p>															
7.OBJECTIVES OF STUDY	Feasibility analysis of new construction, improvement and rehabilitation of roads	2.MAJOR REASONS FOR PRESENT STATUS															
8.DATE OF S/W	Mar.1984	3.PRINCIPAL SOURCE OF INFORMATION															
9.CONSULTANT(S)	Katahira & Engineers International Nihon Koei Co., Ltd.	<p>1) OJT; 2) Participation of the counterparts in the JICA training program; 3) Employment of local consultants; 4) Gift of equipment and technical guidance</p>															
10.STUDY TEAM	<p>No. of Members 12 Period Jun.1984-Jul.1985 (11 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>57.56</td> <td>5.00</td> <td>52.56</td> </tr> </tbody> </table>	Total M/M	Japan	Field	57.56	5.00	52.56	<p>5. TECHNICAL TRANSFER</p>									
Total M/M	Japan	Field															
57.56	5.00	52.56															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<p>12. EXPENDITURE</p> <table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td>(¥'000)</td> <td>194,238</td> <td>183,479</td> </tr> </tbody> </table>					Total	Contracted	(¥'000)	194,238	183,479						
	Total	Contracted															
(¥'000)	194,238	183,479															

和名 東北部道路網整備計画 (フェイズII)

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

PROJECT SUMMARY (F/S)

ASE THA/S 315/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Thailand	1.SITE OR AREA	Laem Chabang																	
2.NAME OF STUDY	Establishment of a Large Repair Shipyard	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>40,000</td> <td>15,000</td> <td>25,000</td> </tr> <tr> <td>(US\$1=169.40Yen)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	40,000	15,000	25,000	(US\$1=169.40Yen)						
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	40,000	15,000	25,000																	
(US\$1=169.40Yen)																				
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTES OF MAJOR PROJECT(S)	<p>- Dry dock 175m x 28m x d.11.1m</p> <p>- Area of 300m x 300m = 90,000 sq.m by reclaiming for ship repairing</p> <p>- Quay length = 150m</p>																	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>11.40</th> <th>FIRR1)</th> <th>5.80</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table> <p>Conditions and Development Impacts: The growth rate of the cargo carried by the Thai shipping companies(which has a share of 10% of the total transportation volume) was estimated on the bases of growth of GDP and international trade. The scale of the shipyard was then determined by evaluating the types of ships used and the nature of repair work needed. Development effects will be substantial, because the existing capacity of the domestic repair yards is considerably short of the demand.</p>			Feasibility:	EIRR1)	11.40	FIRR1)	5.80	Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)					11.40	FIRR1)	5.80												
Yes	EIRR2)						FIRR2)													
	EIRR3)						FIRR3)													
5.TYPE OF STUDY	F/S																			
6.COUNTERPART AGENCY	Board of Investment																			
7.OBJECTIVES OF STUDY	Feasibility analysis of a repair shipyard	8.DATE OF S/W	Oct.1982	<p>(Description)</p> <p>Suspended after the completion of the study because of the low feasibility.</p> <p>The Government has been encouraging the private sector investment. JICA conducted a M/P study on the shipbuilding industry, and reviewed the proposal of the study.</p> <p>Private shipping companies organized a joint venture0 and are going to invest in shipyard facilities by leasing the site from the Port Authority of Thailand.</p> <p>(FY 1991 Overseas Survey)</p> <p>No additional information.</p>																
10.STUDY TEAM	<p>No.of Members 9</p> <p>Period Jul.1984-May.1985 (11 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>51.00</td> <td>28.00</td> <td>23.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	51.00	28.00	23.00	9.CONSULTANT(S)	Overseas Ships Building Cooperation Center	2.MAJOR REASONS FOR PRESENT STATUS										
Total M/M	Japan	Field																		
51.00	28.00	23.00																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>146,390 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>158,523</td> </tr> </tbody> </table>			Total	146,390 (¥'000)	Contracted	158,523	3.PRINCIPAL SOURCE OF INFORMATION										
Total	146,390 (¥'000)																			
Contracted	158,523																			
		5.technical transfer		①②																

和名 船舶修理ヤード建設計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 310/85

Compiled Mar. 1990
Revised Mar. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Thailand	1. SITE OR AREA	Whole country			1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Implementing <input type="radio"/> Processing	
2. NAME OF STUDY	Comprehensive Storage Facilities Development Project (Phase II)	2. PROJECT COST	Total Cost Local Cost Foreign Cost			<input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Discontinued or Cancelled	(Description) In 1986, Thai government drastically revised the rice marketing policy and abolished the conventional government procurement at support prices. As a result, the operational scale of Public Warehouse Organization (PWO) was radically reduced. On the other hand, the government has been implementing the development of the port at Laem Chabang and planned to construct integrated facilities for collecting, processing and exporting agricultural products in the area behind the port. The government at one time considered the possibility of including the loading facilities for export rice in the area, but the idea did not materialize. The rice exports have long been made from the river ports in Bangkok city, and the construction of modern facilities are underway by private companies. The exports of Thai rice reached 5.7 million tons in 1989. Further rationalization of rice marketing and modernization of marketing facilities are strongly desired by both the government and private organization. (FY 1991 Overseas Survey) No additional information.	
3. SECTOR	Agriculture/General	2. PROJECT COST	(US\$1,000) US\$1=202.83Yen in Dec.1984					
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	1) Warehouse construction: State level - 10 sites Local level - 5 sites Seaport Warehouse - 1 site at Laem Chabang 2) Improvement on processing and loading facilities for shipping exportable rice: River port - 2 sites (Nonthaburi, Rajburana) Deep sea port - 1 site (Laem Chabang) 3) Grain reprocessing facility: 6 sites 4) Storage technology improvement and training center construction: 1 site (Nonthaburi)					
5. TYPE OF STUDY	F/S	* Project costs above are in Dec.1984 prices.						
6. COUNTERPART AGENCY	Public Warehouse Organization (PWO)							
7. OBJECTIVES OF STUDY								
8. DATE OF S/W	Dec.1983	Imp. Period:						
9. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd. Sanyu Consultants Inc.	4. FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) EIRR2) EIRR3)	12.00 13.10	FIRR1) FIRR2) FIRR3)		
10. STUDY TEAM	No. of Members 11 Period Feb.1984-Jun.1985 (7 months)	Conditions and Development Impacts: Conditions: 1. Recruiting and training of personnel; 2. Proper management and control; 3. R&D by Cooperation with other organization. Development Impacts: 1. Expansion of public activities by PWO; 2. Support government rice price policies and materialize long-term stabilization of producers' paddy price and consumers' milled rice price; 3. Improvement and rationalization of rice marketing by expanding and improving facilities/warehouses at rice markets; 4. Continued Sales to existing markets and developing new markets by improving export rice quality and expanding shipping facilities and capacities for loading onto a large sized ocean-going vessels; 5. Reducing losses during storage; 6. Support the activities of public organizations such as agricultural cooperatives, BAAC, etc. by offering them the use of Warehouse; 7. Providing services for marketing other agricultural products by offering the use of seasonal empty space and the auxiliary facilities of the warehouse. * Above EIRRs are 1) for River port and 2) for Sea port.					2. MAJOR REASONS FOR PRESENT STATUS	The government policy is in principle to let the rice marketing in the hands of the private sector, including investments in the related facilities.
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY							3. PRINCIPAL SOURCE OF INFORMATION	
12. EXPENDITURE		5. TECHNICAL TRANSFER					①②	
Total 122,940 (¥'000)								
Contracted 114,782								

和名 穀物貯蔵施設整備拡充計画 (Phase II)

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

PROJECT SUMMARY (F/S)

Compiled Mar.1990
Revised Mar.1993

ASE THA/A 311/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA	Sakae Krang River Basin(6,300 sq.km)		1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Sakae Krang River Basin Irrigation Project	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 107,226 35,144 72,082 US\$1=27B 2) 3)		
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	Mae Wong irrigation scheme was selected as a result of M/P and Pre-F/S. 1.Irrigation area : 46,700ha 2.Water source : Mae Wong river 3.Upper Mae Wong dam : Rock-fill type Height 57m, Crest Length 794m 4.Irrigation Facilities: Intake weir 2 sites Main canal 76.7 km Secondary canal 285.2 km Drainage canal 204.2 km * Implementation period below is 7 years.		
4.REFERENCE NO.		5.TYPE OF STUDY	F/S		(Description) An environmental impact assessment study was undertaken by RID for earlier implementation of the project. (FY 1991 Overseas Survey) No additional information.
6.COUNTERPART AGENCY	RID (Royal Irrigation Department), Ministry of Agriculture and Cooperatives				
7.OBJECTIVES OF STUDY	Irrigation of Sakae Krang River Basin Pre-F/S and M/P				
8.DATE OF S/W	Jul.1984		Imp. Period:		
9.CONSULTANT(S)	Nihon Koei Co., Ltd. kyowa Engineering Consultants Co., Ltd. Nippon Giken Inc.		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1 13.00 FIRR1 EIRR2 FIRR2 EIRR3 FIRR3
10.STUDY TEAM	No.of Members 16 Period Sep.1984-Mar.1986(19 months) Total M/M Japan Field 90.27 35.22 55.05		Conditions and Development Impacts: 1.Increase of crop production 2.Improvement of living standard and welfare 3.Improvement of cropping productivity in the dry season		2.MAJOR REASONS FOR PRESENT STATUS
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY			5.technical transfer		
12.EXPENDITURE	Total 257,848 (¥'000) Contracted 246,885		Technology transfer to counterpart in the course of the study.		3.PRINCIPAL SOURCE OF INFORMATION
					①②

和名 サカエクラシ川流域灌漑計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 318/86

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Coastal routes of Thailand , 43 routes														
2.NAME OF STUDY	Dredging Plant Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>9,666</td> <td>2,730</td> <td></td> </tr> <tr> <td>(US\$1= 27 Bahts)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	9,666	2,730		(US\$1= 27 Bahts)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	9,666	2,730															
(US\$1= 27 Bahts)																	
3.SECTOR	Transportation/Port	3.CONTENT(S) OF MAJOR PROJECT(S)	Mechanical center slipways 165 m X 1 Training hopper dredging boat 1 (Hopper Volume:100 cu.m)														
4.REFERENCE NO.		(Description) Suspended after the completion of F/S due to the lack of fund. F/S must be reviewed, because the exchange rate has changed since the last F/S. (FY 1991 Overseas Survey) No additional information.															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	Harbour Department, Ministry of Transport and Communication																
7.OBJECTIVES OF STUDY	Frame of long-range dredging plan target in 2000 and development plan including improvement and maintenance of facilities.																
8.DATE OF S/W	Feb.1985	Imp. Period:	Apr.1988-Mar.1991														
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Ja	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 12.20 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)												
10.STUDY TEAM	No.of Members 8 Period May.1985-Jun.1986(14 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>49.47</td> <td>18.17</td> <td>31.30</td> </tr> </tbody> </table>	Total M/M	Japan	Field	49.47	18.17	31.30	Conditions and Development Impacts: Comparison of the proposed project under two conditions: with case and without case. Cost and benefit is shown with cost of 1985 (1 baht = 9.01 yen) As the effect of development, improvement of the dredging capability, possibility of the effective maintenance and repair of the dredging boat, and possibility of the development for the community are given.									
Total M/M	Japan	Field															
49.47	18.17	31.30															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>133,282 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>119,922</td> </tr> </tbody> </table>			Total	133,282 (¥'000)	Contracted	119,922	The business training was carried out at some Japanese important port, Port and Harbour Research Institute, and some shipyard,etc.			3.PRINCIPAL SOURCE OF INFORMATION						
Total	133,282 (¥'000)																
Contracted	119,922																
					①②												
					2.MAJOR REASONS FOR PRESENT STATUS												
					Delay due to the ceiling on the government budget												

和名 港湾浚渫船隊整備計画

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

PROJECT SUMMARY (F/S)

ASE THA/A 312/86

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Thailand	1.SITE OR AREA	Bang Nara River Basin of Nava Tik Province in Southern Thailand														
2.NAME OF STUDY	Bang Nara Irrigation and Drainage Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>25,240,000</td> <td>10,320,000</td> <td>14,920,000</td> </tr> <tr> <td>(US\$1=20Bahts in 1985)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	25,240,000	10,320,000	14,920,000	(US\$1=20Bahts in 1985)			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	25,240,000	10,320,000	14,920,000														
(US\$1=20Bahts in 1985)																	
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<ul style="list-style-type: none"> - To construct tidal gates both in Nara Tik side and Taqbai side of Bang Nara River - Pumping irrigation by utilizing planned reservoir with 9 pumping stations - Rehabilitation of drainage rivers flowing into Bang Nara River - To install 6 check gates to control acid water 														
4.REFERENCE NO.		<p>(Description)</p> <p>The proposed project was implemented by Japanese grand aid.</p> <p>Feb. 1988 E/N signed for D/D (94 million yen)</p> <p>Feb. - Jun. 1988 Detailed design undertaken</p> <p>Oct. 1988 Construction started</p> <p>Sep. 1988 E/N signed (888 million yen)</p> <p>Jul. 1989 E/N signed (2,604 million yen)</p> <p>Jun. 1990 E/N signed (375 million yen)</p> <p>Nov. 1990 Construction completed</p> <p>(FY 1991 Overseas Survey)</p> <p>The total Japanese grant aid amounted to 3,867 million yen.</p> <p>There were minor changes in the location of fixed pumping stations owing to the land acquisition problems.</p>															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	RID (Royal Irrigation Department)																
7.OBJECTIVES OF STUDY																	
8.DATE OF S/W	Jul.1984	Imp. Period:															
9.CONSULTANT(S)	Sanyu Consultants Inc. Japan Engineering Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 10.20 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)												
10.STUDY TEAM	<p>No.of Members 12</p> <p>Period May.1985-Jan.1987 (21 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>106.23</td> <td>42.55</td> <td>63.68</td> </tr> </tbody> </table>	Total M/M	Japan	Field	106.23	42.55	63.68	<p>Conditions and Development Impacts:</p> <p>The beneficial area:</p> <ul style="list-style-type: none"> - by pumping irrigation for existing paddy fields, 9,100 ha - by rehabilitation of river, 5,280 ha for paddy fields and 6,210ha for rubber fields <p>The main purpose of the project is to utilize Bang Nara water resources for irrigation and to control the flood in rainy season.</p>									
Total M/M	Japan	Field															
106.23	42.55	63.68															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>293,737 (¥'000)</td> <td>271,828</td> </tr> </tbody> </table>		Total	Contracted		293,737 (¥'000)	271,828	3.PRINCIPAL SOURCE OF INFORMATION									
	Total	Contracted															
	293,737 (¥'000)	271,828															
		①②															

和名 バンナラ川かんがい排水計画

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

PROJECT SUMMARY (Other)

ASE THA/S 602/86

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS				
1.COUNTRY	Thailand	1.SITE OR AREA	Bangkok Metropolitan Area		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued			
2.NAME OF STUDY	Road Improvement, Rehabilitation and Traffic Safety in Bangkok	2.PROJECT COST	(US\$1,000) Total Cost Local Cost Foreign Cost 1) 2)					
3.SECTOR	Transportation/General	3.CONTENTES OF MAJOR PROJECT(S)	(Description) Many traffic safety projects were carried out along with the guideline and designs by Thai government budget and they are now in sound operation. Construction project of Rama IV continuous grade separation bridge is now under construction by Japanese grant aid.					
4.REFERENCE NO.		The study compiled basic information on traffic safety planning and recommended some road improvements. -Continuous grade separation -Intersection improvement -Pavement improvement -Busstop improvement -Pedestrian path -Median -Traffic sign -Pedestrian crossing bridge among others. -Guard fence -Safety island -Traffic signal -Road marking						
5.TYPE OF STUDY	Other							
6.COUNTERPART AGENCY	Bangkok Metropolitan Administration							
7.OBJECTIVES OF STUDY	Policy recommendations on traffic safety measures	4.CONDITIONS AND DEVELOPMENT IMPACTS	2.MAJOR REASONS FOR PRESENT STATUS					
8.DATE OF S/W	Mar.1985	The study results will contribute to the planning process on traffic safety measures, road improvement and pavement repairs. Small scale improvement engineering for traffic safety was efficiently transferred through proposing an engineering guideline and actual design on each actual spot, and carrying out of model project simultaneously.						
9.CONSULTANT(S)	International Engineering Consultants Association		10.STUDY TEAM	3.PRINCIPAL SOURCE OF INFORMATION				
No.of Members 29 Period Jun.1985-Mar.1987 (22 months) <table border="1"> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td></td> <td>7.01</td> <td>143.93</td> </tr> </table>		Total M/M	Japan				Field	
Total M/M	Japan	Field						
	7.01	143.93						
12.EXPENDITURE		5.technical transfer	①					
<table border="1"> <tr> <td>Total</td> <td>412,771 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>4,182</td> </tr> </table>		Total				412,771 (¥000)	Contracted	4,182
Total	412,771 (¥000)							
Contracted	4,182							

和名 バンコク首都圏庁バンコク市道路改良・交通安全計画

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

PROJECT SUMMARY (M/P)

ASE THA/A 102/87

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Thailand	1.SITE OR AREA	An Area of 20,000sq.km extended over Kanchanaburi Province and other 4 provinces in the western part of the Central Plain Region		1.PRESENT STATUS						
2.NAME OF STUDY	Aerial Photography and Forest Management Plan in the Encroached National Reserve Forest	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div> <div>1)</div> <div>2)</div> </div> </div> <div>Total Cost Local Cost Foreign Cost</div>		<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued						
3.SECTOR	Forestry/Forestry & Forest Conservation	3.CONTENTES OF MAJOR PROJECT(S)	(Description) In order to prepare a project based on the proposed plans, the Royal Forest Department has been ironing out the handling of the existing projects by itself. The proposed plans contain various types of projects. Therefore Japan will be needed for supporting to prepare a project by conducting a follow-up survey and/or an experimental project. (FY1992 Overseas Survey) Waiting for the answer.								
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	The above mentioned plans will improve forests for timber supply, National Park and forests for soil and water conservation so that deforestation will be reduced. And the Forest Village plan will enhance the settlements of farmers who live in the encroached National Reserve Forest. It is necessary to improve the road networks and develop researches of tree growth. When dealing with the proposed plan of a forest village in the model area, the authorities concerned need to iron out the handling of the settlement with the persons concerned.								
5.TYPE OF STUDY	M/P	10.STUDY TEAM	2.MAJOR REASONS FOR PRESENT STATUS								
6.COUNTERPART AGENCY	Royal Forestry Department, Ministry of Agriculture and Cooperatives	No.of Members 19 Period Oct.1985-Mar.1988(31 months) <table> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>160.00</td> <td>90.00</td> <td>70.00</td> </tr> </table>	Total M/M	Japan	Field	160.00	90.00	70.00	A comprehensive project including the forestry, the agriculture and the irrigation is prior to the proposed project.		
Total M/M	Japan	Field									
160.00	90.00	70.00									
7.OBJECTIVES OF STUDY	This forest management plan is formulated in order to restore the function which the forest had originally had in the area of the degraded national reserve forest.	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	3.PRINCIPAL SOURCE OF INFORMATION								
8.DATE OF S/W	Jul.1985	12.EXPENDITURE	①②								
9.CONSULTANT(S)	Japan Forest Technical Association Kokusai Kogyo Co., Ltd.	Total 450,604 (¥'000) Contracted 434,600	1.To Accept the trainees out of counterparts: 2.To conduct jointly field works such as a forest inventory survey, a soil survey and a survey on the Forest Villages and Tropical Farming : 3.To practice works on preparation of the topographic map : 4.To								

和名 国有林管理計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 319/87

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Thailand	1.SITE OR AREA	New Krung Thep Bridge: downstream side of existing Krung Thep Bridge over Chao Phraya River Thon Buri Road: between Middle and Outer Ring Roads, Thon Buri Area.		
2.NAME OF STUDY	New Krungthep Bridge Construction and Thonburi Road Extension	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost
		(US\$1,000)	1)		
		(US\$1=153Yen)	2)		
			3)		
3.SECTOR	Transportation/Road	3.CONTENTS OF MAJOR PROJECT(S)			
4.REFERENCE NO.		(1) New Krungthep Bridge			
5.TYPE OF STUDY	F/S	Main Bridge: 4-span continuous PC Box of 476m length (125m+226m+125m). Navigational clearance in center of 34m in height and 60 in width.			
6.COUNTERPART AGENCY	Public Works Department	Approach Bridge 770m 599m Interchange 131m 120m Rampway 400m 480m The project cost is 1,885 million bahts.			
7.OBJECTIVES OF STUDY	Construction of PC bridge	(2) Thoribori Road Extension 1st Stage Construction Target year of opening: 1991, construction of a L-shaped bypass of 3.3km 2nd Stage Construction Target year of opening: 1995, construction of a connector with ORR 6.5km The project cost is 2,469 million bahts.			
8.DATE OF S/W	Nov.1985	Imp. Period: Oct.1988-Oct.1995			
9.CONSULTANT(S)	Nihon Koei Co., Ltd. Central Consultant, Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 20.00 EIRR2) 41.00 EIRR3)	FIRR1) FIRR2) FIRR3)
10.STUDY TEAM	No. of Members 10 Period Feb.1986-Jun.1987 (17 months) Total M/M Japan Field 39.73 1.73 38.00	Conditions and Development Impacts: [Conditions] 1) Construction Period: 36 months (opening of FY1991) 2) Construction costs were estimated based on interviews with Japanese-affiliated construction companies: 1885 mil. Bahts (35% foreign fund) for New Krungthep bridge, and 2469 mil. Bahts (26% foreign fund) for Thoribori Road Extension. [Development Impacts] 1) Solving the problem of traffic jams in the Krungthep Bridge - Thoribori Road area. Improvement of traffic conditions on the circular roads running through Bangkok without adverse effects on river traffics. 2) Facilitating the Krungthep Bridge - Thoribori Road area's turning into a major residential area for Greater Bangkok. 3) Facilitating the diffusion of the development of Greater Bangkok area to West Chaobaya area with the Thoribori Road as the center.			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER			
12.EXPENDITURE	Total 142,329 (¥'000) Contracted 129,651	(1) Two counterpart were invited to Japan for training (2) Use of local consultants			
		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="radio"/> Processing		
		(Description)	The D/D was completed with PWD's finance for yen credit application. (1) Krung Thep Bridge: Detailed design made by Norcon (Norway) and Thai consultants. (2) Thon Buri Road: Detailed design of the first section (3.5km) completed under a local tender. (FY 1991 Overseas Survey) Construction period: 1994 - 1996. (FY 1992 Overseas Survey) The project is included in the 6th and 7th National Economic and Social Development Plan and its priority is high. Thai cabinet approved the construction of New Krungthep Bridge in August 1987. Application for yen credit will be done through the Ministry of Finance. The project will be completed in 1995.		
		2.MAJOR REASONS FOR PRESENT STATUS	(1) Aging of the existing Krung Thep Bridge (2) Strong support by Public Works Dept.		
		3.PRINCIPAL SOURCE OF INFORMATION	①②③		

和名 新クルンテップ橋及びトンブリ道路延伸計画

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

PROJECT SUMMARY (F/S)

ASE THA/S 320/87

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Thailand	1.SITE OR AREA	Bangkok, Mae Noni, Bang Sue, and Hat Yai Stations																		
2.NAME OF STUDY	Railway Yards Improvement	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>13,357</td> <td>7,557</td> <td>5,800</td> </tr> <tr> <td>2) (US\$1=26,455B)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	13,357	7,557	5,800	2) (US\$1=26,455B)				3)			
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	13,357	7,557	5,800																		
2) (US\$1=26,455B)																					
3)																					
3.SECTOR	Transportation/Railway	3.CONTENTIS OF MAJOR PROJECT(S)	<p>Improvement of yard facilities (passenger facilities, freight facilities, track facilities, electric facilities, signalling and telecommunications facilities):</p> <p>Bangkok: 1. Additional construction of two arrival tracks for strengthening capacity of arrival tracks; 2. Modification of two departure tracks into arrival/ departure tracks for strengthening capacity of arrival/ departure tracks; 3. Additional construction of one arrival track for strengthening capacity of departure tracks.</p> <p>4. Extension of effective length of the passenger car yard for strengthening capacity for passenger car; 5. Extension of effective length of tracks for DRC (diesel railcar) storage; 6. Modification of locations of signal erection and improvement of interlocking devices for ensuring train safety.</p> <p>Mae Nam: 1. New construction of two sorting tracks for freight cars in a place about 4 km away from the origin of the Bangkok Port Line; 2. New construction of a shortcut line between Mae Nam Station and the Bangkok Port Line; 3. Additional construction of one sorting track and extension of effective length of tracks for strengthening capacity for empty car storage.</p> <p>Bang Sue: 1. New construction of two arrival/departure tracks in the freight station for dealing with direct transport between freight stations; 2. Improvement of signalling facilities entailed by track improvement (erection of signals, etc.)</p> <p>Hat Yai: 1. Modification of track layout for eliminating the concurrence of freight car shunting and handling of incoming and outgoing freight trains; 2. Additional construction of three sorting tracks for strengthening capacity for freight car sorting; 3. Additional construction of two storage tracks for passenger cars for</p>																		
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>18.29</th> <th>FIRR1)</th> <th>19.72</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1)	18.29	FIRR1)	19.72	Yes	EIRR2)		FIRR2)			EIRR3)		FIRR3)		
Feasibility:	EIRR1)	18.29	FIRR1)	19.72																	
Yes	EIRR2)		FIRR2)																		
	EIRR3)		FIRR3)																		
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>(1) Preconditions for IRR calculation</p> <p>1. Traffic volume is forecasted for the years 1991, 1996, and 2006.</p> <p>2. Of the yards taken up in the study, four high-priority yards are to be improved by 1991.</p> <p>(2) Development impacts</p> <p>1. Improvement of yards with bottlenecks will increase passenger traffic.</p> <p>2. Improvement of yard functions will lead to efficient transport and a reduction in transport cost.</p>																			
6.COUNTERPART AGENCY	State Railway of Thailand	<p>Imp. Period: Jan.1987-Dec.1991</p>																			
7.OBJECTIVES OF STUDY	Preparation of a basic improvement plan for 10 years with a target year of 2006 F/S for several high-priority yards with a target year of 1996	<p>(FY 1991 Overseas Survey)</p> <p>The project is integrated in the SRT Investment Program and the construction will be completed in 1993.</p> <p>(FY 1992 Overseas Survey)</p> <p>Waiting for the answer.</p>																			
8.DATE OF S/W	Aug.1985	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>																			
9.CONSULTANT(S)	Japan Railway Technical Service Pacific Consultants International The Japan Electrical Consulting Co., Ltd.	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>																			
10.STUDY TEAM	<p>No.of Members 13</p> <p>Period Dec.1985-Jun.1987(19 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>98.86</td> <td>61.11</td> <td>37.75</td> </tr> </tbody> </table>	Total M/M	Japan	Field	98.86	61.11	37.75	<p>5. TECHNICAL TRANSFER</p> <p>1) JICA: A seminar was held on measures for yard planning. 2) Counterparts participated in JICA training program. 3) Instruction, as well as the preparation of a guidebook, on measures for yard work improvement.</p>													
Total M/M	Japan	Field																			
98.86	61.11	37.75																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																					
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>266,088 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>258,834</td> </tr> </tbody> </table>		266,088 (¥'000)	Total		Contracted	258,834														
	266,088 (¥'000)																				
Total																					
Contracted	258,834																				

和名 鉄道ヤード改良計画

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