

PROJECT SUMMARY (Basic Study)

CSA CHL/A 501/92

Compiled Mar.1994
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS		
1. COUNTRY	Chile	1. SITE OR AREA	Forest area between the VIII Administration Region (BIO BIO) and the IX Administrative Region (Araucania)		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued	
2. NAME OF STUDY	Forest Resources Management	2. PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 2)			(Description) The Government of Chile is promoting the embodiment of the project on this forest resources management plan.
3. SECTOR	Forestry/General	3. CONTENTS OF MAJOR PROJECT(S)				
4. REFERENCE NO.		- Study Area : approx. 550,000 ha - Model Area: approx. 64,000 ha				
5. TYPE OF STUDY	Basic Study	Forest areas in the Model Areas were classified into Protection Area and Production Area based on the land use plan prepared. Those two Areas were categorized according to the forest management criteria and the forest management plan was formulated. The management activities include cutting, regeneration, nursery practice, forest road establishment, site conservation and forest protection. In Production Area, Grazing Forest was proposed: while Experiment Forest was proposed in order to develop management system of natural forest and grazing forest.				
6. COUNTERPART AGENCY	CORFO (Corporacion de Fomento de la Produccion)	4. CONDITIONS AND DEVELOPMENT IMPACTS				
7. OBJECTIVES OF STUDY	Considering current wood demand increase and degradation of natural forests, the forest management plan should be formulated by harmonizing conservation and utilization of forest resources.					
8. DATE OF S/W	Apr.1990					
9. CONSULTANT(S)	Japan Forest Technical Association					
10. STUDY TEAM						
No. of Members	13					
Period	Dec.1990-Mar.1993 (28 months)					
	Total M/M Japan Field	2. MAJOR REASONS FOR PRESENT STATUS				
	42.00 22.00 20.00					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER		3. PRINCIPAL SOURCE OF INFORMATION		
Preparation of topographic maps, land use/vegetation maps and forest type maps						
12. EXPENDITURE		1. To accept three trainees 2. On the job training			①	
	Total 367,163 (¥'000)					
	Contracted 347,016					

和名 森林資源管理計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (M/P)

CSA COL/S 101/81

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS											
1.COUNTRY	Colombia	1.SITE OR AREA	Southern center (350 ha) of Bogota City		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued										
2.NAME OF STUDY	Simon Bolivar Great Memorial Park Project	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost	(Description) The recommendations of the study were incorporated into the city's master plan. A Japanese expert was dispatched to assist the planting of greenery in the park complex. (FY 1991 Overseas Survey) 1981: F/S was done by the state government. 1988: Construction began. Memorial park, groundwater system, and paths were completed. In the end of 1990, the park complex was opened to public. Other facilities are planned to be constructed gradually.										
3.SECTOR	Social Infrastructures/Urban Planning & Land Development	(US\$1,000)	1) 50,847													
4.REFERENCE NO.		(US\$1=59pesos)	2)													
5.TYPE OF STUDY	M/P	3.CONTENTS OF MAJOR PROJECT(S)														
6.COUNTERPART AGENCY	Inmuebles Nacionales, Ministerio de Obras Publicas y Transportes	The study proposed to establish a large-scale park complex in the southern part of the central area of Bogota City. Major components are as follows. -Memorial park: national festival plaza, international communication center, convention hall, outdoor theater, etc. -Athletic facilities: sports center -Educational and amusement facilities: historical museum, transport museum, natural history museum, botanical garden, amusement park, etc.														
7.OBJECTIVES OF STUDY	Comprehensive urban park development	4.CONDITIONS AND DEVELOPMENT IMPACTS														
8.DATE OF S/W	Jun.1980	Development impacts: -Expansion of park and green areas which function as social infrastructure servicing urban low-income strata -Stimulation of urban development in the vicinity of the park complex -Indirect impact on tourism promotion														
9.CONSULTANT(S)	JCP Co., Ltd. Pacific Consultants International	10.STUDY TEAM														
		No.of Members 9 Period Oct.1980-Sep.1981(12 months)														
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">Total M/M</td> <td style="width: 15%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="text-align: center;">32.00</td> <td style="text-align: center;">24.82</td> <td colspan="2"></td> </tr> </table>					Total M/M	Japan	Field				32.00	24.82		
Total M/M	Japan	Field														
	32.00	24.82														
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY														
12.EXPENDITURE		5.TECHNICAL TRANSFER														
		1)OJT on park development 2)Acceptance of trainees (JICA counterpart training program) 3)Joint work with counterparts and local consultants.														
		12.EXPENDITURE														
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">142,302 (Y'000)</td> <td colspan="3"></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">132,228</td> <td colspan="3"></td> </tr> </table>				Total	142,302 (Y'000)				Contracted	132,228				
Total	142,302 (Y'000)															
Contracted	132,228															
		3.PRINCIPAL SOURCE OF INFORMATION														
		①②														
		2.MAJOR REASONS FOR PRESENT STATUS														

和名 シモンボリバル公園造成計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (Basic Study)

CSA COL/A 501/81

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS				
1.COUNTRY	Colombia	1.SITE OR AREA	Water Basin of Pacific Ocean, Caribbean Sea, and San Andres Islands, Basin at the depth of 10-1,000 fathon from Chirambira Point to the border with Panama, and at the depth of 10-200 fathon from Chirambira Point to the border with Ecuador		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued			
2.NAME OF STUDY Fisheries Resources Survey		2.PROJECT COST			(Description) The export of deep sea shrimps earns valuable foreign exchange and about 20 fishing boats (including seven Japanese boats) are in operation in the Pacific Ocean side of Colombia. Colombian Government hopes to increase the number of fishing boats to increase the haul (current haul is about 1,500MT per year), and requested the Japanese cooperation to identify the maximum sustainable yields of fishery resources.				
3.SECTOR Fisheries/General		(US\$1,000) Total Cost Local Cost Foreign Cost 1) 2)							
4.REFERENCE NO.		3.CONTENT(S) OF MAJOR PROJECT(S)							
5.TYPE OF STUDY Basic Study		- Resource survey of fish that live in continental shelves and slopes in Colombian waters, environmental survey around fishing places, experimental operation, methods to utilize fish by type - Biological survey of main fish - Meteorological observation							
6.COUNTERPART AGENCY Bureau of Natural Resources, Agency of Natural Resources and Environment									
7.OBJECTIVES OF STUDY									
8.DATE OF S/W .0		4.CONDITIONS AND DEVELOPMENT IMPACTS							
9.CONSULTANT(S)		- Development of available resources other than growing fishery by shrimp fishery in shallows - Discovery of shrimps in the deep sea and potential fishing places near Gorgona Island good fishing place in Atlantic side, especially south of Cartagena.		2.MAJOR REASONS FOR PRESENT STATUS					
10.STUDY TEAM									
No.of Members 9 Period Apr.1979-Mar.1981(24 months)									
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> </table>		Total M/M	Japan	Field	5. TECHNICAL TRANSFER		3.PRINCIPAL SOURCE OF INFORMATION		
Total M/M	Japan	Field							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		one trainee		①					
12.EXPENDITURE									
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">310,922 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>255,637</td> </tr> </table>		Total	310,922 (¥'000)	Contracted	255,637				
Total	310,922 (¥'000)								
Contracted	255,637								

和名 水産資源調査

{M/P, Basic Study, Other}

PROJECT SUMMARY (F/S)

CSA COL/S 301/82

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Colombia	1.SITE OR AREA		Road between Buenaventura and Bogota		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY		2.PROJECT COST		Total Cost	Local Cost		
Bogota-Buenaventura Road Project		(US\$1,000)		1) 2,809,900	1,334,500		
3.SECTOR		3.CONTENTES OF MAJOR PROJECT(S)				(Description) (FY 1991 Overseas Survey) The project implementation was postponed because of the shortage of finance. At present, an alternative route is proposed between Bogota and Buenaventura, and the preliminary study is being undertaken.	
Transportation/Fish Processing		-Two-lane road improvement					
4.REFERENCE NO.		widening 70 km					
5.TYPE OF STUDY		landslide protection 100 km					
F/S		-New road					
6.COUNTERPART AGENCY		bypass shortcutting the crossing of Magdalena River					
Ministry of Public Works and Transportation							
7.OBJECTIVES OF STUDY							
Formulation of road improvement between the capital and major cities on the east coast							
8.DATE OF S/W		Imp. Period:					
Feb.1979		Jun.1984-Jun.1991					
9.CONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS					
Kokusai Kougyo Co., Ltd.		Feasibility: Yes		EIRR1)	FIRR1)		
				EIRR2)	FIRR2)		
				EIRR3)	FIRR3)		
10.STUDY TEAM		Conditions and Development Impacts:					
No.of Members 19		Net benefits were calculated 82.4 million Colombian pesos with an interest rate of 12 % per annum.					
Period Jun.1979-Mar.1981 (20 months)		The B/C ratio would be 1.78.					
		Development impacts are the reduction of travel time between Buenaventura and Bogota and economic development in the surrounding areas.					
Total M/M							
Japan							
Field							
96.80							
37.83							
58.97							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY							
Air photography							
O/D survey							
12.EXPENDITURE		5.TECHNICAL TRANSFER					
Total		1)OJT on O/D survey					
374,624 (¥'000)		2)Participation of counterparts in the JICA counterpart training program.					
Contracted							
155,806							
				2.MAJOR REASONS FOR PRESENT STATUS			
				3.PRINCIPAL SOURCE OF INFORMATION			
				①②			

和名 ベナベンツラーボゴタ間道路計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

CSA COL/S 102/84

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1. COUNTRY	Colombia	1. SITE OR AREA	Barranquilla 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	Comprehensive Urban Transport Study in Barranquilla Metropolitan Region	2. PROJECT COST					
3. SECTOR	Transportation/Urban Transportation	3. CONTENTS OF MAJOR PROJECT(S)	1) _____ 2) _____			(Description) Based on the recommendations of the study, the following actions have been taken. 1) Adoption of short-term measures (e.g. traffic control). 2) Endorsement by the city council of the land use plan. 3) A feasibility study by JICA on the urban renewal of CBD. 4) Establishment of a planning unit in the city government. 5) Dispatch of a Japanese expert. (FY 1991 Overseas Survey) 30 million peso is budgeted for the duration of 10 years, and the related ministries are in the process of budget finalization. The state government is requesting the World Bank for financial assistance.	
4. REFERENCE NO.		As the major large scale projects, the following are identified through the master plan study.					
5. TYPE OF STUDY	M/P	a. Urban Renewal/Development of the Central District.	b. Road Network Development. c. Development of Bus Transport System. d. Development of Rail Transit System. e. Development of South Subcenter Area. f. Development of North Subcenter Area. Among the above, the study related to the urban renewal/development of the Central District should be most urgently carried out since the Central District has numerous problems in its land use, transport, environment, etc., while it is expected to be the most important regional core of the Caribbean coast.				
6. COUNTERPART AGENCY	Municipality of Barranquilla						
7. OBJECTIVES OF STUDY	Formulation of a transport master plan for Barranquilla						
8. DATE OF S/W	Apr. 1983						
9. CONSULTANT(S)	Chodai Co., Ltd. Yachiyo Engineering Co., Ltd.	4. CONDITIONS AND DEVELOPMENT IMPACTS					
10. STUDY TEAM	No. of Members 16 Period Jul. 1983-Mar. 1985 (19 months)	[Condition] forecast of traffic demand is carried out using the Framework of the future population size, industrial output, GDP, family income, future land use of the city of Barranquilla based on the person trip survey at 1983.					
	Total M/M Japan Field	[Development Impacts] (1) Revitalization of major urban activities. (2) Development of rational transport systems (3) Improvement of physical environment					
	103.35 6.70 96.65	(FY 1993 Domestic Survey)					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Person trip survey Cordon line survey O/D survey						
12. EXPENDITURE	Total 348,986 (¥000) Contracted 193,948	5. TECHNICAL TRANSFER					
		1) OJT and a seminar on urban transport and development 2) Participation of counterparts in the JICA counterpart training program	3. PRINCIPAL SOURCE OF INFORMATION		①②		

和名 バランキージャ総合都市交通計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

CSA COL/A 301/84

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Colombia	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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY Pamplonita River Basin Agricultural Development Project		Norte de santander, 40km north of Cucuta, Pamplonita River Basin 13,500ha .400,000 people						
3.SECTOR Agriculture/General		2.PROJECT COST		Total Cost	Local Cost	Foreign Cost		
4.REFERENCE NO.		(US\$1,000)		1) 38,731	22,336	16,395		
5.TYPE OF STUDY F/S		US\$1=80COL\$ in 1984		3) 16,395				
6.COUNTERPART AGENCY Instituto Colombiano de hidrologia, Meteorologia Y adecuacion de tierras (HIMAT)		3.CONTENTIS OF MAJOR PROJECT(S)				(Description) (FY 1991 Overseas Survey) A part of the projects in neighboring Suria area (downstream only) has been completed, through a loan from the American States Development Bank. The upstream area has been suspended. (FY1992 Overseas Survey) The project was divided into two sectors by its climatological and soil conditions. HIMAT and CORPONOR, which are in charge of each sector, executed the D/D. Construction of the first sector financed by the World Bank and HIMAT is scheduled to start this year. CORPONOR completed some works in the second sector with own funds. The Pamplonita Project is included within the National Program of Adaptation of Land.		
7.OBJECTIVES OF STUDY The study area covers about 13,500ha located in the catchment area of the down stream of the Pamplonita river Objectives of the study are: 1. To propose solution to drainage problems 2. To propose irrigation and the land		1. Drainage improvement Drainage improvement are :1,740 ha Main canal : 50.5 km Lateral canal : 84.1 km Interception canal : 14.6 km						
8.DATE OF S/W Feb.1983		Imp. Period:						
9.CONSULTANT(S) Pacific Consultants International		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.40 EIRR2) EIRR3)			FIRR1) FIRR2) FIRR3)
10.STUDY TEAM		Conditions and Development Impacts: [Conditions] 1. Interest rates : Foreign portion 8 percent/year Local portion 20 percent/year 2. Price escalation: Foreign portion 8 percent/year Local portion 20 percent/year 3. Repayment : Interest rate 20 percent/year with 5 years grace period and 15 year term 4. Exchange rate : US\$1.00=COL\$80.00=Yen240 5. Project life : 50 years Based on the above conditions, development plans were drawn up 1-3 levels, estimating respectively the difference in yield "with" and "without" project conditions. [Development Impacts] 1. Increase in yield and pest control through improving drainage 2. Decrease of damage due to floods and improving land use by improving drainage 3. Increase in yield and introduction of new crops through irrigation plan 4. Increase in agricultural income and employment 5. Stabilization of the people's livelihood (FY 1993 Domestic Survey)						
No.of Members 12 Period Jun.1983-Jul.1984(14 months)								
Total M/M Japan Field 60.52 19.63 40.89								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Geological Survey, water level observation station		5.TECHNICAL TRANSFER						
12.EXPENDITURE		1.Training of counterpart (2) 2.OUT						
Total 198,322 (¥000)								
Contracted 167,796								
2.MAJOR REASONS FOR PRESENT STATUS						This project is in the National Development Plan of 1991-2000. 3.PRINCIPAL SOURCE OF INFORMATION ①②		

和名 パンプロニータ川流域農業開発計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA COL/A 302/86

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Colombia	1. SITE OR AREA				1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2. NAME OF STUDY	Small Scale Irrigation Package Project in Slope Area	Andes region among the Oriental Mountain Range						
3. SECTOR	Agriculture/General	2. PROJECT COST		Total Cost	Local Cost	Foreign Cost		
4. REFERENCE NO.		(US\$1,000) 1) 960						
5. TYPE OF STUDY	F/S	US\$1 = 193.76 Peso in 1986 2) 3)						
6. COUNTERPART AGENCY	Instituto Colombiano de hidrologia meteorologia y adecuacion de tierras	3. CONTENTS OF MAJOR PROJECT(S)				(Description) Agricultural development of these area is being carried out by the government with the three stages. The F/S study executed by JICA is the model plan to proceed the agricultural development in the sloping area. Santa Sofia area project which the F/S study has been completed by JICA is implemented as one of the Stage 1 project. In addition, Stage 1 and 2 programs are completed and/or being implemented with the loan assistance of the IRRD. To implement the Stage 3 program, Colombia government is requested verbally the loan assistance to the Japanese government. Following is the transitional status of the project after completion of the F/S study. 1988 Completion of Santa Sofia area project 1989 Mar. Completion of the Stage 1 program 1989 Jan. Commencement of the Stage 2 program (completion will be 1992) 1993 Stage 3 program will be commenced (FY 1991 Overseas Survey) All projects are suspended. From 1991, Integrated Development Project in slope area has started in five year period. (FY1992 Overseas Survey) Projects are delayed or suspended.		
7. OBJECTIVES OF STUDY	Agricultural development	Proposed Components in 4 areas						
8. DATE OF S/W	Jun.1985	Imp. Period:						
9. CONSULTANT(S)	Naigai Engineering Co., Ltd. Pacific Consultants International Nippon Koei Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 24.00 EIRR2) EIRR3)			FIRR1) FIRR2) FIRR3)
10. STUDY TEAM	No. of Members 9 Period Jan.1986-Mar.1987 (15 months)	Conditions and Development Impacts:						
	Total M/M Japan Field 52.93 21.64 31.29	Direct benefit Sub Area SanPedro de Iquaque Santa Sofia Caqueza Tibacuy Total Improvement 87 341 412 198 1,037 Benefit (1,000US\$/year) Indirect benefit: Acceleration of the farm land development in the sloping area of the Andes region						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER						
12. EXPENDITURE	Total 162,437 (¥000) Contracted 145,629	1. Acceptance of 2 trainees 2. OJT						
		2. MAJOR REASONS FOR PRESENT STATUS						
		60% of the farmers in the nation is the small scale farmers who carry out their agricultural activities in mid-slope of mountainous areas. To promote the eradication of poverty, relief of these small scale farmers and elevation of agricultural productivity are the most urgent policy of the nation. (FY1992 Overseas Survey) -Internal problems and problems at the project site -Very high estimated cost of construction						
		3. PRINCIPAL SOURCE OF INFORMATION						
		①②						

和名 傾斜地小規模かんがい計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA COL/S 302/87

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT							
1. COUNTRY	Colombia	1. SITE OR AREA		Central Area (150 ha) of Barranquilla		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled						
2. NAME OF STUDY		2. PROJECT COST		Total Cost	Local Cost			Foreign Cost					
Urban Development of the Central District of Barranquilla				(US\$1,000) 1) 78,000	50,200	27,800							
						(US\$1=150Yen) 2)							
						3)							
3. SECTOR		3. CONTENTS OF MAJOR PROJECT(S)				(Description) The Colombian Government established EDUBAR (Empresa Desarrollo Urbano de Barranquilla, government 51%, private sector 49%) in April 1990. This development corporation has acquired 11% of land in Barranquillita and been promoting renewal projects. The corporation is taking steps to apply to the OECF finance for foreign currency portion, while negotiating with the National Dept. of Planning and one of the domestic banks (BCH) for local currency finance. (FY 1991 Overseas Survey) The F/S on the expansion of roads and bus terminals was done by EDUBAR, and the project has started. One of the terminal was completed in March, 1992, and the other one is scheduled to be completed in June, 1992. The construction of extended road was completed in Nov. 1991. (FY 1992 Overseas Survey) 1993 2nd half Construction began 1999 2nd half Construction is scheduled to end Total investment costs \$79,500 million pesos (US\$103.5 million) The projects is implemented according to the F/S.							
4. REFERENCE NO.		The following six projects are in connection with the urban development of the Central District: 1) Construction of the Bus Terminal. - Intermunicipal bus terminal - Urban bus terminal - Urban bus routing to and from Barranquillita 2) Reorganization of the Existing Public Market in Barranquillita. 3) Provision of an Urban Park to Replace the Mercado Canal. 4) Improvement of Calle 30. 5) Construction of the Riverside Bypass. 6) Arrangement of Infrastructures.											
5. TYPE OF STUDY								F/S					
6. COUNTERPART AGENCY								National Dept. of Planning, Municipality of Barranquilla					
7. OBJECTIVES OF STUDY								Urban renewal for Barranquillita and Boriche in Barranquilla City					
8. DATE OF S/W								Dec. 1985					
9. CONSULTANT(S)								Chodal Co., Ltd. Yachiyo Engineering Co., Ltd.					
10. STUDY TEAM		Imp. Period: Jul. 1988-Dec. 1989											
No. of Members 12 Period Jul. 1986-Feb. 1988 (20 months) <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">62.50</td> <td style="text-align: center;">4.30</td> <td style="text-align: center;">58.20</td> </tr> </table>		Total M/M	Japan	Field	62.50			4.30	58.20	4. FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 17.20 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)
		Total M/M	Japan	Field									
		62.50	4.30	58.20									
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: [Conditions] (1) Economical and industrial development for city of Barranquilla (2) Up-grading of living standard for establishment of social security (3) Institutional arrangement for intentional and orderly development [Development Impacts] The proposed renewal will revitalize the urban functions of the provincial capital, stimulate the growth of the surrounding areas, establish an efficient transport system, integration of inter-city and intra-city bus services, and create employment opportunities. (FY 1993 Domestic Survey)											
12. EXPENDITURE		5. TECHNICAL TRANSFER		2. MAJOR REASONS FOR PRESENT STATUS									
						Central and local governments and the private sector have strong interest in activating the functions of the provincial capital to stimulate the growth of the Caribbean coast. (FY 1992 Overseas Survey) Support from the National government							
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">243,846 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">224,253</td> </tr> </table>		Total	243,846 (¥'000)	Contracted	224,253			1) OJT on urban transport development and urban redevelopment 2) Participation of counterparts in the JICA training program.		3. PRINCIPAL SOURCE OF INFORMATION			
Total	243,846 (¥'000)												
Contracted	224,253												
				①②									

和名 バランキージャ市中心地区再開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

CSA COL/A 101/88

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																
1.COUNTRY	Colombia	1.SITE OR AREA	Quindio (20,000,000 sq.km) population 400,000		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued															
2.NAME OF STUDY	Quindio Basin Integrated Agricultural Development Project	2.PROJECT COST	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td style="text-align: center;">1)</td> <td style="text-align: center;">90,492</td> <td style="text-align: center;">33,716</td> <td style="text-align: center;">56,776</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td style="text-align: center;">299,240</td> <td style="text-align: center;">119,700</td> <td style="text-align: center;">179,540</td> </tr> </table>		(US\$1,000)		Total Cost	Local Cost	Foreign Cost		1)	90,492	33,716	56,776		2)	299,240	119,700	179,540	(Description) A request was made to the Japanese government by the DNP in August 1988 regarding technical assistance on the F/S of this project. An S/W was concluded in September 1989, and the F/S was carried out from March 1990. The final report will be made in January 1991. In the F/S, the model plants of coffee waste water treatment were constructed. (FY1992 Overseas Survey) 1992.11 Asamblea Departamental del Quindio approved the Integrated Agricultural Development Project at the state level by the No. 5 order. The investment plans of the First Phase are as follows: 1993 \$23.1 million, 1994 \$43.6 million, 1995 \$68.2 million, 1996 \$123.9 million, 1997 \$23.1 million The maps of the study were incorporated with the following development plans. -National integrated agricultural development -Disaster prevention projects -Water supply management etc. The project is in progress according to the M/P.	
(US\$1,000)		Total Cost	Local Cost	Foreign Cost																	
	1)	90,492	33,716	56,776																	
	2)	299,240	119,700	179,540																	
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	US\$1 = 250 Peso in 1987 In order to correct regional differences within Quindio a long term plan has been set for the year 2005. Priority projects were selected and pre F/S was conducted as short term plans. Long term plan : -Agricultural development plan (6 areas 9000ha) -Disaster prevention plan (6 areas) -Improvement of water (7 areas) -Infrastructure (197km road, 3 generators, 2 water supply) Short term plan : -Agricultural development plan (9 areas 7000ha) -Disaster prevention plan(emergency flood control in 2 places) -Water quality improvement (1 area) -Infrastructure (113km road, 2 power stations)																		
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	Development Impacts: To increase agricultural production and farmers' income, to rectify imbalanced productivity among the various sub-regions, to outgrow from economic structure of coffee monoculture, to improve self-supply food in the Department, to preserve the natural environment, to improve the living condition, to promote the active economic condition of the Department.		2.MAJOR REASONS FOR PRESENT STATUS The agricultural development project which includes measures for small farms corresponds with the national policy for improving regional differences. The change from the coffee monoculture also has been proved important in activating the area's agriculture, leading to the development of the area.																
5.TYPE OF STUDY	M/P	5.TECHNICAL TRANSFER					1.Acceptance of trainees(2) 2.Provision of machinery and instruction 3.Cooperation regarding field survey and preparation of reports		3.PRINCIPAL SOURCE OF INFORMATION ①												
6.COUNTERPART AGENCY	Regional Autonomous Corporation of Quindio	7.OBJECTIVES OF STUDY	The present study has the objectives to formulate an integrated agricultural development project in the area covering a total of 200,000ha of the Department of Quindio.																		
8.DATE OF S/W	Jul.1986	10.STUDY TEAM					<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">No.of Members</td> <td colspan="2" style="text-align: center;">13</td> </tr> <tr> <td style="text-align: center;">Period</td> <td colspan="2" style="text-align: center;">Jan.1987-Jun.1988 (18 months)</td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">97.54</td> <td style="text-align: center;">29.99</td> <td style="text-align: center;">67.55</td> </tr> </table>		No.of Members	13		Period	Jan.1987-Jun.1988 (18 months)		Total M/M	Japan	Field	97.54	29.99	67.55	
No.of Members	13																				
Period	Jan.1987-Jun.1988 (18 months)																				
Total M/M	Japan	Field																			
97.54	29.99	67.55																			
9.CONSULTANT(S)	Pacific Consultants International Naigai Engineering Co., Ltd.	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Remote sensing (Pasco) Water and soil analysis Construction of water observation station																		
12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: right;">368,817 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: right;">281,208</td> </tr> </table>	Total					368,817 (¥'000)	Contracted	281,208												
Total	368,817 (¥'000)																				
Contracted	281,208																				

和名 キンディオ盆地農業総合開発計画

[M/P, Basic Study, Other]

PROJECT SUMMARY (F/S)

CSA COL/A 303/89

Compiled Mar.1991
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																									
1.COUNTRY	Colombia	1.SITE OR AREA		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1) 55,500,000</td> <td style="text-align: center;">24,151,000</td> <td style="text-align: center;">31,349,000</td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="text-align: center;">3)</td> <td></td> <td></td> <td colspan="2"></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost			(US\$1,000)	1) 55,500,000	24,151,000	31,349,000				2)						3)					1.PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled	(Description) The implementation of this project was officially requested by the Government of Colombia to the Japanese Embassy in Feb. 1991. It was proposed to dispatch the OECF mission in July or August 1991. However, the mission is not yet dispatched because of the delay of official procedure in Japan. <FY1991 Overseas Survey> Although in 1993, the OECF project appraisal mission was scheduled to dispatch, it was postponed due to disorder of the country (terrorism by drug syndicate). (FY1992 Overseas Survey) The HIMAT is waiting for OECF's reply concerning the viability of the loan. The Ariari Project is incorporated in the National Program of Adaptation of Land. Adaptation of 535,000ha of land during the decade from 1991 to 2000 is expected.
	Total Cost	Local Cost	Foreign Cost																												
(US\$1,000)	1) 55,500,000	24,151,000	31,349,000																												
	2)																														
	3)																														
2.NAME OF STUDY ARIARI River Basin Integrated Agricultural Development Project		Meta, Ariari upper river basin (150km southeast of the capital Bogota) study area 41,000ha																													
3.SECTOR Agriculture/General		2.PROJECT COST																													
4.REFERENCE NO.		3.CONTENT(S) OF MAJOR PROJECT(S)																													
5.TYPE OF STUDY F/S		- Irrigation Area: 23,815 ha - Headworks: 1 (Fixed weir: width 187m x height 3m) (Movable weir: width 27m x height 10m) - Main Irrigation canal (Concrete and earth lining): 95km - Main drainage Canal (Earth lining): 5km - Lateral Irrigation Canal (Concrete and earth lining): 113km - Road (Asphalt and aggregate paved): 235km - Diversion works: 6 - Bridges: 138 - Siphones: 161																													
6.COUNTERPART AGENCY Instituto Colombiano de hidrologia, meteorologia y adecuacion de tierras (HIMAT)				In addition of above facilities, tertiary irrigation canals and on-farm development were included.																											
7.OBJECTIVES OF STUDY		8.DATE OF S/W Feb.1988		Imp. Period: .1990-.1996 .1993-.1998																											
(1) to formulate an optimum integrated agricultural development plan in the study area; (2) to verify technical and socio-economic feasibility of the selected project in the study area; and (3) to transfer the relevant		9.CONSULTANT(S) Pacific Consultants International Naigai Engineering Co., Ltd.		4.FEASIBILITY AND ITS ASSUMPTIONS																											
				Feasibility: Yes EIRR1) 11.30 FIRR1) 16.00 EIRR2) 20.50 FIRR2) 30.70 EIRR3) FIRR3)																											
10.STUDY TEAM		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER		2.MAJOR REASONS FOR PRESENT STATUS																									
No.of Members 10 Period Aug.1988-Nov.1989 (16 months)		Topographical survey Soil analysis Geological survey		1.Acceptance of trainees(2) 2.OJT		This project was considered carefully by the Government of Colombia after the Feasibility Study, and consequently it was planned to implement this project with high priority. The condition of official procedure in Japan is being investigated now. (FY1992 Overseas Survey) The government assigns this project as high priority.																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Japan</td> <td style="width: 15%; text-align: center;">Field</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">51.90</td> <td style="text-align: center;">19.60</td> <td style="text-align: center;">32.30</td> <td colspan="2"></td> </tr> </table>			Japan	Field				Total M/M	51.90	19.60	32.30																				
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12.EXPENDITURE		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY				3.PRINCIPAL SOURCE OF INFORMATION																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">190,452 (M'000)</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">177,515</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td></td> <td colspan="2"></td> </tr> </table>			190,452 (M'000)			Total	177,515			Contracted						①②															
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和名 アリアリ川農業総合開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

CSA COL/S 103/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS																																									
1.COUNTRY	Colombia	1.SITE OR AREA	The area under the jurisdiction of the Secretaria Distrital de Salud de Santafe de Bogota D.C.			1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued																																							
2.NAME OF STUDY	Air Pollution Control Plan in Santafe de Bogota City Area	2.PROJECT COST				(US\$1,000)		Total Cost	Local Cost	Foreign Cost																																				
3.SECTOR	Administration/Livestock Processing	3.CONTENTS OF MAJOR PROJECT(S)	1)	156,420			(Description) Air Pollution Control 1) Regulation of exhaust gas (CO, HC concentration by car type): Implemented 2) Improvement of public bus system: Implemented 3) Reconstruction of trolley bus system: Delayed 4) Construction of passenger train system: Delayed 5) Others: Unknown (FY1992 Overseas Survey) - Attain good combustion: Implemented - Installation of mechanical coal-feeder: Implemented - Fuel improvement: Implemented - Installation of dust collector: Implemented																																							
4.REFERENCE NO.		(1) Countermeasure for the whole area (a) Institutional: 1) Revision of emission standards 2) Education of operator of stationary sources 3) Reinforcement of regulation on stationary sources 4) Revision of motor vehicle inspection and registration system 5) Establishment of type approval system of motor vehicle about exhaust gas 6) General instruction of drivers on motor vehicle operation 7) Treatment of diesel motor vehicles 8) Reviews of the tax imposing system on vehicles 9) Establishment of prevention system against hydrocarbon evaporation from stationary sources 10) Establishment of subsidy system for private investment on air pollution control 11) Deliberate Reorganization of land use in the city. (b) For short term: 1) Improvement of combustion 2) Fuel Improvement or conversion 3) Installation of dust collector 4) Reduction of heat radiation loss 5) Prevention of soil dust dispersion from soil mining or asphalt mixing plant (c) For Medium to Long Term: 1) Improvement of combustion of oil boilers. 2) Fuel Improvement or Conversion 3) Installation of dust collector 4) Reform of used gasoline motor vehicle 5) Reconstruction of trolley bus network 6) Construction of passenger railway lines. 7) Improvement of public bus system. (2) Countermeasure for specific area (a) Large Intersections: 1) Prevention of tall buildings 2) Open space as buffer area 3) To keep the distance from residential areas (b) Specific Stationary Source: Raising of chimney height to lower the concentration of pollution.																																												
5.TYPE OF STUDY	M/P		4.CONDITIONS AND DEVELOPMENT IMPACTS																																											
6.COUNTERPART AGENCY	Jefe Section Protection Ambiente, La Secretaria Distrital de Salud Santafe de Bogota D.C.		Conditions: The pollutant reduction target is calculated as follows, taking 40% growth of pollutant generation in the year of 2001 into consideration.																																											
7.OBJECTIVES OF STUDY	To investigate and analyze air pollution, meteorology, air pollutant sources, socio-economic conditions and air pollution control measure in Santafe de Bogota City, on the basis of which to propose a guideline for the air		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Target of the Air Pollutant Emission Amount</th> </tr> <tr> <th style="text-align: left;">Air Pollutant</th> <th style="text-align: center;">Present situation</th> <th style="text-align: center;">future</th> <th style="text-align: center;">target</th> </tr> </thead> <tbody> <tr> <td>CO</td> <td style="text-align: center;">288</td> <td style="text-align: center;">398</td> <td style="text-align: center;">193</td> </tr> <tr> <td>HC</td> <td style="text-align: center;">20</td> <td style="text-align: center;">29</td> <td style="text-align: center;">12</td> </tr> <tr> <td>SOx</td> <td style="text-align: center;">7.8</td> <td style="text-align: center;">11.2</td> <td style="text-align: center;">8.7</td> </tr> <tr> <td>NOx</td> <td style="text-align: center;">11</td> <td style="text-align: center;">16</td> <td style="text-align: center;">15</td> </tr> <tr> <td>Dust</td> <td style="text-align: center;">2.2</td> <td style="text-align: center;">3.2</td> <td style="text-align: center;">1.8</td> </tr> </tbody> </table> Development Impacts: The target level is fundamentally defined as the same level to the ambient air quality standard now in power. The level of Ambient Air Quality <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Item</th> <th style="text-align: center;">Target (average)</th> </tr> </thead> <tbody> <tr> <td>SO2</td> <td style="text-align: center;">38.2ppb</td> </tr> <tr> <td>NO2</td> <td style="text-align: center;">53.2ppb</td> </tr> <tr> <td>SP</td> <td style="text-align: center;">100ug/m3</td> </tr> <tr> <td>CO</td> <td style="text-align: center;">3.6ppm</td> </tr> <tr> <td>MHC</td> <td style="text-align: center;">0.5ppmc</td> </tr> </tbody> </table>	Target of the Air Pollutant Emission Amount				Air Pollutant	Present situation	future	target	CO	288	398	193	HC	20	29	12	SOx	7.8	11.2	8.7	NOx	11	16	15	Dust	2.2	3.2	1.8	Item	Target (average)	SO2	38.2ppb	NO2	53.2ppb	SP	100ug/m3	CO	3.6ppm	MHC	0.5ppmc			
Target of the Air Pollutant Emission Amount																																														
Air Pollutant	Present situation		future	target																																										
CO	288		398	193																																										
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SP	100ug/m3																																													
CO	3.6ppm																																													
MHC	0.5ppmc																																													
8.DATE OF S/W	Jan.1989	5. TECHNICAL TRANSFER																																												
9.CONSULTANT(S)	Research, Analysis and Computing Pacific Consultants International	Analysis on meteorology, air quality and emission sources; Measurement and maintenance of instruments; Emission source control.																																												
10.STUDY TEAM	No. of Members 13 Period Jul.1990-Feb.1992 (20 months) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total M/M</th> <th style="text-align: center;">Japan</th> <th style="text-align: center;">Field</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">66.10</td> <td style="text-align: center;">28.10</td> <td style="text-align: center;">38.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	66.10	28.10	38.00																																							
Total M/M	Japan	Field																																												
66.10	28.10	38.00																																												
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey on traffic volume and analysis of fuel component																																													
12.EXPENDITURE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: left;">Total</td> <td style="text-align: center;">446,425 (¥'000)</td> </tr> <tr> <td style="text-align: left;">Contracted</td> <td style="text-align: center;">225,726</td> </tr> </tbody> </table>	Total	446,425 (¥'000)	Contracted	225,726																																									
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Contracted	225,726																																													
		3.PRINCIPAL SOURCE OF INFORMATION																																												
		2.MAJOR REASONS FOR PRESENT STATUS																																												

和名 ボゴタ市大気汚染対策計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

CSA COL/A 304/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT					
1.COUNTRY	Colombia	1.SITE OR AREA	7 areas in Dept of Quindio(7,600ha, population 3,400) and Cristales River Watershed (9,400ha)			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled				
2.NAME OF STUDY		2.PROJECT COST		Total Cost	Local Cost	(Description) (FY1992 Overseas Survey) 1993 Gobierno Department undertook the D/D and approved financing of the project.					
Quindio Basin Integrated Agricultural Development Project		(US\$1,000)		1) 12,737	3,325			9,412			
				2)							
3.SECTOR		3.CONTENTES OF MAJOR PROJECT(S)									
Agriculture/General		The project is divided in two sub-project:									
4.REFERENCE NO.		(1) Agricultural Development - Road improvement (New 134km, Rehab 153km) - Irrigation improvement (112ha) Agro-industry (5 locations) Research center (1 locations)									
5.TYPE OF STUDY								(2) Coffee waste water treatment Model area 1,000 ha (52 Farm households)			
6.COUNTERPART AGENCY		Imp. Period:									
Regional Autonomous Corporation of Quindio (CRQ)								4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes EIRR1) 14.50 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)			
7.OBJECTIVES OF STUDY		Conditions and Development Impacts: (Conditions) Total project cost includes the cost required for coffee waste water treatment facilities. However, EIRR is estimated based only on the agricultural development.									
To implement the F/S for the Miority areas selected in the M/P conducted in 1988.								(Development Impacts) - Model development in the hilly area - Environmental improvement impact is expected through the implementation of coffee waste water treatment project. - Regional economic activity would be generated by agricultural development of the hilly land where it was isolated from development. - The scheme would be a model of development plan in the hilly area. - Improvement of agricultural management technology was anticipated for the project area.			
8.DATE OF S/W		10.STUDY TEAM No.of Members 8 Period Mar.1990-Aug.1991(17 months)									
Sep.1989								<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">14.20</td> <td style="text-align: center;">39.72</td> <td style="text-align: center;">32.28</td> </tr> </table>			
Total M/M	Japan	Field									
14.20	39.72	32.28									
9.CONSULTANT(S)		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY - Construction of Model Plants of Coffee Waste Water Treatment - Contour Map ; - Water Quility Test									
Pacific Consultants International						5.technical transfer Coffee waste water treatment technology.					
10.STUDY TEAM		12.EXPENDITURE <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">215,542 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">204,682</td> </tr> </table>								Total	215,542 (¥'000)
Total	215,542 (¥'000)										
Contracted	204,682										
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS -The project is important for providing the solutions to the coffee monoculture and natural water deterioration. - A reduction of coffee export damaged the local economy. Hence, the local government is aiming at development of local economy with corporation of this project.									
12.EXPENDITURE						3.PRINCIPAL SOURCE OF INFORMATION					
Total											
Contracted											

和名 キンダイオ川流域農業総合開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

CSA COL/S 104/92

Compiled Mar. 1994
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS												
1. COUNTRY	Colombia	1. SITE OR AREA	City of Cartagena		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued											
2. NAME OF STUDY	The Urban Transport Study in the City of Cartagena de Indias.	2. PROJECT COST	(US\$1,000)	Total Cost 1) 417,100 2)	(Description) City of Cartagena puts the priority on the improvement of public transport system, and prepares her own budget for the feasibility study of the improvement of public transport system and Water Transport introduction. Project period : Sept. 1993 - Feb. 1994 Budget : Some 400 thousand US \$ And also the city has the plan to request to Japanese Government to carry out the feasibility study on Road Network Improvement. They now are preparing TOR for the Project.												
3. SECTOR	Transportation/Urban Transportaion	3. CONTENTS OF MAJOR PROJECT(S)															
4. REFERENCE NO.		1. short Term Plan (Investment 1.042 billion Pesos) 1) Road Impr. (2 routes) and Road Construction (1 route) . 2) Construction of Bus Bay, 3) Introduction of Water Trasp., 4) Improvement of Traffic Management system															
5. TYPE OF STUDY	M/P	2. Medium Term Plan (Investment 100.218 billion Pesos) 1) Road Impr. (3 routes) and Road/Bridge Construction (6 routes, 3 bridges), 2) Construction of Bus Terminal (4), Improvement Bus Bay, 3) Installation of Traffic Signal															
6. COUNTERPART AGENCY	Express Desarro de Urbano de Bolivar	3. Long Term Plan (Investment 195.127 billion Pesos) 1) Road Impr. (17 routes) and Road construction (7 routes, 7 bridges), 2) Construction of Bus Terminal (7), Introduction of Trunk-Feeder Bus System, 3) Installation of Traffic Signal, etc..															
7. OBJECTIVES OF STUDY	The formulation of Complehensive Urban Transport Plan (Road Transport, Public Transport and Traffic Management) until 2010.	4. CONDITIONS AND DEVELOPMENT IMPACTS															
8. DATE OF S/W	Aug. 1990	[Conditions] Traffic demand Forecast is carried out based on the future socio-economic framework of Cartaqena, resulting from several traffic and transport surveys.															
9. CONSULTANT(S)	Chodal Co., Ltd.	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">1991</td> <td style="text-align: center;">2010</td> <td></td> </tr> <tr> <td>population (5 years or more)</td> <td style="text-align: center;">599</td> <td style="text-align: center;">1,109</td> <td style="text-align: right;">(Thousand)</td> </tr> <tr> <td>Number of Trip</td> <td style="text-align: center;">1,259</td> <td style="text-align: center;">2,639</td> <td style="text-align: right;">(Thousand)</td> </tr> </table>					1991	2010		population (5 years or more)	599	1,109	(Thousand)	Number of Trip	1,259	2,639	(Thousand)
	1991	2010															
population (5 years or more)	599	1,109	(Thousand)														
Number of Trip	1,259	2,639	(Thousand)														
10. STUDY TEAM	No. of Members 8 Period Mar. 1991-Nov. 1992 (20 months)	[Planning Policy] Master Plan is formulated based on the following policies. 1) Complehensive Transport System Introduction of Road Transport, Public Transport and Water Transport 2) Effictive Public Transport System 3) Road Network Construction Integrating Urban Area															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">51.17</td> <td style="text-align: center;">14.27</td> <td style="text-align: center;">36.90</td> </tr> </table>		Total M/M	Japan	Field	51.17	14.27	36.90	2. MAJOR REASONS FOR PRESENT STATUS									
Total M/M	Japan	Field															
51.17	14.27	36.90															
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Traffic survey	5. TECHNICAL TRANSFER															
12. EXPENDITURE	Total 201,797 (¥'000) Contracted 170,469	1. Cooperation with counterpart personel at study implementation in Cartagena, 2. Seminars in times of Interim Report and Draft Final Report on Urban Transport															
				3. PRINCIPAL SOURCE OF INFORMATION													
				①													

和名 カルタヘナ市都市交通計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (M/P)

Compiled Mar.1986
Revised Mar.1994

CSA CRI/S 101/77

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS										
1.COUNTRY	Costa Rica	1.SITE OR AREA	Gran Puntarenas and Pacifico Central areas along the Pacific Coast		1.PRESENT STATUS <input type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input checked="" type="checkbox"/> Discontinued									
2.NAME OF STUDY	Regional study of the Hinterland of Caldera and Puntarenas Ports	2.PROJECT COST				<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">(US\$1,000)</td> <td style="text-align: center;">1)</td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> </table>		(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost		2)
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost										
	2)													
3.SECTOR	Development Plan/Sericulture	3.CONTENTS OF MAJOR PROJECT(S)	<p>(Description)</p> <p>The findings of the study were utilized to formulate the development policy framework for the Gran Puntarenas area.</p> <p>(FY 1991 Overseas Survey) No additional information.</p> <p>(FY1993 Overseas Survey) Present status of this project is discontinued.</p>											
4.REFERENCE NO.		<p>1.Gran Puntarenas Area</p> <p>1)El Rodare Blanca urban planning 2)Conservation of Puntarenas sand bar and urban renewal 3)Development of the distribution center near Caldera port 4)Industrial area planning</p> <p>5)Projects concerning Industrial area -Facilities for human resources training -Facilities for research of construction materials -Greenbelt</p> <p>6)Agricultural products processing and related industry -Fish products processing facilities -Grain and meat processing factories -Industry related agricultural products</p> <p>7)Water supply for residents and industry</p> <p>8)Transportation Development -Terminal for trucks and passengers -Improvement of railway and switchyard -Road sign and traffic signal</p> <p>9)Elementary sewerage facilities 10)protection against water pollution of sea products processing 11)Development of recreation center</p> <p>2.Pacific Central Area</p> <p>1)Supplement research of regional economic development</p> <p>2)Development of suburban horticulture</p> <p>3)Development of fishery activity 4)Development of water resource</p> <p>5)Introduction of farmers' income surveys</p> <p>6)Program of protection against environmental pollution</p> <p>7)Sewerage using soil</p> <p style="text-align: center;">(continued to down below)</p>												
5.TYPE OF STUDY	M/P					4.CONDITIONS AND DEVELOPMENT IMPACTS								
6.COUNTERPART AGENCY	National Planning Office					<p>3.Guacaste Region</p> <p>1)Surveys on vegetation and potentials 2)Surveys on water resource of river and ground water 3)Development of animal husbandry -Scientific breeding and artificial insemination -Sheep farming -Improvement of meadow *related project</p> <p>Surveys on the possibility about irrigation development</p> <p>4.Costa Rica</p> <p>1)Research on future demand of vegetables and fruits</p> <p>2)Productivity improvement of traditional of agriculture</p> <p>3)Basic research on price making policy of grain</p> <p>4)Education for experts about environmental technology</p> <p>5)Preparation for statistics materials of transportation planning</p> <p><Conditions></p> <p>1.This is a 20-years long-term aspect aiming to the year 2000.</p> <p>2.The characters of the "back area" being between San Jose and Puntarenas must be made good use of.</p> <p>3.The basic data of population, consumption, marine resource and agricultural management must be prepared.</p> <p>4.The aspects of future international/ domestic markets must be prepared completely.</p>								
7.OBJECTIVES OF STUDY	Identification of development potentials in the hinterlands of two ports and basic development strategies						2.MAJOR REASONS FOR PRESENT STATUS							
8.DATE OF S/W	Nov.1976						3.PRINCIPAL SOURCE OF INFORMATION							
9.CONSULTANT(S)	International Development Center of Japan							①②						
10.STUDY TEAM	No.of Members 10 Period Feb.1977-Nov.1977(9 months)													
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">26.30</td> <td style="text-align: center;">16.50</td> <td style="text-align: center;">9.80</td> </tr> </table>									Total M/M	Japan	Field	26.30	16.50	9.80
Total M/M	Japan								Field					
26.30	16.50		9.80											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY														
12.EXPENDITURE														
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">82,251 (¥000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">60,578</td> </tr> </table>		Total	82,251 (¥000)	Contracted	60,578	5.TECHNICAL TRANSFER								
Total	82,251 (¥000)													
Contracted	60,578													
		Participation of counterparts in the JICA training program.												

和名 太平洋岸新港背後地域開発計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

CSA CRI/S 301/81

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Costa Rica	1.SITE OR AREA	30km south of Punta Arenas City			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Second Stage Expansion Project of the Port of Caldera	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Transportation/Port		(US\$1,000) 1) 30,450	11,950	18,500	(Description) The IDB financed the stage II construction of Caldera Port. (FY 1991 Overseas Survey) There is no IDB financing as long as we observed. Stage II was suspended because of the economic problems. Instead of this project, Maintenance Project of the Port of Caldera is planned. (FY1992 Overseas Survey) No additional information.	
4.REFERENCE NO.			(US\$1=15Colones) 2)				
5.TYPE OF STUDY	F/S	3.CONTENTS OF MAJOR PROJECT(S)	3)				
6.COUNTERPART AGENCY	Ministry of Public Works and Transport (MOPT)	-Breakwater					
7.OBJECTIVES OF STUDY	Master Plan for 2000 Short-term Plan for 1990 and it's F/S	-Container Berth (-12m)					
8.DATE OF S/W	.0	-Dredging, Reclamation					
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Ja	-Shore Protection					
10.STUDY TEAM	No.of Members 19 Period Jun.1980-Dec.1981(18 months)	-Cargo Handling Facilities					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12.EXPENDITURE							
	Total 143,979 (¥'000)					2.MAJOR REASONS FOR PRESENT STATUS	
	Contracted 133,418					Financial problems	
		5. TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION	①②

和名 カルデラ港建設計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA CRI/S 302/86

Compiled Mar.1990
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Costa Rica	1.SITE OR AREA		Caldera Port on the northwest Pacific coast		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY		2.PROJECT COST		Total Cost	Local Cost		
Maintenance Project of the Port of Caldera		(US\$1,000) 1) 24,000 5,000 19,000 (US\$1=53.15Colones) 2) 3)		3.CONTENTS OF MAJOR PROJECT(S)		(Description) (FY 1991 Overseas Survey) 1988.8 : requested Loan 1987-89: specialists were sent to analyze the collected data. As the result of the increase of trade, Stage II attracted attention again. (FY1992 Overseas Survey) 1990 : Loan was requested to the Finland's government (30 million Finland's Mark) 1991 : Loan was requested to the Spanish Bank 1993.2 : Loan was requested to the World Bank Preparation for utilization of Finland's loan.	
				The way to maintain Port of Caldera was studied. The first phase of the port was finished in 1981 and the second phase was studied to meet increasing cargo and containerization.			
				-Purchase of a dredging ship and other construction machines related : 1 set -Breakwater (construction and transfer) : 362m -Dredging : 72,000cu.m			
3.SECTOR		4.REFERENCE NO.		5.TYPE OF STUDY			
Transportation/Port				F/S			
6.COUNTERPART AGENCY		7.OBJECTIVES OF STUDY		8.DATE OF S/W			
Ministry of Public Works and Transport (MOPT)		Countermeasures for sedimentation, and a short-term development plan for 1992		Feb.1985			
9.CONCONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS		5.TECHNICAL TRANSFER		2.MAJOR REASONS FOR PRESENT STATUS Worsening of national financial condition	
Overseas Coastal Area Development Institute of Japan Central Consultant, Inc.		Feasibility: EIRR1) 23.70 FIRR1) 8.26 Yes EIRR2) FIRR2) EIRR3) FIRR3)		(FY 1993 Domestic Survey)			
10.STUDY TEAM		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION			
No.of Members 8 Period Sep.1985-Jul.1986(10 months)				<input checked="" type="checkbox"/> ②			
12.EXPENDITURE							
Total		159,960 (¥'000)					
Contracted		141,935					

和名 カルデラ港維持整備計画

(F/S,D/D)

PROJECT SUMMARY (M/P+F/S)

CSA CRI/A 201B/88

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																																
1.COUNTRY	Costa Rica	1.SITE OR AREA	Limon area located in eastern coastal zone of the Atlantic			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																															
2.NAME OF STUDY	Limon Integrated Agricultural Development Project	2.PROJECT COST (US\$1,000)	M/P 1) 89,309 2) 53,915	Local Cost	27,321 Foreign Cost 11,203			42,712																																														
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	<p><M/P> Elimination of the seasonal flood damage and improvement of the poor drainage area on the existing arable land are recognized as the major components of the project to promote the stable agricultural management in the area.</p> <p><F/S> B block which has the highest priority is selected as the objective area for the F/S (19,500 ha). Summaries of the project components are as follows:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 25%; text-align: center;"><M/P></td> <td style="width: 25%; text-align: center;"><F/S></td> </tr> <tr> <td>1. Drainage Improvement Plan</td> <td></td> <td></td> </tr> <tr> <td> New construction of principal drainage canals</td> <td style="text-align: center;">124.0km</td> <td style="text-align: center;">32.10km</td> </tr> <tr> <td> Rehabilitation of principal drainage canals</td> <td style="text-align: center;">43.9km</td> <td style="text-align: center;">25.95km</td> </tr> <tr> <td> New construction of secondary drainage canals</td> <td style="text-align: center;">218.7km</td> <td style="text-align: center;">42.40km</td> </tr> <tr> <td> Rehabilitation of secondary drainage canals</td> <td style="text-align: center;">-</td> <td style="text-align: center;">24.70km</td> </tr> <tr> <td>2. Agricultural production Plan</td> <td></td> <td></td> </tr> <tr> <td> Establishment of 7 farming patterns</td> <td></td> <td></td> </tr> <tr> <td>3. Flood Protection Plan</td> <td style="text-align: center;">Foundation of the embankment 118.2km</td> <td style="text-align: center;">56.10km</td> </tr> <tr> <td>4. Road network Plan</td> <td style="text-align: center;">New construction 81.5km</td> <td style="text-align: center;">13.60km</td> </tr> <tr> <td></td> <td style="text-align: center;">Rehabilitation 151.3km</td> <td style="text-align: center;">46.00km</td> </tr> <tr> <td>5. Land Consolidation Plan</td> <td style="text-align: center;">44,240ha</td> <td></td> </tr> <tr> <td> Improvement of drainage canals and farm roads</td> <td></td> <td></td> </tr> <tr> <td>6. Rural Infrastructure Plan</td> <td colspan="2" style="text-align: center;">Water supply facilities for 5 villages (on F/S)</td> </tr> <tr> <td>7. Settlement and rural development plan</td> <td colspan="2" style="text-align: center;">Improvement of public facilities in three new settlement areas (on M/P)</td> </tr> <tr> <td>8. Agricultural Promotion Plan</td> <td colspan="2" style="text-align: center;">Strengthening of agricultural supporting organizations, Improvement of farmer's organizations, Establishment of the agricultural machinery centers, Establishment of the post-harvest facilities</td> </tr> </table>					<M/P>	<F/S>	1. Drainage Improvement Plan			New construction of principal drainage canals	124.0km	32.10km	Rehabilitation of principal drainage canals	43.9km	25.95km	New construction of secondary drainage canals	218.7km	42.40km	Rehabilitation of secondary drainage canals	-	24.70km	2. Agricultural production Plan			Establishment of 7 farming patterns			3. Flood Protection Plan	Foundation of the embankment 118.2km	56.10km	4. Road network Plan	New construction 81.5km	13.60km		Rehabilitation 151.3km	46.00km	5. Land Consolidation Plan	44,240ha		Improvement of drainage canals and farm roads			6. Rural Infrastructure Plan	Water supply facilities for 5 villages (on F/S)		7. Settlement and rural development plan	Improvement of public facilities in three new settlement areas (on M/P)		8. Agricultural Promotion Plan	Strengthening of agricultural supporting organizations, Improvement of farmer's organizations, Establishment of the agricultural machinery centers, Establishment of the post-harvest facilities	
	<M/P>	<F/S>																																																				
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4. REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 12.00 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)	<p>(Description)</p> <p><M/P> B block (object area of 19,500ha) is selected as the priority project area based on the M/P study. The F/S study for the B block has been carried out from January to October in 1988.</p> <p><F/S> 1990.2 After completion of the F/S study, SENARA which is the counterpart agency requested the loan assistance to the Japanese government through MIDEPLAN to implement the project. S/N has not been concluded yet as of Nov. 1990.</p> <p>(FY 1991 Overseas Survey) The project is delayed because of financial problem. The land owner of the target area provides loans to the project.</p> <p>(FY1992 Overseas Survey) The revised F/S is necessary in order to adjust the project to new circumstances. The project in B block focusing the flood protection schedule should be implemented. Finance of the project is pending until the M/P and the study of B block are completed.</p> <p>(FY1993 Overseas Survey) This study played an important role as a base of banana plantation development in the area. SENARA requested MIDEPLAN to provide necessary cooperation for final plan. However, it has not been realized yet.</p>																																																
5.TYPE OF STUDY	M/P+F/S	5. TECHNICAL TRANSFER	- Training of counterparts in Japan - Furnishing of the equipment and guidance of its use - OJT																																																			
6.COUNTERPART AGENCY	Servicio Nacional de Aguas Subterranas, Riego y Avenamiento (SENARA)	10. STUDY TEAM	Conditions and Development Impacts: Conditions (mainly for F/S) (1) Based on the new compiled topographical map (scale 1 to 10,000), capacity and structure of the proposed facilities will be studied in view of the high economic efficiency. (2) Gravity drainage system is applied as far as possible taking into account environmental conservation in the projected area. (3) Easy operation and maintenance structures of the drainage facilities must be introduced because insufficient O&M activities can be considered. (4-5) etc. Development Impacts: (mainly for F/S) (1) Increase of agricultural products around 97,000 ton compared with present production. (2) Increase of employment opportunity and income are estimated at 240 heads/annum, from 180,000 to 200,000 colonos annum particularly on the average farmer household.																																																			
7.OBJECTIVES OF STUDY	Formulation of agricultural and rural development plan	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																																																				
8.DATE OF S/W	Aug.1986	12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Total</td> <td style="width: 15%;">269,718 (¥'000)</td> <td colspan="4"></td> </tr> <tr> <td>Contracted</td> <td>208,710</td> <td colspan="4"></td> </tr> </table>				Total	269,718 (¥'000)					Contracted	208,710																																								
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9. CONSULTANT(S)	Naigai Engineering Co., Ltd. Pacific Consultants International Sanyu Consultants Inc.	2.MAJOR REASONS FOR PRESENT STATUS	The object area located in coastal zone of the Atlantic is left behind the agricultural development though suitable area for agricultural development still remains in and around the object area. Qualitative improvement and quantitative enlargement of the agricultural production are the urgent subjects in the nation. Accordingly, implementation of the project is strongly anticipated.																																																			
		3. PRINCIPAL SOURCE OF INFORMATION	①②																																																			

和名 リモン地区農業総合開発計画

(M/P+F/S)

PROJECT SUMMARY (Basic Study)

CSA CRI/S 501/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS					
1.COUNTRY	Costa Rica	1.SITE OR AREA	San Jose 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		2.PROJECT COST			(Description) The outputs of this project (aerial photography) are managed by the Instituto Geografico National and widely used in the public planning. The maps are used in the following plans. - Drainage improvement plan for Metropolitan Area of San Jose City (MASJC) - Water supply improvement plan for MASJC. - Road sign improvement plan for MASJC. - National park tourism plan (FY1992 Overseas Survey) The outputs of this project are distributed to the government, academic and private organizations. The use of digitalization of the maps is started for establishment of geographic information system.					
Mapping Project for Metropolitan Area of San Jose City		(US\$1,000)								
		Total Cost Local Cost Foreign Cost 1) 2)								
3.SECTOR		3.CONTENTS OF MAJOR PROJECT(S)								
Social Infrastructures/Survey & Mapping		Aerial photography 1:20,000 (16,000sq.)								
4.REFERENCE NO.		1/10,000 Topographic maps 79 (1,600sq)								
5.TYPE OF STUDY		1/10,000 Land use maps 40 (800sq)								
6.COUNTERPART AGENCY										
Instituto Geografico National (IGN)										
7.OBJECTIVES OF STUDY										
Topographic Mapping		4.CONDITIONS AND DEVELOPMENT IMPACTS								
8.DATE OF S/W		The San Jose Metropolitan Area is the center of politics, economy, and culture with 70% of the whole population. Recently most of the industries and agriculture are concentrated in this area, which cause urban problems and environmental deterioration. The government of Costa Rica intends to develop the total area in near future. This study is for that purpose due to inefficiency of the existing map.								
Oct.1988										
9.CONSULTANT(S)										
International Engineering Consultants Association										
10.STUDY TEAM										
No.of Members Period Oct.1988-Dec.1991 (39 months)										
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> </table>		Total M/M	Japan	Field						
Total M/M	Japan	Field								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY										
12.EXPENDITURE		5. TECHNICAL TRANSFER			2.MAJOR REASONS FOR PRESENT STATUS					
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">845,975 (¥'000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td></td> </tr> </table>		Total	845,975 (¥'000)	Contracted					(FY1992 Overseas Survey) This project was concluded when outputs of the project in 1992 were officially handed in. The Instituto Geografico National continues to be in charge of interpretation and handling of the maps.	
Total	845,975 (¥'000)									
Contracted										
					3.PRINCIPAL SOURCE OF INFORMATION					
					①②					

和名 サンホセ首都圏都市基本図作成

(M/P, Basic Study, Other)

PROJECT SUMMARY (M/P+F/S)

CSA CRI/S 201B/92

Compiled Mar.1994
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Costa Rica	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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY Development Project of Three International Airports		Juan Santamaria International Airport Liberia International Airport Limon International Airport					
3.SECTOR Transportation/Air Transportaion & Airport		2.PROJECT COST (US\$1,000)		Local Cost	Foreign Cost	(Description) At the time of preparing the draft final report when the conclusions of the study was visualized, the Government of Costa Rica determined the implementation of the part of short-term development project (expansion of the passenger terminal building and construction of new apron) which was proposed in this study. Based on the result of the JICA study, DGAC completed the basic design of the above facilities and at present prepares a tendering to start a detailed design at the beginning of year 1993 and to continue the construction works. This construction is planned to be financed by the Government of the Costa Rica.	
4.REFERENCE NO.		M/P 1) 2)		53,000			
5.TYPE OF STUDY		F/S 1) 2) 3)					
6.COUNTERPART AGENCY Ministry of Public Works and Transport (MOPT)		3.CONTENTS OF MAJOR PROJECT(S)					
7.OBJECTIVES OF STUDY Preparation of master plan and feasibility study of the priority project on the short-term development project		<M/P> Development of Three Airports. 1. Juan Santamaria International Airport (Civil works, Architectural Works, Air Navigations Systems, Airport Utilities Works etc.) US\$ 43.2 million (Short) US\$ 214.2 million (Short) 2. Liberia International Airport (Civil works, Architectural Works, Air Navigations Systems, Airport Utilities Works) US\$ 12.7 million (Long) 3. Limon International Airport (Civil works, Architectural Works, Air Navigations Systems, Airport Utilities Works) US\$ 4.9 million (Long)					
8.DATE OF S/W		Oct.1990					
9.CONSULTANT(S) Pacific Consultants International		<F/S> The following works were proposed for the short-term development project of Juan Santamaria International Airport (the project) which was produced within the framework of the long-term airport master planning: 1. Civil Works US\$ 10.7 million 2. Architectural Works US\$ 22.2 million 3. Air Navigation Systems US\$ 3.6 million 4. Airport Utilities Works US\$ 3.9 million 5. Compensation Works, Engineering Services and Contingency US\$ 13.6 million					
10.STUDY TEAM		4.FEASIBILITY AND ITS ASSUMPTIONS					
No.of Members 8 Period Aug.1991-Nov.1992 (16 months)		Feasibility: Yes EIRR1) 27.50 FIRR1) 5.70 EIRR2) FIRR2) EIRR3) FIRR3)					
Total M/M Japan Field 47.59 29.75 17.84		Conditions and Development Impacts: <M/P> 1. Juan Santamaria International Airport Development of the Capital Airport is effective on the promotion of national economics. Urgent development is necessary to solve the capacity problem and to assure the air transport safety. 2. Liberia International Airport Expansion of Liberia Airport in tourism region here effect on the economics. 3. Limon International Airport Improvement of Limon Airport is expected to revitalize Limon economics. <F/S> The implementation of the project will, moreover, have impacts on: - Contribution to international tourism development, - Contribution to increase opportunities of trade and business, - Enhancing foreign investment, - Generating employment opportunities, and - Assurance of air transport safety.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic Survey, Soil Investigation, Pavement Structure Investigation, Obstruction Survey		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS	
12.EXPENDITURE		1. Invitation of Trainees Mr. Fernando Hdez, January 1992 Mr. Isabel Lopez, March 1992				3.PRINCIPAL SOURCE OF INFORMATION	
Total 174,252 (¥'000) Contracted 157,000						①	

和名 国際空港整備計画

(M/P+F/S)

PROJECT SUMMARY (F/S)

CSA DOM/S 301/85

Compiled Mar.1988
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Dominican Republic	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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY Radio and Television Development Project		2.PROJECT COST		Total Cost	Local Cost		
				(US\$1,000) 1) 12,338	730	11,608	
				(US\$1=245yen=3.23pesos) 2)			
				3)			
3.SECTOR Communications & Broadcasting/Broadcasting		3.CONTENTS OF MAJOR PROJECT(S)				(Description) The project is implemented by FY 1990 Japanese Grant. 1991.6 E/N Signed. (527 million Yen) (FY1991 Overseas Survey) 1991-1992 D/D 1992-1993 Scheduled to be constructed. (FY1992 Overseas Survey) 1991.6 Construction started. 1992.7 E/N signed (740 million Yen) 1993.8 Construction is scheduled to end. The first phase of construction is completed according to the schedule. The second phase has been implemented and scheduled to end in September, 1993. (FY 1993 Overseas Survey) 1993.10 Construction work completed. The government requested JICA to dispatch an expert related to this project.	
4.REFERENCE NO.		1)Broadcasting antennas radio(FM) 1 set TV(2DP) 1 set					
5.TYPE OF STUDY		2)Transmission equipment radio(FM) 2 sets TV 2 sets					
6.COUNTERPART AGENCY Radio Television Commission		3)STL(RTVD Santo Domingo - Aldela Bandela) radio(FM) 2 sets of 960MHz transmitting and receiving equipment TVAESHP 2 sets of transmitting and receiving equipment					
7.OBJECTIVES OF STUDY Expansion and improvement of educational radio and TV broadcasting		4)Local TV relay stations replacement of receiving equipment at 8 TV relay stations					
8.DATE OF S/W		Imp. Period: .1989-.2000					
9.CONULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.80 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)		
10.STUDY TEAM		Conditions and Development Impacts: Conditions: 1)Projection of school enrollments based on the population forecast(2000) and the improved rate of enrollment 2)Elimination of adult illiterate population, (1985, 0.54 million) by 2000 3)Reduction of unenrolled children in primary school (from 0.25 million in 1985 to 70,000) Development Impacts: -Elimination of illiteracy among school children and adult population -Contribution to advanced manpower training in various fields					
No.of Members 17 Period Aug.1984-Jul.1985(11 months)							
		Total M/M	Japan	Field			
		34.47	22.04	12.43	2.MAJOR REASONS FOR PRESENT STATUS		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Topographic cross-section mapping		5.technical transfer				3.PRINCIPAL SOURCE OF INFORMATION	
12.EXPENDITURE		Acceptance of trainees (JICA counterpart training program)				①②	
Total 112,659 (¥'000)							
Contracted 98,721							

和名 ラジオ・テレビ放送網拡充計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA DOM/A 302/86

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Dominican Republic	1.SITE OR AREA		Maria, Trinidad Sanchez, Duarte, Samana, Aquacate, Guayabo (200km from capital, 17,000 people, 24,000ha)		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY Aquacate-Guayabo Agricultural development Project		2.PROJECT COST		Total Cost	Local Cost			Foreign Cost
		(US\$1,000)		42,839	20,648	22,191		
		US\$1=3.12RD\$ in 1986		1)	2)	3)		
3.SECTOR Agriculture/General		3.CONTENTS OF MAJOR PROJECT(S)				(Description) This project is part of the AGLIPO 3 Areas Agricultural Development Plan. F/S has been conducted following the Elposo area ('80/'82 F/S, '85/'90 completed). The project was to be started following Elposo. However due to the delay in paying interest on Yen credit, further loans will not be made until consultation with the IMF or the Paris Club is completed. The Dominican government realized the effectiveness of the Elposo project and has ranked this as the most important project. From the latest information, the Dominican Government will comply the request of the Paris Club and promote the reconstruction of economic condition. Therefore, there is high possibility of implementation of this Project. (FY1991 Overseas Survey) The OECF loan was requested in 1987, 1989 and 1990. (FY1993 Overseas Survey) OECF approved a loan on the project. However, L/A has not been signed yet.		
4.REFERENCE NO.		The purpose of this project is to promote agriculture of the Aquacate-Guayabo area within the AGLIPO area.						
5.TYPE OF STUDY		This follows development of the El Pozo area where construction, as a first step of the AGLIPO Agricultural Development Plan, has already completed. The following facilities have been formulated in the Project.						
6.COUNTERPART AGENCY		- Headworks : 1 - Arterial drainage : 56km - Training wall : 1 - Drainage gate : 1 - Drainage : 44 km - Road : 180 km						
7.OBJECTIVES OF STUDY		The purpose of the study is to formulate an optimum agricultural development plan to evaluate its technical and economic feasibility.						
8.DATE OF S/W	Nov.1984	Imp. Period: Jun.1986-Dec.1992						
9.CONSULTANT(S)		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 13.50 EIRR2) EIRR3)			
Pacific Consultants International Naigai Engineering Co., Ltd. Sanyu Consultants Inc.		Conditions and Development Impacts: (Condition) - The development plan is focused on rice production. Through the consolidation of agricultural infrastructures as well as the introduction of a double cropping cultivation system with improved varieties of rice in new developing areas, an improvement in rice productivity is expected. - So as to implement a double cropping system, with a view to attaining high level of agricultural production, irrigation and drainage canals and agricultural production infrastructure will be constructed. These facilities will become viable by a mitigation of flooding damage. (Development Impact) With the implementation of the present project, the under-developed Aquacate-Guayabo area will produce 12% of the total national production of paddy rice. Therefore, the project will also contribute toward food self-sufficiency and improve the balance of payments situation, creating new granary including El Pozo area and stimulating the development opportunity of swamps for the agricultural purpose. (FY 1993 Domestic Survey)						
10.STUDY TEAM						2.MAJOR REASONS FOR PRESENT STATUS		
No.of Members 11 Period Jun.1985-Aug.1986(15 months)								Due to financial difficulties of the Dominican Government
		Total M/M		Japan	Field			
		56.12		20.52	35.60			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY						3.PRINCIPAL SOURCE OF INFORMATION		
Geological survey								①②
12.EXPENDITURE								
		Total		206,853 (¥'000)				
		Contracted		175,677				

和名 アグアカテ・グアジャボ地域農業開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P+F/S)

CSA DOM/S 201B/87

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																		
1.COUNTRY	Dominican Republic	1.SITE OR AREA				1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input checked="" type="checkbox"/> Discontinued or Cancelled																																	
2.NAME OF STUDY	Development Project of the San Pedro de Macoris	2.PROJECT COST																																						
3.SECTOR	Transportation/Port	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">MP 1)</td> <td style="width: 10%;">65,000</td> <td style="width: 10%;">Local Cost</td> <td style="width: 10%;">21,000</td> <td style="width: 10%;">Foreign Cost</td> <td style="width: 10%;">42,000</td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>F/S 1)</td> <td>47,000</td> <td></td> <td>15,000</td> <td></td> <td>32,000</td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					MP 1)	65,000	Local Cost	21,000	Foreign Cost	42,000		2)							F/S 1)	47,000		15,000		32,000		2)							3)					
	MP 1)	65,000	Local Cost	21,000	Foreign Cost	42,000																																		
	2)																																							
	F/S 1)	47,000		15,000		32,000																																		
	2)																																							
	3)																																							
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)				(Description) The Government of the Dominican Republic could not reach an agreement with the IMF, and therefore has been unable to receive foreign finance. 1991.5 The government resumed negotiation with the IMF 1991.11 At the Paris club, it was settled with the total sum of US\$1.8 billion. This project is included in the list of projects which the office of national economic planning considers to implement with OECF fund. (see an attached list) The Vice-president of Dominican Republic is scheduled to visit Japan next April and to make requests for economic cooperations for this project as well as for other projects. (FY 1991 Overseas Survey) The Government of the Dominican Republic requested review of this study and the technical advice about the port development policy. (FY1992 Overseas Survey) The Dominican government has not yet used the M/P. The government is not looking for financial sources to support this project. (FY1993 Overseas Survey) Dominican Government think this project impossible. The National Budget of 1994 did not include the project.																																		
5.TYPE OF STUDY	M/P+F/S	<M/P> The study formulated a master plan (until 2005) To handle 1.3 million tons, estimated in 2005, 7 wharves will be constructed. 1) Wharves depth -5m length 100m -7.5m 260m -11.0m 840m 2) Container Terminal 3) Ferry Terminal 4) Port Management Office 5) Maintenance Shop <F/S> To handle 1 million tons, estimated in 1995, 6 berths are located on the eastern side. Introduction of new cargo handling system and establishment of port managing body are proposed. Short Term Plan (until 1995) 1) Wharves depth -5m length 100m -7.5m 260m -11m 630m 2) Container Terminal 3) Ferry Terminal 4) Port Management Office 5) Maintenance Shop																																						
6.COUNTERPART AGENCY	Ministry of Public Works and Communications	Imp. Period: Jan.1992-Dec.1994																																						
7.OBJECTIVES OF STUDY	Formulation of Master Plan in the target year of 2000 Formulation of short-term development plan in 1995 and execution of feasibility study	4.FEASIBILITY AND ITS ASSUMPTIONS																																						
8.DATE OF S/W	Feb.1986	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">Feasibility:</td> <td style="width: 10%;">EIRR1)</td> <td style="width: 10%;">20.00</td> <td style="width: 10%;">FIRR1)</td> <td style="width: 10%;">7.00</td> </tr> <tr> <td></td> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </table>							Feasibility:	EIRR1)	20.00	FIRR1)	7.00		Yes	EIRR2)		FIRR2)				EIRR3)		FIRR3)																
	Feasibility:	EIRR1)	20.00	FIRR1)	7.00																																			
	Yes	EIRR2)		FIRR2)																																				
		EIRR3)		FIRR3)																																				
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Japan Nippon Tetrapod Co., Ltd.	Conditions and Development Impacts: <M/P> [Development Impacts] - Provision of the industrial infrastructure and development of the industrial free zone through port construction - Stimulation of regional development in the five eastern provinces, and alleviation of population pressures in the national capital (Saint Domingo) - Coordination with relevant regional development plans for Eastern Region. - Establishment overall port management body and clarification of duties. [Prerequisites] - The present tariff are applied. - The project life is 25 years from 1994 until 2018 <F/S> [Conditions] Savings of ships' waiting costs and land transport costs are considered as benefits																																						
10.STUDY TEAM	No.of Members 7 Period Sep.1986-Nov.1987 (15 months) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Total M/M</td> <td style="width: 33%;">Japan</td> <td style="width: 33%;">Field</td> </tr> <tr> <td style="text-align: center;">45.20</td> <td style="text-align: center;">25.20</td> <td style="text-align: center;">20.00</td> </tr> </table>							Total M/M	Japan	Field	45.20	25.20	20.00																											
Total M/M	Japan	Field																																						
45.20	25.20	20.00																																						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Application of the local consultant for the soil investigation and measurement in the site survey	5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS																																		
12.EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Total</td> <td style="width: 10%;">145,122</td> <td style="width: 10%;">(¥'000)</td> </tr> <tr> <td>Contracted</td> <td>138,053</td> <td></td> </tr> </table>	Total	145,122	(¥'000)	Contracted	138,053		1) OJT on soil investigation, and measurement 2) Training on methods and technology concerning port development planning				Worsened economic circumstances necessitated the delay. It is said that Japanese Embassy at Dominia is now active to provide various assistance after the settlement with the Paris Club by the Dominican government.																												
Total	145,122	(¥'000)																																						
Contracted	138,053																																							
						3.PRINCIPAL SOURCE OF INFORMATION																																		
						①②																																		

和名 サンペドロデマコリス港開発計画

(M/P+F/S)

PROJECT SUMMARY (F/S)

CSA DOM/A 303/90

Compiled Mar.1992
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Dominican Republic	1.SITE OR AREA	Constanza Valley area situated about 140km north-west of the capital			1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Constanza Valley Irrigation Project	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Agriculture/General		(US\$1,000)	1) 16,657	2) 7,268	(Description) It may be restricted to urgent Canal Works of which construction cost is estimated about 1,000 million Yen. (FY1991 Overseas Survey) The Dominican Republic requested grant aid to the Japanese Government in 1990. (FY1993 Overseas Survey) Jan. 1994 E/N Grant Aid 5,460 million yen. This project will be completed by 1996. Dominican side budgeted US\$ 158 thousand for the project.	
4.REFERENCE NO.		3.CONTENTIS OF MAJOR PROJECT(S)	3)				
5.TYPE OF STUDY	F/S	The project aim at improving present irrigation condition for the Constanza Valley the improvement of the present irrigation scheme. Main facilities of the Project are as follows.					
6.COUNTERPART AGENCY	National hydraulic resources institute	1. Dam - central core type rockfill dam Height of dam: 30m, Length of crest: 162m, Dam volume: 214,000 cub.m, Total storage capacity: 1,050,000 cub.m					
7.OBJECTIVES OF STUDY	Feasibility study on the agricultural development in Constanza area	2. Head works and head race Construction of Mountain stream diversion works and Head race. Discharge: 1.0 cub.m/s					
8.DATE OF S/W	Nov.1988	3. Canal New construction and rehabilitation: 67.35km Related facilities: Diversion works/Confluence works, Chute, Small intake gate, Farm pond, Siphon, Aqueduct					
9.CONSULTANT(S)	Pacific Consultants International	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 15.17	FIRR1) 13.24		
10.STUDY TEAM	No.of Members 9 Period Jul.1989-Mar.1990(9 months)	Conditions and Development Impacts: The project effect is based on the introduction of the profitable crops, such as garlic, vegetable, etc., through the improvement of the irrigation scheme.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey	Development Impacts: 1. Crop production benefit Crop benefit at economical price: US\$4,400,000/year 2. Socio-economic effects (1) Contribution to national development plan (2) Stable supply of vegetables (3) Expansion of exportation (4) Increase of employment opportunity (5) Improvement of living standard (6) Economic stimulation					
12.EXPENDITURE	Total 154,454 (¥000) Contracted 125,169	5.technical transfer	1. On the job training 2. Counterpart's training of Japan				
						3.PRINCIPAL SOURCE OF INFORMATION	①②

和名 コンスタンサ地域畑地灌漑計画

(F/S,D/D)

PROJECT SUMMARY (Basic Study)

CSA DOM/S 501/92

Compiled Mar.1994
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS			
1.COUNTRY	Dominican Republic	1.SITE OR AREA	Four Provinces - MONTE CRISTI - ELIAS PINA - DAJABON - INDEPENDENCIA			1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued	
2.NAME OF STUDY	Groundwater Development Project in The Western Region	2.PROJECT COST				(US\$1,000)	Total Cost	Local Cost
3.SECTOR	Social Infrastructures/Water Resource Development		1)	10,217	3,399	6,818		
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)			2.MAJOR REASONS FOR PRESENT STATUS			
5.TYPE OF STUDY	Basic Study	Proposed rural villeges are selected from 158 villeges which were requested by Government of Dominican Republic. The Facilities required in this project are as follows:						
6.COUNTERPART AGENCY	Instituto Nacional de Aguas Potables y Alcantarillados	a. Hand Pump System 40 villeges (131 wells) b. Motor Pump System 7 villeges (4 wells) c. Reservoir Pond, Purification 2 places (7 villeges) Booster Pump System d. Water Conveyance System 2 sets (4 villeges)						
7.OBJECTIVES OF STUDY	To evaluate the development potential of groundwater resources in the four western provinces. To prepare water resources development plan including rural water supply plan for the 158	4.CONDITIONS AND DEVELOPMENT IMPACTS						
8.DATE OF S/W	Feb.1990	In accordance with the water shortage conditions, urgency for water supply development, and the difficulties in water development works, the (95) target villeges were cateqorized into 3 classes.						
9.CONSULTANT(S)	Kokusai Kougyo Co., Ltd. Sumiko Consultants Co, Ltd	A: Villeges with grave water shortage conditions and very urqent need for water development. B: Villeges with a relatively low demand for water development in comparison with (A). C: Villeges covered by the existing urban water supply services; with inaccessible roads; with mountain stream water as their sole water source; with a household population of less than 20; with small groundwater development potential; and those located at the northern mountains of Independencia.						
10.STUDY TEAM	No.of Members 13 Period Oct.1990-Sep.1992 (24 months)							
Total M/M Japan Field 72.86 14.16 58.70		5. TECHNICAL TRANSFER					3.PRINCIPAL SOURCE OF INFORMATION ①②	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Water Quality Test 107 samples Drilling Test and Pumping Test 27 sites Pilot Water Supply System 1 site		Technical transfer are carried out by each experts of the study team through the field survey.						
12.EXPENDITURE								
Total 562,538 (¥000) Contracted								

和名 西部地下水開発計画

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

CSA ECU/A 301/82

Compiled Mar.1990
Revised Dec.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																														
1. COUNTRY	Ecuador	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"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																													
2. NAME OF STUDY		Catarama of Los. Rios Province (19,860ha, Population 7,880 persons)																																																		
3. SECTOR		2. PROJECT COST				(Description)																																														
Agriculture/General		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td>1)</td> <td style="text-align: center;">43,900</td> <td style="text-align: center;">22,872</td> <td style="text-align: center;">21,028</td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> </tr> </table>								Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1)	43,900	22,872	21,028		2)					3)																												
		Total Cost	Local Cost	Foreign Cost																																																
(US\$1,000)	1)	43,900	22,872	21,028																																																
	2)																																																			
	3)																																																			
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)				Feb.1988 OECF L/A signed (8,594 million yen) Sep.1990-Aug.1991 D/D undertaken (3,860 ha in Sibimbe and 2,590 ha in Catarama) Oct.1992 start of construction Feb.1994 Construction to be completed																																														
5. TYPE OF STUDY		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">Sibimbe</td> <td style="width: 10%;">Catarama</td> <td style="width: 10%;">Las Piedras</td> <td style="width: 10%;">Northwest</td> </tr> <tr> <td>1) Net irrigation area:</td> <td style="text-align: center;">3,470ha</td> <td style="text-align: center;">2,330ha</td> <td style="text-align: center;">290ha</td> <td style="text-align: center;">1,950ha</td> </tr> <tr> <td>2) Diversion weir: Height 3.5m, length 50m - Height 3.0m, length 35m</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>3) Pumping station:</td> <td style="text-align: center;">-</td> <td style="text-align: center;">66cu.m./min.x3pumps</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>4) Main irrq.canal:</td> <td style="text-align: center;">17.94km</td> <td style="text-align: center;">2.98km</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>5) Secondary irrq.canals:</td> <td style="text-align: center;">27.02km</td> <td style="text-align: center;">23.74km</td> <td style="text-align: center;">5.7km</td> <td style="text-align: center;">-</td> </tr> <tr> <td>6) Main drainage canals:</td> <td style="text-align: center;">16.6km</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>7) Secondary drain.canals:</td> <td style="text-align: center;">33.7km</td> <td style="text-align: center;">24.6km</td> <td style="text-align: center;">-</td> <td style="text-align: center;">47.3km</td> </tr> <tr> <td>8) Project cost (US\$1,000):</td> <td style="text-align: center;">23,600</td> <td style="text-align: center;">11,700</td> <td style="text-align: center;">1,000</td> <td style="text-align: center;">7,600</td> </tr> </table>							Sibimbe	Catarama	Las Piedras	Northwest	1) Net irrigation area:	3,470ha	2,330ha	290ha	1,950ha	2) Diversion weir: Height 3.5m, length 50m - Height 3.0m, length 35m	-	-	-	-	3) Pumping station:	-	66cu.m./min.x3pumps	-	-	4) Main irrq.canal:	17.94km	2.98km	-	-	5) Secondary irrq.canals:	27.02km	23.74km	5.7km	-	6) Main drainage canals:	16.6km	-	-	-	7) Secondary drain.canals:	33.7km	24.6km	-	47.3km	8) Project cost (US\$1,000):	23,600	11,700	1,000	7,600
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6. COUNTERPART AGENCY		Major facilities																																																		
Ministry of Agriculture and Livestock Guayas River Basin Development Study Committee (CEDEGE)		Formulation of agricultural development in Catarama River Basin																																																		
7. OBJECTIVES OF STUDY		8. DATE OF S/W																																																		
Nov.1980		Imp. Period: May.1982-Nov.1988																																																		
9. CONSULTANT(S)		4. FEASIBILITY AND ITS ASSUMPTIONS																																																		
Nippon Koel Co., Ltd. Kyowa Engineering Consultants Co., Ltd.		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">Feasibility:</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">EIRR1)</td> <td style="text-align: center;">16.40</td> <td style="text-align: center;">FIRR1)</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR2)</td> <td></td> <td style="text-align: center;">FIRR2)</td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">EIRR3)</td> <td></td> <td style="text-align: center;">FIRR3)</td> <td></td> </tr> </table>					Feasibility:						Yes	EIRR1)	16.40	FIRR1)				EIRR2)		FIRR2)				EIRR3)		FIRR3)																								
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		EIRR3)		FIRR3)																																																
10. STUDY TEAM		Conditions and Development Impacts:																																																		
No. of Members 10 Period Sep.1981-Jul.1982 (11 months)		Conditions: Sibimbe: Annuals: Paddy double crop 505ha, paddy and other annuals 1,535ha, dry season paddy 205ha; Perennials: cocoa 410ha, coffee 130ha, cocoa/coffee mixed 260ha, pasture 425ha; Catarama: Paddy and other annuals 800ha, paddy monocropping 440ha, cocoa 750ha, pasture 750ha; Las Piedras: Cocoa and coffee 290ha; Northwest: paddy in hilly areas 440ha, rainfed paddy in lowlying areas 740ha, dry season maize 135ha, dry season soybean 45ha, pasture rainy season 100ha, dry season 340ha. Development Impacts: (1) increase of farmers' net income (2.5 times), (2) contribution of agricultural production (amounting to 160 million sucres) to regional development, (3) increased employment, (4) stimulation of agro-industries, and (5) improvement of living environment and health. * Economic and financial IRRs are 16.1% and 11.1% for Sibimbe, 15.8% and 11.2% for Catarama, 12.3% and 7.6% for Las Piedras, and 14.1% and 9.2% for Northwest.																																																		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER																																																		
12. EXPENDITURE		3. PRINCIPAL SOURCE OF INFORMATION																																																		
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		①②④																																																		

和名 コスタ地区カタラマ川流域農業開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P+F/S)

CSA ECU/S 201B/86

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT																																		
1.COUNTRY	Ecuador	1.SITE OR AREA				1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled																																	
2.NAME OF STUDY		Guayaquil urban area /Total study area 41,200 ha. F/S Study area 13,200 ha / population 1.52 Million ('85)																																						
3.SECTOR		2.PROJECT COST (US\$1,000)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">M/P 1)</td> <td style="width: 10%;">162,000</td> <td style="width: 10%;">Local Cost</td> <td style="width: 10%;">58,000</td> <td style="width: 10%;">Foreign Cost</td> <td style="width: 10%;">104,000</td> </tr> <tr> <td></td> <td>2)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>F/S 1)</td> <td>139,000</td> <td></td> <td>50,000</td> <td></td> <td>89,000</td> </tr> <tr> <td></td> <td>2)</td> <td>218,000</td> <td></td> <td>89,000</td> <td></td> <td>143,000</td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			M/P 1)	162,000	Local Cost	58,000	Foreign Cost	104,000		2)							F/S 1)	139,000		50,000		89,000		2)	218,000		89,000		143,000		3)					
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	2)	218,000		89,000		143,000																																		
	3)																																							
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)				(Description) <M/P> It was proposed in the master plan to undertake a feasibility study on (i) the elevated railway (15km) through the city from north to south, and (ii) the ring road in the city and improvement of the related roads. After the consultation, it was formally agreed to undertake the study on the railway project. Owing to the procedural delay, however, the feasibility study was undertaken one year after the completion of the master plan phase of the study. <F/S> The elevated railway project was adopted as one of the national projects in the five-year development plan (1986 - 1990). The Government of Ecuador applied for an OECF loan in 1986. Because the application was made before the completion of this feasibility study, the OECF appraisal was put off till next year. Owing to the decline in price of crude oil and primary commodities, the economic conditions seriously deteriorated in 1987, making it difficult to secure funds for local currency component of the project. At the same time, the newly elected President initiated the review of the country's economic policy. No action has been taken to pursue the application to the OECF ven credit.																																		
5.TYPE OF STUDY		<M/P> 1) Road Network Plan - Extension of proposed Road Network 71.8km long - Improvement of Intersections at 17 locations 2) Extension of MRT Plan - Construction of a railway urban transportation system - Extension of 51km, and 51 stations Total cost above pertains to the elevated railroad project (15 km) (1982 prices) <F/S> An elevated urban railroad project, starting from the big bus terminal in the northern part of the city, through the central area, and till the southern residential area where is highly populated. Route length 15km No. of stations 12 No. of demand 401,000/day The total cost pertains 1) to the Phase I of the elevated railroad project (9.1 km), and 2) to the total railroad project (15 km) (1985 prices).																																						
6.COUNTERPART AGENCY		Imp. Period: Jan.1988-Dec.1992				2.MAJOR REASONS FOR PRESENT STATUS Because of prices of crude oil and agricultural products decreasing, the government cut down the budget and the new president reviewed the economic policy and national projects.																																		
7.OBJECTIVES OF STUDY		4.FEASIBILITY AND ITS ASSUMPTIONS <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">Feasibility:</td> <td style="width: 10%;">EIRR1)</td> <td style="width: 10%;">18.60</td> <td style="width: 10%;">FIRR1)</td> <td style="width: 10%;">13.30</td> </tr> <tr> <td></td> <td>Yes</td> <td>EIRR2)</td> <td>17.80</td> <td>FIRR2)</td> <td>12.80</td> </tr> <tr> <td></td> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </table>							Feasibility:	EIRR1)	18.60	FIRR1)	13.30		Yes	EIRR2)	17.80	FIRR2)	12.80			EIRR3)		FIRR3)																
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		EIRR3)		FIRR3)																																				
8.DATE OF S/W		10.STUDY TEAM No.of Members 15 Period Mar.1982-Aug.1983 (32 months) Oct.1985-Dec.1986 <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">Total M/M</td> <td style="width: 10%;">Japan</td> <td style="width: 10%;">Field</td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td>149.70</td> <td>68.80</td> <td>80.90</td> <td></td> </tr> </table>					Total M/M	Japan	Field			149.70	68.80	80.90		3.PRINCIPAL SOURCE OF INFORMATION ①																								
	Total M/M	Japan	Field																																					
	149.70	68.80	80.90																																					
9.CONSULTANT(S)		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Conditions and Development Impacts: <M/P><Conditions> Proposed projects and their implementation schedule are based on the share of the budget in the last few years and in addition, another monetary resources. Therefore, these funds should be allotted to the projects as planned in the study. <Effect> -Solution of traffic bottlenecks in the central area -Improvement and activation of the public transportation system -Improvement of mono-centralization of the center -Development of commercial subcenters <F/S><Conditions> Since the railroad demand is diverted mainly from the existing bus trips and the railroad is much more predominant than buses, it is necessary to make them coexist efficiently and restructure the bus network. <Impacts> Decrease of travel time, relief of traffic congestion on streets, improvement of public transport system, promotion of urban development on the wayside.																																						
12.EXPENDITURE		5.technical transfer																																						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;">Total</td> <td style="width: 10%;">467,044</td> <td style="width: 10%;">(¥'000)</td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td>Contracted</td> <td>430,000</td> <td></td> <td></td> </tr> </table>			Total	467,044	(¥'000)					Contracted	430,000			Acceptance of trainees: 4 staffs (2 for M/P, 2 for F/S) Teaching of technique from traffic survey to economic analysis, etc.																										
	Total	467,044	(¥'000)																																					
	Contracted	430,000																																						

和名 グアヤキル市都市交通計画調査

(M/P+F/S)

PROJECT SUMMARY (Basic Study)

CSA ECU/A 501/88

Compiled Mar. 1990
Revised Dec. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS		
1. COUNTRY	Ecuador	1. SITE OR AREA	An area of 10,000 sq.km Napo Province of Northeastern region			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Estudio forestal de la region noreste	2. PROJECT COST	(US\$1,000)	Total Cost	Local Cost	Foreign Cost	(Description) (FY 1991 Overseas Survey) The study prepared 36 plates of maps with three different scales (1:20,000, 1:50,000, and 1:100,000), which are being used as bases for planning forest resource utilization, forestry projects, afforestation programs, etc.
3. SECTOR	Forestry/General		1)				
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	2)				
5. TYPE OF STUDY	Basic Study	Guideline of forest management and development plan was prepared and following proposals were prepared based on this guideline. 1. Arrangement of forest and forestry policy 2. Arrangement of basic related information to forest operations 3. Promotion of re-afforestation and agro-forestry 4. Promotion of study, development and diffusion of re-afforestation technology. 5. Promotion of development policy of forestry related industry 6. Concentration of land use and advanced utilization of land.					
6. COUNTERPART AGENCY	The Ministry of Agriculture and Livestock	4. CONDITIONS AND DEVELOPMENT IMPACTS					
7. OBJECTIVES OF STUDY	Guideline of forest management and development plan will be prepared. This aims at the contribution to development of socio-economic condition of northeastern region in Ecuador.						
8. DATE OF S/W	Oct. 1984						
9. CONSULTANT(S)	Japan Forest Technical Association Kokusai Kougyo Co., Ltd.	There will be effective impacts by forest development as follows: 1. Increase of timber supply 2. Contribution to national finance 3. Development of regional socio-economy 4. Extension to other regions					
10. STUDY TEAM							
No. of Members 17 Period Jun. 1985-Dec. 1988 (42 months)							
					2. MAJOR REASONS FOR PRESENT STATUS		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Aerial photography						
12. EXPENDITURE		5. TECHNICAL TRANSFER				3. PRINCIPAL SOURCE OF INFORMATION	
		1. Acceptance of trainee; 2. Mapping; 3. Aerial photography interpretation and trace it to the map; 4. Equipment donation and guidance of how to use it; and 5. Seminar for development survey was held					①②

和名 北東部林業資源調査

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

CSA ECU/A 302/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Ecuador	1.SITE OR AREA				1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY	Small-scale Fishing Port Development Project in Manabi Province	Manta City, Manabi Province.					
3.SECTOR	Fisheries/General	2.PROJECT COST		Total Cost	Local Cost		
4.REFERENCE NO.		(US\$1,000)	1)	18,164	9,377		
5.TYPE OF STUDY	F/S		2)				
6.COUNTERPART AGENCY	Ministry of Industries, Commerce, Integrated and Fishery (MICIP)		3)				
7.OBJECTIVES OF STUDY	To carry out master plan study for small-scale fishery development in MAHABI province and to carry out feasibility study for priority project identified in the master plan.	3.CONTENTS OF MAJOR PROJECT(S)				(Description) MICIP is deliberating on the possibility of applying for a Japanese grant. (FY 1993 Domestic Survey) No progress since 1993.	
8.DATE OF S/W	Apr.1990	Main Port Facilities: For small boat Landing: 50m Outfitting Idling 400m For middle boat Landing: 90m Outfitting Idling 70m Training Jetty: 430m Planned Functional Facilities: - Refrigerator 30tons - Fish Handling Space 400sq.m - Freezer 100tons - Fish Gear Repairing Space 1000sq.m - Blast Freezer - Warehouse 100sq.m - Work Shop 100sq.m - Fuel Oil Tank and Others					
9.CONULTANT(S)	Nippon Koei Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 3.60 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)	2.MAJOR REASONS FOR PRESENT STATUS	
10.STUDY TEAM	No.of Members 8 Period Dec.1990-Mar.1992 (15 months)	Conditions and Development Impacts: EIRR has been calculated from the project cost and the tangible benefits resulting from the proposed fishing port construction. 1) Reduction in physical distribution costs resulting from saving in loading and unloading time. 2) Improve freshness of fishery products through increased ice supplies. 3) Increased foreign exchange earnings through the expansion of marine product exports. 4) Stabilization of consumes prices as a result of lower distribution costs for fishery products. 5) Generation of more employment opportunities through the construction of modern processing plants for fishery products. 6) Improved commercial functions of Hanta Port resulting from the proposed fishing port construction.					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	- Oceanographic Survey; - Geological Survey - Fish Village Socio-economic Survey - Topographic Survey; - Water Results Survey	5. TECHNICAL TRANSFER				3.PRINCIPAL SOURCE OF INFORMATION ①	
12.EXPENDITURE	Total 173,028 (¥000) Contracted 159,503	On the job training executed during the study in Ecuador to the counterparts from MICIP & SRP. Training in Japan executed to the Technical Advisor of SRP (Subsecretary for Fisheries Resources).					

和名 マナビ州零細漁港建設計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA ECU/S 303/92

Compiled Mar.1994
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1.COUNTRY	Ecuador	1.SITE OR AREA		Chone-Portoviejo River Basins of the central zone in Manabi state		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2.NAME OF STUDY	Water Resources Development for Hhone-Portoviejo River Basins	2.PROJECT COST		Total Cost	Local Cost			Foreign Cost	
3.SECTOR	Social Infrastructures/Water Resource Development			(US\$1,000)	1) 193,675	32,220	141,455		
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)		2) 3)	(Description) Based on the review of the submitted final report of feasibility study on the water resources development for chone-Portoviejo River basin, the Government of the Republic of Ecuador requested technical assistance for design and construction of the project to the Government of Japan in August, 1992. The President of the republic of Ecuador expressed strong commitment for the realization of the project at the inarqural address, do that implementation of the project will be highly expected.				
5.TYPE OF STUDY	F/S	1. Tunnel							
6.COUNTERPART AGENCY	Centre de Rehabilitacion de Manabi (CRM)	(1) Daule Peripa Dam-La Esperanza Dam Trans basin scheme (L=8.3km, Q=18m ³ /s)							
7.OBJECTIVES OF STUDY	Water development project and elaboration the optimum water resources development on the water transl basin scheme in and around area. (Water supply, irrigation water, fresh water for shrimp firming)	(2) La Esperanza Dam-Poza Honda Dam scheme (L=10.7km, Q=4m ³ /s)							
8.DATE OF S/W	Nov.1990	(3) Poza Honda Dam-Mancha Grande River Scheme (L=3.9km, Q=4m ³ /s)							
9.CONSULTANT(S)	Nippon Koei Co., Ltd.	2. Pumping station, Hard tank, open channely, syphon (La Esperanza Dam-Poza Honda Dam Trans Basin Scheme)							
10.STUDY TEAM	No.of Members 15 Period May.1991-Dec.1992 (20 months)	Pump station (Q=16m ³ /s, H=76m)							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	- Topographic data and mapping - Geographical survey - Water quality analysis	Open channel (Q=16m ³ /s, L=5.4km, Section: Trape Zadial)							
12.EXPENDITURE	Total 321,820 (¥'000) Contracted 304,467	Imp. Period: Feb.1995-Aug.1995 Sep.1995-Feb.2000 Mar.2000							
		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No				EIRR1) 11.40	FIRR1) 9.30
					EIRR2) 12.80	FIRR2) 10.60			
					EIRR3) 13.90	FIRR3) 11.60			
		Conditions and Development Impacts:							
		* Proposed Imp. Period 1) Tendering and construction award, 2) Main construction works, 3) commissioning.							
		(Conditions)							
		1. Possibility of making the construction cost according to construction schedule.							
		2. Establishment of the system that organizes the executive and support of the project,							
		3. Completion of the present carrying-out development project of water resources in targetted area.							
		4. Adopting measure for environmental aspects including wastewater treatment in the basen of Portoviejo River.							
		(Effect)							
		-Municipal and industrial water demands by the year 2020 (187 MCM/year)							
		-Irrigation water demands for the order of 8,750ha (571 MCM/year)							
		-Fresh water demand for shrimp farming by the year 2020 (102 MCM/year)							
		- River maintenance flow (24 MCM/year)							
		5. TECHNICAL TRANSFER							
		- Provision of opportunity to participate practical work for counterparts staffs at site.							
		- Official study tour at dam project sites and related institution through JICA training program.							
		2.MAJOR REASONS FOR PRESENT STATUS							
		3.PRINCIPAL SOURCE OF INFORMATION		①					

和名 チヨネ・ポルトビエホ川流域水資源開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P+F/S)

CSA GTM/S 201B/84

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT								
1.COUNTRY	Guatemala	1.SITE OR AREA	Archiguate and Pantaleon Rivers			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled							
2.NAME OF STUDY	Flood Control Project (Archiguate and Pantaleon Rivers)	2.PROJECT COST (US\$1,000)	M/P 1) 63,200 2) 20,500 3) 21,800	Local Cost	27,000 Foreign Cost			36,200						
3.SECTOR	Social Infrastructures/River & Erosion Control	3.CONTENTS OF MAJOR PROJECT(S)	[Sediment Control Works]<M/P>The design sediment discharge of 30-year(M/P), 10-year (F/S) return period is 1.94 million cu. m(M/P), 710 thousand cu.m (F/S) in the Achiguate river basin and 3.25 million cu.m(M/P), 1,206 thousand cu.m(F/S) in the Pantaleon river basin. The sediment control plan is made up of sediment control dams of cobble stone concrete type. It is proposed that three dams for the Achiguate river basin and five dams for the Pantaleon river basin be conducted to fully regulate the design sediment discharge.<F/S> Sediment control can be accomplished at a limited number of sites by high dams which have the highest sediment regulation effect. Sediment control is made up of two dams of cobble stone concrete type for Achiguate river and one dam of the same type for Pantaleon river. [Flood Control Works]<M/P> To protect the target assets from flood damage, partial river improvement works are employed for the project. For Achiguate river, the flood control works consist of river channel improvement in two stretches for the CA-2 road bridge and the railway bridge and for the urban area in Finca La Trinidad, respectively, and a ring levee around the urban area in Finca La Barrita. For Pantaleon river, river channel improvement will be undertaken for the protection of the CA-2 road bridge and the national railway bridge. The total length of river improvement are 11.0 km and 3.4km in the Achiguate and the Pantaleon rivers, respectively. The ring levee is constructed over 5.0 km around Finca La Barrita. Riparian facilities such as revetment, ground sill, etc., will be installed to maintain the function of the proposed improvement works. The design flood discharge are 1,200m ³ /s(M/P), 950m ³ /s(F/S) for the Achiguate river and 1,150m ³ /s(M/P). Imp. Period: .1986-.1990 4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes/No EIRR1) 7.30 FIRR1) 4.40 EIRR2) 4.40 FIRR2) 4.40 EIRR3) FIRR3)											
4.REFERENCE NO.		5.TYPE OF STUDY						M/P+F/S						
6.COUNTERPART AGENCY	Ministerio de Comunicaciones, Transporte y Obras Publicos	7.OBJECTIVES OF STUDY						Formulation of a long-term flood control plan and identification of a short-term plan						
8.DATE OF S/W	Apr.1983	9.CONSULTANT(S)						CTI Engineering Co., Ltd.						
10.STUDY TEAM	No.of Members 12 Period Jul.1983-Feb.1985(20 months)	10.STUDY TEAM						<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">99.28</td> <td style="text-align: center;">16.01</td> <td style="text-align: center;">82.77</td> </tr> </table>	Total M/M	Japan	Field	99.28	16.01	82.77
Total M/M	Japan	Field												
99.28	16.01	82.77												
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Measurement	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY						Measurement						
12.EXPENDITURE	Total 266,215 (¥'000) Contracted 239,058	12.EXPENDITURE						Total 266,215 (¥'000) Contracted 239,058						
		5. TECHNICAL TRANSFER						Periodical lecture meeting on the river engineering for the counterparts.						
		2.MAJOR REASONS FOR PRESENT STATUS	<M/P> Because the arterial road and railway cross the two rivers, it is crucial to ensure the safety of the bridges through effective flood control measures. <F/S> Owing to the budgetary constraints, it is difficult to allocate government funds to the proposed project which would not have an immediate impact on the productive sectors. Owing to the budgetary constraints and huge project cost, it is difficult to allocate government funds and the priority of the project proposed has been											
		3.PRINCIPAL SOURCE OF INFORMATION	①②③											

和名 治水計画

(M/P+F/S)

PROJECT SUMMARY (Basic Study)

CSA GTM/S 501/86

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Guatemala	1.SITE OR AREA	Guatemala City, surrounding Guatemala City valley and adjacent northeastern 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	Ground Water Development Project	2.PROJECT COST						Total Cost	Local Cost	Foreign Cost		
3.SECTOR	Social Infrastructures/Water Resource Development	(US\$1,000)	1) 38,688	12,495		(Description) Dec. 1990 E/N of OECF loan (4,711 million yen) Mar. 1991 OECF L/A Mission Dec. 1991 L/A not signed because of the delay in formal approval at the Parliament Jun. 1992 OECF L/A signed Dec. 1993 Construction scheduled to begin Oct. 1995 Construction scheduled to end OECF finance: 1) Construction of 38 deep wells and related facilities 2) Rehabilitation of 22 existing wells (FY 1993 Overseas Survey) The following projects have been implemented so far. 1) Provision of water level meters and conducting regular water check-up tests for 64 wells, or 80% of the total of 80 wells owned by EMPAGUA. 2) Excavation of 17 new wells with domestic fund of Q 18 mil. 3) Study of optimal water supply and water supply/ distribution system in the Northern Area with a loan of \$ 1mil. from France. In addition, a part of the World Bank loan for Economic Modernization Assistance has been used to set up a plan to improve the organization and practice of EMPAGUA in such areas as management, finance, investment, fare system and staff training. The loan was also used to provide or renovate 40,000 meters for domestic service pipes and procure seven automobiles.						
4.REFERENCE NO.		(US\$1=1Q)	2)									
5.TYPE OF STUDY	Basic Study	3.CONTENTS OF MAJOR PROJECT(S)										
6.COUNTERPART AGENCY	EMPAGUA (Empresa Municipal de Agua de la Ciudad de Guatemala)	- Deep well excavation 38wells - Water distribution facilities 34.2km - Distribution tank 1,260cu.m-2,835cu.m - Power distribution facilities 23,000m - Existing well rehabilitation - Work shop										
7.OBJECTIVES OF STUDY	To obtain water source for portable water supply for Guatemala City	4.CONDITIONS AND DEVELOPMENT IMPACTS										
8.DATE OF S/W	Dec.1984	- Direct benefit is the qualitative and quantitative improvement of EMPAGUA's service. - Indirect effects include (i)improved sanitation through clean water supply; (ii)reduced labor burden for women and children heretofore forced to carry water over long distances; and (iii) expanded employment opportunities through project related construction.										
9.CONSULTANT(S)	Chuo Kaihatsu International Corp.	10.STUDY TEAM										
		No.of Members 8 Period Jul.1985-Sep.1986(15 months)										
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total M/M</td> <td style="text-align: center;">Japan</td> <td style="text-align: center;">Field</td> </tr> <tr> <td style="text-align: center;">50.11</td> <td style="text-align: center;">17.44</td> <td style="text-align: center;">32.67</td> </tr> </table>			Total M/M		Japan	Field	50.11	17.44	32.67	2.MAJOR REASONS FOR PRESENT STATUS
Total M/M	Japan	Field										
50.11	17.44	32.67										
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey and boring	5.TECHNICAL TRANSFER										
12.EXPENDITURE		1) Counterpart OJT on the analysis of aerophotos, etc. 2) Training in Japan in F/S methodology			3.PRINCIPAL SOURCE OF INFORMATION							
Total	311,081 (¥'000)				①②③④							
Contracted	241,154											

和名 グアテマラ市地下水開発計画

(M/P,Basic Study,Other)

PROJECT SUMMARY (F/S)

CSA GTM/S 301 88

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT		
1.COUNTRY	Guatemala	1.SITE OR AREA		Santo Tomas on the Caribbean coast		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled	
2.NAME OF STUDY	Development Project of the Port of Santo Tomas de Castilla	2.PROJECT COST		Total Cost	Local Cost			Foreign Cost
3.SECTOR	Transportation/Port			(US\$1,000)	1) 97,031	30,343	66,683	
4.REFERENCE NO.		3.CONTENTIS OF MAJOR PROJECT(S)				(Description) (FY1991 Overseas Survey) The report of the study was utilized by the Planning Unit and the Engineering Dept. of EMPORNAC. The project is considered high priority, and will be revived in the future. (FY 1993 Overseas survey) The 1989 OECF Loan Appraisal Mission proposed a loan on the condition that the project scale be reduced. However the Minister of Finance then in the fear of the country's inability of repay did not approve the acceptance of the loan. Another loan request of \$4.5 mil. has been made to Central American Bank of Economic Integration (CABEI) to finance 1)the enlargement of the container terminal, 2)construction of a container yard of 200,000 sq. meters, 3)provision of navigation aid facilities. A D/D and an environmental assessment, prerequisite for receiving the loan, are scheduled to be conducted with domestic fund during FY 1994 (with budget of Q 2.5 mil. to 3 mil.). The loan is expected to be approved in the early 1995. Meanwhile dredging of inland channel and the grounding of the terminal were completed with domestic fund of Q 1.1 hundred mil. bet. 12/92 and 7/93. Furthermore the construction of Oil terminal with domestic fund of Q 1.5 mil. is considered to be carried out after mid-1995.		
5.TYPE OF STUDY	F/S	- Short Term Plan (Target year: 1995)						
6.COUNTERPART AGENCY	Port of Santo Tomas Authority	1) A container terminal						
7.OBJECTIVES OF STUDY	Formulation of Stage III development plan	- Length: 500 m (-11m)						
		- Area: 25 ha						
8.DATE OF S/W	Dec.1986	Imp. Period: 1992-1994						
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Jap Yachiyo Engineering Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 23.40	FIRR1) 7.30		
10.STUDY TEAM	No.of Members 10 Period May.1987-Jul.1988(0 months)	Conditions and Development Impacts:						
		Development Impacts:						
		1) Saving of the cost of waiting						
		2) Reduction of transport costs by the use of larger vessels						
		3) Reduction of transport costs by eliminating the need to use other ports						
		4) Establishment of efficient management and operation system for the new container terminal.						
		5) Introduction of appropriate maintenance system for cargo landing equipment.						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS		
12.EXPENDITURE		Participation of counterparts in the JICA training program				The negotiation on the project funding has been stalled because two other projects on which the E/Ns were already signed have not been processed due to the delay of the congressional approval.		
Total	158,211 (¥'000)					3.PRINCIPAL SOURCE OF INFORMATION		
Contracted	150,278					①②③		

和名 サント・トーマス港開発計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA GTM/A 301/88

Compiled Mar.1990
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT			
1.COUNTRY	Guatemala	1.SITE OR AREA	Jalapa, Monjas (Area 7,100ha, population 14,130, 150km from the capital)			1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled		
2.NAME OF STUDY	Monjas Irrigation Project	2.PROJECT COST	Total Cost	Local Cost	Foreign Cost				
3.SECTOR	Agriculture/General		(US\$1,000)	1) 46,850	18,464	(Description) In view of the high priority of the proposed project, the Government of Guatemala applied for Japanese Grant Aid in March 1989, but it was not successful due to huge project cost of \$46.9 mil. (FY1991 Overseas Survey) The ministry assigns high priority to the proposed project and plans to revive the request for Japanese Grant Aid in 1992. (FY1993 Overseas Survey) Priority of the project is still ranked high and is the top priority project among agricultural projects of Guatemalan government. The agency considers that project cost of 70,000 q/ha is almost 3 times as compared to standard project cost of 20,000/ha. 2 JICA experts were sent for 1 month to conduct complementary study and to find out measures to reduce the project cost. The agency is still planning to apply grant aid and loan aid for the implementation of the project.			
4.REFERENCE NO.		3.CONTENTS OF MAJOR PROJECT(S)	2) US\$1=2.5Q	3)	28,386				
5.TYPE OF STUDY	F/S	Irrigation area: 4,800 ha							
6.COUNTERPART AGENCY	Ministerio de Agricultura, Ganadería y Alimentación	Reservoir : Main dam: Height 49m Length 1,072m, capacity 2.63MCM Sub dam : Height 31m Head work : Water Intake 4.3cu.m/s							
7.OBJECTIVES OF STUDY	Formulation of a water resource development and utilization plan to promote agricultural development in Monjas	Driving canal: 4.0 cu.m/s 9.5km							
8.DATE OF S/W	Feb.1987	Diversión canal: South 3.28cu. m/sec 8km North 2.23cu.m/sec 15.2km							
9.CONSULTANT(S)	Pacific Consultants International Sanyu Consultants Inc.	Main canal: 1,526 cu.m/sec 18km							
10.STUDY TEAM	No.of Members 11 Period Jul.1987-Jul.1988(13 months)	Lateral canal: 0.338 cu.m/sec 39km							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Survey, geological survey, sample analysis, installation of hydrography, testing of embankment material	Regulating pond : 3 units * The cost is estimated in Oct. 1987 prices.							
12.EXPENDITURE	Total 201,930 (¥'000) Contracted 179,719	Imp. Period: Apr.1989-Sep.1995							
		4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 18.50 EIRR2) EIRR3)	FIRR1) 6.20 FIRR2) FIRR3)	2.MAJOR REASONS FOR PRESENT STATUS			
		Conditions and Development Impacts: Conditions: Pasture land will be transformed to farms with irrigation facilities, and mostly vegetables will be grown. The cultivated area will be doubled to 11,250ha, and the increase in crop will be 234%. Development Impact: The visible benefit of this project is the increase in agricultural production. The annual profits will be 20,000,000Q when the planned output is realized. The following social economic effects may also be expected: Contribution to national development plan, acquisition of foreign currency, stable supply of food, increase in employment opportunities, improved living standards, improved distribution and processing of agricultural products, correcting regional differences, tourism and economic stimulus.							
		5. TECHNICAL TRANSFER	1. Acceptance of trainees(2) 2. Instruction on geological soil and farm studies. Input of numerical data using computers.					3.PRINCIPAL SOURCE OF INFORMATION ①②③	

和名 モンハスカんがい計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

CSA GTM/S 302/89

Compiled Mar.1991
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Guatemala	1.SITE OR AREA		La Aurora airport in Guatemala city and St.Elena airport in Peten City		1.PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="radio"/> Completed <input type="radio"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY Development Project of La Aurora and Santa Elena Airports		2.PROJECT COST		Total Cost	Local Cost		
		(US\$1,000)	1) 2) 3)	60,261 18,815	37,124 6,688	23,137 12,127	
3.SECTOR Transportation/Air Transportaion & Airport		3.CONTENTIS OF MAJOR PROJECT(S) (Emergency Programs) 1. Renovation of radar systems including installation of ASR/SSR equipment and renovation of CFR facilities at La Aurora. 2. Renovation of secondary power system at Santa Elena. (Short-term Development) 1. Improvement of runway, taxiway and apron. 2. Improvement of drainage and other infrastructures. 3. Improvement and expansion of terminal buildings. 4. Improvement of aviation support facilities, including visual navaid. 5. Improvement of electrical power supply and other airport supporting facilities. Note: Cost 1) is for La Aurora Airport and Cost 2) for Santa Elena Airport.				(Description) A definite schedule of implementation is not yet decided due to political and financial reasons. (FY1991 Overseas Survey) The DGAC restudied the proposed project and formulated a new project of reduced scale and cost, but has not yet decided on the schedule of its implementation due to political and economic reasons. (FY 1993 Overseas Survey) 1) DGAC attempted to request an OECF loan for the short-term development program, but the Ministry of Finance turned it down because of the high project cost, and no further development along this line partly due to the policy change that places more emphasis on social sectors. 2) The GOG made a request for a 1000mil.yen Japanese Grant on the renovation of CFR facilities in 1990, but it has not been realized. Although studies were conducted by two Western engineering companies : by Westinghouse in late 1993 and Electronics in Feb. 1994, DGAC has concluded that the project is too large (\$10 mil. to 15 mil.) to be carried out with domestic fund. 3) A small portion of the project such as provinson of recording system and VHF telecommunication of the control tower has been implrimented with domestic fund.	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes	EIRR1) 50.00 EIRR2) EIRR3)		
5.TYPE OF STUDY F/S		Conditions and Development Impacts: 1.To improve safety and operational capacity by improvement of runway, taxiway and apron 2.To improve safety and operational efficiency by drainage and other infrastructures improvement 3.To provide better services and meet traffic demand by improvement of terminal buildings 4.To prevent a near-miss by the improvement of navigation aid facilities (especially rader) 5.To improve safety and operational efficiency by improvement of electric supply and other airport supporting facilities				2.MAJOR REASONS FOR PRESENT STATUS As described above.	
6.COUNTERPART AGENCY Dirección General de Aeronáutica Civil (AGDC)		5.TECHNICAL TRANSFER OJT during field survey periods, and training of 2 counterpart engineers invited by JICA and JICA					
7.OBJECTIVES OF STUDY Improvement and expansion of La Aurora and Santa Elena airports							
8.DATE OF S/W Aug.1988		Imp. Period: .1991-.1993					
9.CONSULTANT(S) Nippon Koel Co., Ltd.							
10.STUDY TEAM No.of Members 8 Period Jan.1989-Feb.1990(14 months) Total M/M Japan Field 46.72 27.65 19.07							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY							
12.EXPENDITURE Total 180,576 (¥'000) Contracted 169,031							

和名 国際空港整備計画

(F/S,D/D)

PROJECT SUMMARY (M/P+F/S)

CSA GTM/S 202B/91

Compiled Mar.1993
Revised Mar.1994

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Guatemala	1.SITE OR AREA		Guatemala City, Mixco City, Villa Nueva City, Chinautla City, Villa Canales City, Sta. Catarina Pinula City (350 sq.km, population 1,532,000 in 1990)		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Partially Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2.NAME OF STUDY		2.PROJECT COST					
Solid Waste Management in Metropolitan Area of Guatemala City		(US\$1,000)		M/P 1) 33,663 Local Cost	Foreign Cost	(Description) (FY 1993 Domestic Survey) <M/P> Rooms for heavy machines, storehouse for parts and workers' houses have already been set up at the EL Trebol landfill and the scavengers have been living in the newly completed houses. The improvement scheme of the EL Trebol final disposal site has been started in May, 1993. The situation has been greatly improved since the equipments (4 bulldozers, 2 wheel-loaders, 4 dump-trucks for gravel transportation and 10 dump-trucks for refuse-collection) which had already been granted, were put in practical use. 2 experts were sent to the site for a month (from November to December, 1993) and gave on-the-spot instructions in land-filling, that contributed to the successful result. <F/S> All the above equipments arrived in Guatemala City by the end of April, 1993 and a delivery ceremony was held on May 7. The instructions in operation and maintenance of bulldozers and those in operation of truck/wheel loader were given by experts for 10 days and 2 days respectively. The central vehicle maintenance factory which handles protection and maintenance of vehicles and heavy machines, electric circuit and lathe-procession of repair parts has been set up separately from the solid wastes section. Condition of stuff and finance has been much improved. Constant supply of parts, under this grant project, is expected to improve operation of the vehicles and machines considerably. (FY1993 Overseas Survey) Present status of each project is as follows. - EL Trebol Landfill: Mar. 1993 Japanese Grant E/N 309 million yen. This grant provided necessary equipment for the landfill. Guatemala City is preparing four truck slopes, two office buildings and four truck scales by its own budget. Now, the landfill is collecting garbage from all public area and most domestic area. - ES Guayacames Landfill: Land acquisition trouble caused this project to delay. - Privatization of Garbage Collection: The project was once implemented, but it is unsuccessful. Flooding step is not decided now. - Approval System for Garbage Collection: The City introduced approval system on 239 private garbage trucks. The trucks have annually periodical inspection and area restriction. - Sanitary Education: Video software provided by JICA was useful to enlighten adults and pupils. Almost 250 thousand persons already have seen it. - Metropolitan Garbage Committee: Established. However, unsuccessful function brought the Committee to discontinue. - Restructuring of Public Cleaning Department: The City established Advisory Committee. The Department will be restructured in 1995.	
		3.SECTOR		F/S 1) 7,910			
Public Utilities/Urban Sanitation		US\$1-Q5 =26.25yen		M/P(target year: 2000, estimated population:2,047,000) 1) Expansion of collection service 2) Improvement on final disposal - Immediate conversion of the EL Trebol disposal site into a controlled landfill - Construction of a new sanitary landfill 3) Institutional development and financial strengthening - Concessions of collection service to private collectors - Preventive maintenance and repair program - Education and community participation programs - Personnel training program - Recycling and resource recovery program - Institutional organization of the DSP - Initiate metropolitan committee in charge of solid waste F/S(planned year: 1996, estimated population:1,841,000) 1) Improvement of collection service in marginal areas(experiments on container collection and equipment management): Zone cession to private collectors/ increased efficiency in operation/ improvement of collection service in isolated areas 2) Improvement of final disposal sites: EL Trebol landfill(existing) and a new sanitary landfill in Las Guacamayas 3) Institutional strengthening: Formation of a working group and a Metropolitan Solid Waste Committee/ increase of the SWM's budget/ a pilot program on sanitary education for residents, etc.		Imp. Period: 1991-1996	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS					
5.TYPE OF STUDY		Feasibility: Yes/No		EIRR1) 8.00 FIRR1)	EIRR2) 20.00 FIRR2)	2.MAJOR REASONS FOR PRESENT STATUS For the D/D has been completed or in progress.	
6.COUNTERPART AGENCY		EIRR3) FIRR3)		Conditions and Development Impacts: Planning Conditions: 1) Service is for solid waste excluding hazardous materials 2) Real GDP growth annually: 4% for 1991-95, 3% for 1996-2000 3) Maintain and promote the dual system(government and private) of collection for 10 years 4) Maintain and promote resource recycling for 10 years 5) Community support is secured Development Impacts: 1) Better service by private collectors 2) Expansion of area under collection service 3) Consensus-building among the residents to open a few landfill by demonstrating an improved EL Trebol 4) More Efficient operation and less illegal disposal 5) Stronger support system among the residents			
Public Service Bureau (DSP), Municipal Public Cleaning Department (DLPM)		7.OBJECTIVES OF STUDY				5. TECHNICAL TRANSFER During F/S period, the counterpart joined the sanitary education for residents through audio-visual aids, which worked very well.	
-To Contribute the development of the systematic management of the solid waste in the Metropolitan area of Guatemala City -To determine the possibility of the implementation of some first priority projects		8.DATE OF S/W					
.0		9.CONSULTANT(S)		10.STUDY TEAM No.of Members 12 Period Jun.1990-Sep.1991(16 months)		Total M/M Japan Field 70.88 24.40 46.48	
CRC Research Institute, Inc. Environmental Technologic Consultants Co., Ltd.		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					
TELECTRO S.A. (boring, measuring) ACEROS AGRICOLAS E INDUSTRIALES S.A. (construction of containers)		12.EXPENDITURE		Total 286,892 (¥000) Contracted 271,975			
12.EXPENDITURE							

和名 首都圏生活廃棄物処理計画

[M/P+F/S]