

PROJECT SUMMARY (F/S)

AFR MLI/A 302/85

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Mali	1.SITE OR AREA	Right side area of Niger river located 30km east from Bamako, capital of Mali														
2.NAME OF STUDY	Baguineda Agricultural Development Project (Updating Study)	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>36,967</td> <td>18,339</td> <td>18,628</td> </tr> <tr> <td>US\$1=426CFA</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	36,967	18,339	18,628	US\$1=426CFA			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	36,967	18,339	18,628														
US\$1=426CFA																	
3.SECTOR	Agriculture/General	3.CONTENT OF MAJOR PROJECT(S)	<p>Improvement of following facilities is executed in three construction stages:</p> <p>1. Irrigation Canal : Main canal 41km, Secondary canal 65km</p> <p>2. Kobe Syphon : 1 no.</p> <p>3. Drain Canal : Main drain 14km, Secondary canal 77km</p> <p>4. Main road : 4.3 km</p> <p>5. Land reclamation : 3,000 ha (including Tertiary irrigation and drainage canal)</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <tr> <td>Feasibility:</td> <td>EIRR1)</td> <td>13.50</td> <td>FIRR1)</td> </tr> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </table>			Feasibility:	EIRR1)	13.50	FIRR1)	Yes/No	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	13.50	FIRR1)														
Yes/No	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>Condition: Benefit was estimated as the difference of agricultural and livestock production between with-project which consists of whole year irrigation and drain improvement and without-project condition.</p> <p>Development Impacts: To increase crop production, To raise farmers' living standard, To promote agro-industry</p>															
6.COUNTERPART AGENCY	Ministry of Agriculture	<p>(FY 1993 Domestic Survey)</p>															
7.OBJECTIVES OF STUDY	<ul style="list-style-type: none"> - Riview and update the technical and economic feasibility of the Project - Formulate stepwise development plan - Undertake on-the-job training of the counterpart personnel 	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>															
8.DATE OF S/W	Jul.1985	<p>3.PRINCIPAL SOURCE OF INFORMATION</p>															
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Naigai Engineering Co., Ltd.	<p>①③</p>															
10.STUDY TEAM	<p>No.of Members 6</p> <p>Period Sep.1985-Mar.1986(7 months)</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>10.95</td> <td>2.93</td> <td>8.02</td> </tr> </table>	Total M/M	Japan	Field	10.95	2.93	8.02	<p>5.technical transfer</p>									
Total M/M	Japan	Field															
10.95	2.93	8.02															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																	
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>44,659 (¥000)</td> </tr> <tr> <td>Contracted</td> <td>42,777</td> </tr> </table>	Total	44,659 (¥000)	Contracted	42,777												
Total	44,659 (¥000)																
Contracted	42,777																

和名 バギンダ地区農業開発計画実施補完調査

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR MLI/A 303/90

Compiled Mar.1992
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Mali	1.SITE OR AREA	Kala upstream area (north-east of Segou)														
2.NAME OF STUDY	Kala Upstream Agricultural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>50,358</td> <td>24,309</td> <td>26,049</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	50,358	24,309	26,049				
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	50,358	24,309	26,049														
3.SECTOR	Agriculture/General	3.CONTENTIS OF MAJOR PROJECT(S)	<p>1. Land Reclamation for paddy fields : 3000ha. 2. Rehabilitation works on existing irrigation canal : 5.9km 3. Construction of main irrigation canal : 7.9km 4. Construction of secondary irrigation canals : 32.3km 5. Construction of tertiary irrigation canals : 194.1km 6. Construction of main drainage canals : 31.2km 7. Construction of secondary drainage canals : 24.8km 8. Construction of tertiary drainage canals : 193.8km 9. Construction of link roads : 600.0km 10. Construction of deep well for domestic water supply : 57 nos. 11. Construction of buildings for offices and others : 11 places</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>10.00</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	10.00	FIRR1)	Yes/No	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	10.00	FIRR1)														
Yes/No	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>Conditions:</p> <ol style="list-style-type: none"> Project works would be realized for 5 years and 3 months. Project life would be of 50 years. Prices of 1990 were used. Exchange rate used is US\$1.0 = CFA285 = 150yen. Incremental benefits of crops were used for evaluation. <p>Intangible benefits were not included in the benefit-side.</p> <p>Development Impact:</p> <p>Incremental net income per farm would be of CFA 1,177,342.</p>															
6.COUNTERPART AGENCY	Ministry of Agriculture	<p>1)To review the existing irrigation system and to formulate an agricultural development master plan for the study area. 2)To conduct a feasibility study focusing on</p>															
7.OBJECTIVES OF STUDY		<p>8.DATE OF S/W</p> <p>Mar.1989</p>															
8.DATE OF S/W	Mar.1989	<p>Imp. Period: .1990-.1997</p>															
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Construction Project Consultants	<p>10.STUDY TEAM</p> <p>No.of Members 10</p> <p>Period Oct.1989-Dec.1990(15 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>44.20</td> <td>17.00</td> <td>27.20</td> </tr> </tbody> </table>				Total M/M	Japan	Field	44.20	17.00	27.20						
Total M/M	Japan	Field															
44.20	17.00	27.20															
10.STUDY TEAM		<p>11.ASSOCIATED AND/OR SUBCONTRACTED STUDY</p> <p>691000 (Water quality test, soil test)</p>															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<p>5.technical transfer</p> <p>Technology transfer in the course of the Study</p>															
12.EXPENDITURE		<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>Unknown</p>															
Total 187,926 (¥000)		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②③</p>															
Contracted 177,625																	

和名 カラ上流域農業開発計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR MUS/S 301/78

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Mauritius	1.SITE OR AREA	Port Louis - Beau Bassin																						
2.NAME OF STUDY	Beau Bassin-Port Louis Link Road	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td></td> <td>15,000</td> <td></td> <td>5,300</td> <td></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> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost		15,000		5,300			2)					3)			
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																					
	15,000		5,300																						
	2)																								
	3)																								
3.SECTOR	Transportation/Fish Processing	3.CONTENTIS OF MAJOR PROJECT(S)	<p>New Road construction Road Length - 10 km (about)</p> <p>1) Construction of a new link road</p> <p>2) Road class : M class (Motorway class), Dual carriage way</p> <p>3) Design speed : 80 - 100 km/hr</p> <p>4) Road width : m (carriage way width - 283.6 - 7.2m)</p> <p>5) Road length : 9.4 km (main road - 7.6km Access road - 1.8 km)</p> <p>6) Road reserve : To be in the old railway reserve</p> <p>7) Objective:- Reduction of traffic jam on Route A1</p> <p>- Construction of an alternative link road for the route A1, because it was impossible to widen the A1 due to continuous houses along the street.</p> <p>- To contribute the development of an industrial area which locates in the southern port of Port Louis</p>																						
4.REFERENCE NO.		8.DATE OF S/W	Aug.1977																						
5.TYPE OF STUDY	F/S	9.CONULTANT(S)	Japan Engineering Consultants Co., Ltd. Nippon Engineering Consultants Co., Ltd.																						
6.COUNTERPART AGENCY	Ministry of Works	10.STUDY TEAM	<p>No.of Members 14</p> <p>Period Nov.1977-Mar.1978(13 months) Oct.1978-Dec.1978</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>46.70</td> <td>23.84</td> <td>22.86</td> </tr> </tbody> </table>			Total M/M	Japan	Field	46.70	23.84	22.86														
Total M/M	Japan	Field																							
46.70	23.84	22.86																							
7.OBJECTIVES OF STUDY	Feasibility study of a link road between Port Louis(Capital City) and Beau Bassin	4.FEASIBILITY AND ITS ASSUMPTIONS	<p>Feasibility: EIRR1) 20.80 FIRR1)</p> <p>Yes/No EIRR2) FIRR2)</p> <p>EIRR3) FIRR3)</p> <p>Conditions and Development Impacts:</p> <p>Conditions: Future traffic volume was estimated at 1982, 1987 1992 and 2002. Based on the trip number(OD survey) Base traffic, bus traffic, airport traffic and sugar traffic were estimated by trip number (OD survey) and future population. Stage construction was studied, but Package construction was adopted because of a high EIRR and possibility of inflation in Mauritius.</p> <p>Development Impact : Resolution of a bottle neck and effective use of the existing road. Acceleration of development of housing estate, industrial estate and saving of transport cost.</p> <p>(FY 1993 Domestic Survey)</p>																						
		5.technical transfer	On the job Training to three counterparts for Feasibility Study and Road Construction.																						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Soil survey	12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>89,963 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>71,223</td> </tr> </tbody> </table>			Total	89,963 (¥000)	Contracted	71,223																
Total	89,963 (¥000)																								
Contracted	71,223																								
		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																						
		(Description)	<p>The detailed design was subsequently undertaken and completed in September 1989. Mauritius government applied for an OECF loan, but withdrew the application owing to the IMF conditionality.</p> <p>(FY1991 Overseas Survey)</p> <p>After more than ten years of suspension, the project was discontinued.</p>																						
		2.MAJOR REASONS FOR PRESENT STATUS	IMF recommended to postpone the lending until the country's economic conditions improve sufficiently.																						
		3.PRINCIPAL SOURCE OF INFORMATION	①③																						

和名 道路建設計画

(F/S,D/D)

PROJECT SUMMARY (D/D)

AFR MUS/S 401/80

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT									
1.COUNTRY	Mauritius	1.SITE OR AREA	Beau Bassin - Port Louis										
2.NAME OF STUDY	Beau Bassin-Port Louis Link Road	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>14,994</td> <td>5,281</td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	14,994	5,281	
	Total Cost	Local Cost	Foreign Cost										
(US\$1,000)	14,994	5,281											
3.SECTOR	Transportation/Fish Processing	3.CONTENTES OF MAJOR PROJECT(S)	Bypass Construction 4-lane Divided Road Road Length = 9.2 km (See the F/S sheet of this study)										
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS Feasibility: Yes/No EIRR1) 20.80 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3) Conditions and Development Impacts: Conditions : Use of old railway reserve and old railway bridge. Project life is 20 years Development Impact : Resolution of a bottle neck and effective use of the existing road. Acceleration of development of housing estate, industrial estate and saving of transport cost. Through traffic will divert from the existing road to the project road (Bypass). (FY 1993 Domestic Survey)	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										
5.TYPE OF STUDY	D/D		(Description) After the completion of the detailed design, Mauritius government applied for an OECF loan, but withdrew the application owing to the IMF conditionality. (FY1991 Overseas Survey) After more than ten years of suspension, the project was discontinued.										
6.COUNTERPART AGENCY	Ministry of Works												
7.OBJECTIVES OF STUDY	Route Location Road Design Structure, Pavement and Drainage Design.												
8.DATE OF S/W	Aug.1977	Imp. Period:	Jan.1980-Jun.1982										
9.CONSULTANT(S)	Japan Engineering Consultants Co., Ltd. Nippon Engineering Consultants Co., Ltd. Kokusai Kogyo Co., Ltd.												
10.STUDY TEAM	No.of Members 12 Period Jan.1979-Sep.1980 (17 months) <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>132.63</td> <td>98.00</td> <td>34.63</td> </tr> </table>	Total M/M	Japan	Field	132.63	98.00	34.63						
Total M/M	Japan	Field											
132.63	98.00	34.63											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY													
12.EXPENDITURE	<table border="1"> <tr> <th></th> <th>Total</th> <th>248,660 (¥000)</th> </tr> <tr> <td>Contracted</td> <td>215,170</td> <td></td> </tr> </table>		Total	248,660 (¥000)	Contracted	215,170		5. TECHNICAL TRANSFER Seminar and practice of Traffic Survey					
	Total	248,660 (¥000)											
Contracted	215,170												
		2.MAJOR REASONS FOR PRESENT STATUS IMF recommended to postpone the lending until the country's economic conditions improve sufficiently.											
		3.PRINCIPAL SOURCE OF INFORMATION ①③											

和名 道路建設計画 (ボーバスサン〜ポートルイス・リンクロード)

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR MUS/S 302/89

Compiled Mar.1991
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Mauritius	1.SITE OR AREA	North West Basin of Grand River (C.A.=115.3 sq.m) and Service Area of Port Louis City																	
2.NAME OF STUDY	Port Louis City Water Supply Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>88,200</td> <td>28,700</td> <td>59,500</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	88,200	28,700	59,500							
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	88,200	28,700	59,500																	
3.SECTOR	Public Utilities/Timber Processing	3.CONTENT'S OF MAJOR PROJECT(S)	<p>(1) Storage dam (rockfill dam, 75 m high and dam volume of 1.5 x 10⁶ cq.m)</p> <p>(2) Transmission facilities (2,100 m long, 800 mm diameter)</p> <p>(3) Purification plant crapit filtration: capacity 30,000 cq.m/day.</p> <p>(4) Construction Period 46 months</p> <p>(5) International Competitive Bidding</p> <p>Lot 1 Diversin Tunnel (6.4 m dia, 375 m length)</p> <p>Lot 2 Dam</p> <p>Lot 3 Water Supply Facilities (800 mm dia., 2.1 km transmission main and water treatment plant of 30,000 m3/day)</p>																	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>8.70</th> <th>FIRR1)</th> <th>6.80</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table> <p>Conditions and Development Impacts: The existing supply system of Port Louis City: Capital of Mauritius has no raw water storage facilities (in its resources) and suffers from water shortage in every dry season. When this project is realized, the project will solve the current water shortage problem and will meet the water demands up to year 2030. It will contribute to stabilization of the urban society and development of the economy.</p> <p>1) EIRR a) Conversion factor 0.82 b) Benefit water tariff c) Period 50 years d) Current year 1989 e) Exchange rate US\$1-Rs.13.7</p> <p>2) FIRR a) Cost construction cost + O&M b) Revenue Water tariff c) Tariff increase 7.2% per annum</p> <p>3) Loan repayability condition a) Period 30 years b) Grace period 6 years c) Interest 2.9% (FY 1993 Domestic Survey)</p>			Feasibility:	EIRR1)	8.70	FIRR1)	6.80	Yes/No	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	8.70	FIRR1)	6.80																
Yes/No	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
5.TYPE OF STUDY	F/S	5.technical transfer	Technology transfer was achieved on methods for survey and planning of dam, transmission and purification facilities through joint work in the field and training in Japan.																	
6.COUNTERPART AGENCY	Ministry of Energy, Water Resources and Postal Services	6.MAJOR REASONS FOR PRESENT STATUS	GOM has strong intension to implement the project at the earliest time to cope with the severe water shortage in Port Louis City in the dry season.																	
7.OBJECTIVES OF STUDY	Water Resources Development Water Transmission Facilities	7.PRINCIPAL SOURCE OF INFORMATION	①③																	
8.DATE OF S/W	Feb.1988	8.IMP. PERIOD	Oct.1990-Dec.1994																	
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Nihon Suido Consultants Co., Ltd.	9.NO. OF MEMBERS	10																	
10.STUDY TEAM	Period Apr.1988-Jun.1989(15 months)	10.PERIOD	Apr.1988-Jun.1989(15 months)																	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	- Geological investigation - Laboratory test	11.TOTAL M/M	66.96																	
12.EXPENDITURE		12.JAPAN	16.92																	
		12.FIELD	50.04																	

和名 ポートルイス市水供給計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR MUS/S 303/90

Compiled Mar.1992
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Mauritius	1.SITE OR AREA	La Butte, Port Louis City Area about 12.5 hectre																						
2.NAME OF STUDY	Landslide Protection Project in Port Louis	2.PROJECT COST	<table border="1"> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td></td> <td>17,797</td> <td></td> <td>3,451</td> <td>14,346</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>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost		17,797		3,451	14,346		2)					3)			
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																					
	17,797		3,451	14,346																					
	2)																								
	3)																								
3.SECTOR	Social Infrastructures/River & Erosion Control	3.CONTENTS OF MAJOR PROJECT(S)	<p>1)Steel piling work: 300mm (diameter) * 17mm (thickness) * 380 piles; 8420m 300mm (diameter) * 9mm (thickness) * 36 piles; 576 m</p> <p>2)Drainage well work: 3.5m (diameter); 10 - 15m/well; 3 wells (total) Groundwater collection borehole; 50 - 60m * 40 holes; 2100m Drainage borehole; 50m * 4 holes; 200m</p> <p>3)Horizontal borehole: 30 - 50m/hole; 1670m (total)</p>																						
4.REFERENCE NO.																									
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	Ministry of Local Government																								
7.OBJECTIVES OF STUDY	<p>1)Clarification of the mechanism and causes of the landslide.</p> <p>2)Preparation of the long-term protection measures for the landslide.</p>																								
8.DATE OF S/W	.1989	Imp. Period:	Mar.1989-Nov.1990																						
9.CONULTANT(S)	Joint Venture/ Nippon Kosei Co., Ltd. Nissaku Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 47.70 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)																				
10.STUDY TEAM	<p>No.of Members 9</p> <p>Period Mar.1989-Nov.1990 (9 months)</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>61.35</td> <td>14.76</td> <td>46.59</td> </tr> </table>	Total M/M	Japan	Field	61.35	14.76	46.59	<p>Conditions and Development Impacts:</p> <p>Protection measures for the long-term stabilization of the landslide are prepared with on the assumption that planned safety factor is more than 1.2 (PFs>=1.2) with taking the effects of the urgent protection measures into account.</p> <p>By providing the long-term protection measures for the landslide, the project effects will be expected as direct benefits from preventing damages on buildings, securing traffic, water supply and electric supply and improving land use opportunities. Other effects are also expected in releasing risk from loss of human life, stabilizing public welfare and assuring economic activities.</p>																	
Total M/M	Japan	Field																							
61.35	14.76	46.59																							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	<p>1)Installation of surface water drain.</p> <p>2)Core drilling; 3)Soil laboratory test.</p> <p>4)Experimental investigation. (Construction of drainage</p>	5.technical transfer	<p>Transfer knowledge was performed by training Mauritian engineers on the actual works (on the job training) and discussing at seminars held on submission of several kinds of reports at each stage to the Government. Moreover, transfer of the knowledge on landslide protection was made by inviting one of the</p>																						
12.EXPENDITURE	<p>Total 342,832 (¥'000)</p> <p>Contracted 333,277</p>																								
		<p>1.PRESENT STATUS</p> <p><input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting</p> <p><input type="radio"/> Completed <input type="checkbox"/> Delayed or Suspended</p> <p><input type="radio"/> Partially Completed <input type="checkbox"/> Discontinued or Cancelled</p> <p><input type="radio"/> Implementing <input type="checkbox"/></p> <p><input type="radio"/> Processing <input type="checkbox"/></p>																							
		<p>(Description)</p> <p>The Government of Japan is considering extending a loan of the OECF for implementing the Project.</p> <p>The Government of Mauritius allocated budget for the project in the financial year from July 1989 to June 1990 with expecting execution of the OECF financing.</p> <p>The Japanese Government already had a joint study meeting among the concerned four Ministries on the Project. However, the final decision is not yet made.</p> <p>(FY1992 Overseas Survey)</p> <p>Waiting for the answer</p>																							
		<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>The final decision is not yet concluded because of the Government's intention that this project seems not to contribute directly to the industry development of Mauritius.</p>																							
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①</p>																							

和名 ポートルイス市地すべり対策計画

{F/S,D/D}

PROJECT SUMMARY (D/D)

AFR MUS/S 402/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT	
1.COUNTRY	Mauritius	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 Port Louis Water Supply Project		Grand River North West river basin in Mauritius					
		2.PROJECT COST					
		(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost	
			2)	102,100	6,600	72,990	
			3)		19,000		
					3,510		
3.SECTOR Public Utilities/Timber Processing		3.CONTENTS OF MAJOR PROJECT(S)				(Description) The Government is trying to find external financing sources for the project implementation. The Government is hoping Japanese assistance for Lot-I and Lot-II, and an AFDB loan for Lot-III. (FY 1993 Domestic Survey) According to an informal information from OECF, the amount of loan is too big for small GNP country such as Mauritius to accept. It is difficult to consider new loan application since OECF is lending Yen 2 x 109 to GOM for Land Slide Project at present.	
4.REFERENCE NO.		(i) Lot-I: Construction of a diversion tunnel and preparatory works including a haul road, aggregates and concrete plants, dormitories and offices.					
5.TYPE OF STUDY D/D		(ii) Lot-II: Construction of a dam (rockfill dam with about 80m in height) and appurtenant structures.					
6.COUNTERPART AGENCY CWA (Central Water Authority)		(iii) Lot-III: Construction of raw water transmission pipeline (about 2 km) and water treatment facilities (30,000 cu.m/day)					
7.OBJECTIVES OF STUDY Detailed design of a dam, raw water transmission pipeline and water treatment facilities for water supply to the Port Louis city.							
8.DATE OF S/W Feb.1990		Imp. Period:					
9.CONSULTANT(S) Nippon Koei Co., Ltd. Nihon Suido Consultants Co., Ltd.		4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: Yes/No	EIRR1) 8.70 EIRR2) EIRR3)	FIRR1) 6.80 FIRR2) FIRR3)	
		Conditions and Development Impacts: Conditions: Financing by a low interest loan (less than annual rate of 3%) and improvement of tariff in accordance with increase of consumer price index, etc. are required.					
10.STUDY TEAM		Development impacts: (i) Improvement of welfare (ii) Industrial development					
No.of Members 22 Period Mar.1990-Mar.1992 (24 months)							
Total M/M Japan Field 134.00 65.00 69.00						2.MAJOR REASONS FOR PRESENT STATUS	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY Boring investigation; Test adit excavation Test for construction materials							
12.EXPENDITURE		5.technical transfer				3.PRINCIPAL SOURCE OF INFORMATION	
Total 607,033 (¥'000)		- Lectures and seminars on planning and design of dams and water treatment facilities - Counterparts participation to the study - Overseas training in Japan				①	
Contracted 322,000							

和名 ポートルイス市水供給計画

{F/S,D/D}

PROJECT SUMMARY (Other)

AFR NER/S 601/77

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Niger	1.SITE OR AREA	Niamey (the capital of Niger) and Cotonou in Benin		
2.NAME OF STUDY	Plan de consolidation et d'aménagement de la capacité de transport	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div> <div>1)</div> <div>2)</div> </div> <div>Total Cost Local Cost Foreign Cost</div> </div>		
3.SECTOR	Transportation/Fisheries	3.CONTENTES OF MAJOR PROJECT(S)	(Description) 1979 Mar. E/N of Japanese grant aid on road development (600 million yen) 1981 Mar. E/N of Japanese grant aid on transport capacity expansion (500 million yen)		
4.REFERENCE NO.		The study examined the possibility of strengthening the route between Niamey and Cotonou, which is the most important route in the development and diversification of transportation in the country. The study also examined other related requirements (e.g. construction of maintenance posts) for the execution of Japanese grant aid, and proposed the establishment of an automobile maintenance factory, among others. (Note) Cost was not calculated.			
5.TYPE OF STUDY	Other				
6.COUNTERPART AGENCY	Ministry of Transportation				
7.OBJECTIVES OF STUDY	Strengthening of transportation capacity between the capital and coastal cities of neighboring Benin				
8.DATE OF S/W	.0	4.CONDITIONS AND DEVELOPMENT IMPACTS	The project will contribute to the diversification of international transportation means.		
9.CONSULTANT(S)		The project will contribute to the diversification of international transportation means.			
10.STUDY TEAM					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12.EXPENDITURE		5.TECHNICAL TRANSFER	2.MAJOR REASONS FOR PRESENT STATUS		
Total	17,813 (¥000)		3.PRINCIPAL SOURCE OF INFORMATION		
Contracted			①		

和名 輸送力整備増強計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR NER/A 301/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Niger	1.SITE OR AREA	Kourani and Baria Area Thillabery district 1,380ha																		
2.NAME OF STUDY	Amenagement hydro-agricole de la cuvette de Kourani-Baria	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>4,688</td> <td>1,960</td> <td>2,728</td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	4,688	1,960	2,728	2)				3)			
	Total Cost	Local Cost	Foreign Cost																		
1) (US\$1,000)	4,688	1,960	2,728																		
2)																					
3)																					
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<p>The Government of Niger had newly designated 12 sites of land reclamation in the Niger river desin for attaining the self-sufficiency of food-stuff and for the raise of national living standard. This Project site is one of those sites. The Government of Niger had employed the French consultant to carry out the feasibility study on this Project area. After finishing the study, the Government requested the African Development Bank to give a loan assistance together with the report of the study. The African Development Bank deferred the loan assistance due to the insufficiency of the contents of the report. Considering this results, the Government of Niger requested the Government of Japan to carry out the complete feasibility study. In response to this request, the Government of Japan carried out this study as part of technical assistance. The study area locates on the major bed of the right bank of Niger river about 100km upstream from Niamey. By constructing the flood prevention dike on the rim of major bed, irrigated agriculture is to be executed on the fertile major bed.</p> <p>- Project Area 1,380 ha - Flood Prevention Dike 13.5 km - Pumping Station 2 locations - Irrigation Canal lining canal 32.4km, earth canal 38.0km - Drainage canal 34.3km - Farm Road 39.9km - Farm Land Considation 752 ha</p>																		
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>11.30</td> <td>13.50</td> </tr> <tr> <td></td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes/No	11.30	13.50		EIRR2)	FIRR2)		EIRR3)	FIRR3)				
Feasibility:	EIRR1)	FIRR1)																			
Yes/No	11.30	13.50																			
	EIRR2)	FIRR2)																			
	EIRR3)	FIRR3)																			
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>[Conditions]</p> <p>(1) Commission for the AfDB's loan (0.75% of loan amount) is converted into the economic price.</p> <p>(2) Products of this project are assumed to be the paddy and the straw</p> <p>(3) Evaluation is done for the financial analysis using fixed price as equivalent in 1992.</p> <p>(4) Remaining value of the facilities is appropriated at the last year of evaluation term</p> <p>(5) Reference year of evaluation is 1983. Evaluation term is 50 years from the reference year.</p> <p>(6) Benefit from the Project occurs from 1985 and full benefit occurs from 1987.</p> <p>[Development Impacts]</p> <p>(1) Contribution to the self-sufficiency of food-stuff through increasing the agricultural production.</p> <p>(2) Contribution to the raise of farmer's living standard by increasing the farmer's income through increasing the agricultural production.</p> <p>(3) Enlargement of the consumption and activation of the regional economy by increasing the income of labor wages through the facilities construction.</p> <p>(4) Settlement of the farmers or preventing the migration of villagers to other place through the considation of agricultural and social</p>																			
6.COUNTERPART AGENCY	Du Genie Rural au Ministere du Developpement Rural	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>																			
7.OBJECTIVES OF STUDY	To judge the feasibility of this sproject considering the construction of flood prevention dike and other irrigation facilities.	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>																			
8.DATE OF S/W	Aug.1982	<p>Imp. Period: 1984-1986</p>																			
9.CONSULTANT(S)	Japan Engineering Consultants Co., Ltd. Naigai Engineering Co., Ltd.	<p>5.technical transfer</p> <p>- OJT - Acceptance of Trainee (1)</p>																			
10.STUDY TEAM	<p>No.of Members 10</p> <p>Period Sep.1982-Jul.1983(8 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>47.83</td> <td>24.21</td> <td>23.62</td> </tr> </tbody> </table>	Total M/M	Japan	Field	47.83	24.21	23.62	<p>12.EXPENDITURE</p> <table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>143,811 (¥'000)</td> <td>113,685</td> </tr> </tbody> </table>				Total	Contracted		143,811 (¥'000)	113,685					
Total M/M	Japan	Field																			
47.83	24.21	23.62																			
	Total	Contracted																			
	143,811 (¥'000)	113,685																			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																					

和名 クラニ・バリア灌漑農業開発計画

{F/S,D/D}

PROJECT SUMMARY (M/P)

AFR NER/A 101/89

Compiled Mar.1991
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Niger	1.SITE OR AREA	Ouallam prefecture (about 22,000sq.km, population 186,000)		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued						
2.NAME OF STUDY	Rehabilitation of Ouallam Area	2.PROJECT COST	(US\$1,000) Total Cost Local Cost Foreign Cost 1) 344,917 2) 104,260								
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	(Description) The Government of Niger requested for a Japanese grant on the urgent priority project (e.g. development of wells and irrigation facilities), and the project has been under implementation with Japanese assistance. Oct.1989 - Mar.1990 Basic design study undertaken Nov.1990 E/N signed (365 million yen) Jul.1991 E/N signed (441 million yen)								
4.REFERENCE NO.		- Rehabilitation Project of the basic farm land - Rehabilitation Project of the basic stockbreeding - Development Project of the arid crops - Water supply project - Tree planting project - Road Construction project - Reproduction project of the breedings and live-stock transformation - Inland Fishery project - Fruit tree planting project									
5.TYPE OF STUDY	M/P										
6.COUNTERPART AGENCY	Ministry of Plan										
7.OBJECTIVES OF STUDY	Master Plan Study										
8.DATE OF S/W	Jan.1987	4.CONDITIONS AND DEVELOPMENT IMPACTS	The Ouallam region is situated in the Tillabery department that has 1,281,000 populations. Up to 1960, in this region had a large green land because of a lot of rainfalls. But since 1970, the unnatural climate conditions had continued to the Ouallam region. The agricultural land had been changed to devastated land and the basic vital population has fallen owing to the several dry weather. Considering these natural conditions, the project for the rehabilitation of the Ouallam agricultural Zone should be planned aiming at insuring the vital water supply and preventing the decline of the population.								
9.CONSULTANT(S)	Construction Project Consultants Kokusai Kougyo Co., Ltd.										
10.STUDY TEAM	No.of Members 11 Period Mar.1988-Jul.1989(11 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>33.90</td> <td>5.94</td> <td>27.96</td> </tr> </tbody> </table>	Total M/M	Japan	Field	33.90	5.94	27.96				
Total M/M	Japan	Field									
33.90	5.94	27.96									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Landsat analyze well exgraving										
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>198,830 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>184,498</td> </tr> </tbody> </table>		198,830 (¥'000)	Total		Contracted	184,498	5.technical transfer	Training of the practical use method for the supplied equipment		
	198,830 (¥'000)										
Total											
Contracted	184,498										
		2.MAJOR REASONS FOR PRESENT STATUS									
		Ouallam Prefecture is located in the front line of desertification which has been relentlessly expanding since the drought during 1973 - 1974. The population in the prefecture suffer from the on-going land degradation and the unstable and unproductive rain-fed agriculture. The Government of Niger considers that the stabilization and income improvement in rural areas is one of the major national objectives, and the implementation of the proposed project was given top priority.									
		3.PRINCIPAL SOURCE OF INFORMATION									
		①②									

和名 ウアラム農村復興計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR NER/A 302/89

Compiled Mar.1991
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Niger	1.SITE OR AREA	Dosso and Gaya																	
2.NAME OF STUDY	Projet d'aménagement hydroagricole de la cuvette d'Ouna-Kouanza	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>62,900</td> <td>29,025</td> <td>33,875</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	62,900	29,025	33,875							
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	62,900	29,025	33,875																	
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	<p>The Government of Niger is proceeding the agricultural development in the Niger river basin for attaining the self-sufficiency of food-stuff and for the raise of national living standard. The Government of Niger had executed the pre-feasibility study in 1985 for the irrigation development project in the Gaya area under the cooperation of the Government of France. Considering the results of study, the Government of Niger requested the Government of Japan to carry out the feasibility study on this Project from the three project sites selected in the Gaya area.</p> <p>The Project site locates on the major bed of the right bank of the Niger river about 200km south-east from Niamey. By constructing the flood prevention dike on the rim of major bed, irrigated agriculture is to be executed on the fertile major bed.</p> <ul style="list-style-type: none"> - Project area 3,828 ha - Flood Prevention Dike 42.1 km - Irrigation Area 2,905 ha - Pumping Station 10 locations - Irrigation Canal 94.6 km - Farm Land Consolidation 2,491 ha 																	
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>7.93</th> <th>FIRR1)</th> <th>3.94</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>[Conditions]</p> <ol style="list-style-type: none"> (1) Evaluation period is 50 years including construction period. (2) Inflation is not considered for input cost and output benefit. (3) Capital opportunity cost of 8 per cent annually is adapted (4) Exchange rate of 1 US dollar : 320 FCFA is adopted. (5) Opportunity costs of skilled labour and unskilled labour are assumed as 1.0 and 0.5 respectively. (6) Various conversion factors are assumed as follows: <ul style="list-style-type: none"> - for normal factor : 0.92 - for consumption factor : 0.90 - for transportation factor : 0.75 - for electric power factor : 0.85 (7) Remaining value of the facilities is not considered. <p>[Development Impacts]</p> <ol style="list-style-type: none"> (1) Contribution to the self-sufficiency of food-stuff through increasing the agricultural production. (2) Prevention of damage to the crops from flooding by the construction of flood prevention dike. (3) By the above (1) and (2) farmer's income is increasing and farmer's living standard is improved. (4) Promotion of livestock industry through increasing the by-products of agriculture and promotion of fishing industry using the former river channel in the Project area. 			Feasibility:	EIRR1)	7.93	FIRR1)	3.94	Yes/No	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	7.93	FIRR1)	3.94																
Yes/No	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
5.TYPE OF STUDY	F/S	5.technical transfer	<ul style="list-style-type: none"> - Acceptance of Trainee(1) - OJT 																	
6.COUNTERPART AGENCY	Ministere de l'agriculture et de l'Environnement	6.PRINCIPAL SOURCE OF INFORMATION	①②																	
7.OBJECTIVES OF STUDY	To judge the feasibility of this project considering the construction of flood prevention dike and other irrigation facilities.	7.PRINCIPAL SOURCE OF INFORMATION	①②																	
8.DATE OF S/W	Apr.1987	8.PRINCIPAL SOURCE OF INFORMATION	①②																	
9.CONSULTANT(S)	Japan Engineering Consultants Co., Ltd. Sanyu Consultants Inc.	9.PRINCIPAL SOURCE OF INFORMATION	①②																	
10.STUDY TEAM	<p>No.of Members 9</p> <p>Period Mar.1988-Aug.1989(17 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>49.80</td> <td>18.80</td> <td>31.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	49.80	18.80	31.00	10.STUDY TEAM	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <ul style="list-style-type: none"> - The relation between KR Aid and Other Aid - The difficulty of an assistance system in French Area - Paddy production mainly 											
Total M/M	Japan	Field																		
49.80	18.80	31.00																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	A topographical map produced by Kokusai Kougyo Co.,Ltd.	11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>225,317 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>180,304</td> </tr> </tbody> </table>	Total	225,317 (¥'000)	Contracted	180,304	12.EXPENDITURE	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>													
Total	225,317 (¥'000)																			
Contracted	180,304																			

和名 ウナ・クワンザ農業水利整備計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR NGA/A 301/77

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																						
1.COUNTRY	Nigeria	1.SITE OR AREA	Suburb of Oweri City in Imo State (2,600ha) and Auch in Bendel state (2,850ha)																							
2.NAME OF STUDY	Agricultural Development Projects in Imo and Bendel States	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>1) 35,771</td> <td></td> <td></td> </tr> <tr> <td></td> <td>2) 36,213</td> <td></td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 35,771				2) 36,213				3)							
	Total Cost	Local Cost	Foreign Cost																							
(US\$1,000)	1) 35,771																									
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	3)																									
3.SECTOR	Agriculture/General	3.CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th></th> <th>Oweri Project</th> <th>Auch Project</th> </tr> </thead> <tbody> <tr> <td>Paddy Area Development(ha)</td> <td>2,100</td> <td>2,100</td> </tr> <tr> <td>Intake (Nos., capacity)</td> <td>1 nos.</td> <td>1 nos.</td> </tr> <tr> <td>Irrigation canal length(km)</td> <td>3.0cu.m/sec</td> <td>1.5cu.m/sec</td> </tr> <tr> <td>Drainage canal length(km)</td> <td>297.4</td> <td>302.4</td> </tr> <tr> <td>Rice mill(Unit/Cap.)</td> <td>136</td> <td>136.8</td> </tr> <tr> <td></td> <td>3 Units 1.5t/ea</td> <td>3 Units 1.5t/ea</td> </tr> </tbody> </table>				Oweri Project	Auch Project	Paddy Area Development(ha)	2,100	2,100	Intake (Nos., capacity)	1 nos.	1 nos.	Irrigation canal length(km)	3.0cu.m/sec	1.5cu.m/sec	Drainage canal length(km)	297.4	302.4	Rice mill(Unit/Cap.)	136	136.8		3 Units 1.5t/ea	3 Units 1.5t/ea
	Oweri Project	Auch Project																								
Paddy Area Development(ha)	2,100	2,100																								
Intake (Nos., capacity)	1 nos.	1 nos.																								
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Drainage canal length(km)	297.4	302.4																								
Rice mill(Unit/Cap.)	136	136.8																								
	3 Units 1.5t/ea	3 Units 1.5t/ea																								
4.REFERENCE NO.			(Description) No information is available.																							
5.TYPE OF STUDY	F/S																									
6.COUNTERPART AGENCY	Ministry of Agriculture																									
7.OBJECTIVES OF STUDY	Formulation of Agricultural Development Project in Imo and Bendel States																									
8.DATE OF S/W	.0	Imp. Period:	Oct.1977-Dec.1982																							
9.CONULTANT(S)	Nippon Koei Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>12.00</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>7.10</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	12.00	FIRR1)	Yes/No	EIRR2)	7.10	FIRR2)		EIRR3)		FIRR3)									
Feasibility:	EIRR1)	12.00	FIRR1)																							
Yes/No	EIRR2)	7.10	FIRR2)																							
	EIRR3)		FIRR3)																							
10.STUDY TEAM	No.of Members 9 Period Nov.1976-Jun.1977(8 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field				Conditions and Development Impacts: Condition: Project benefit is estimated based on the net crop production benefit derived from the difference of net benefit between with and without project conditions. Impacts: 1.Increase of agricultural production 2.Increase of employment opportunities 3.Contribution to the regional economy																		
Total M/M	Japan	Field																								
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	2.MAJOR REASONS FOR PRESENT STATUS																							
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>93,664 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>76,101</td> <td></td> </tr> </tbody> </table>		Total	93,664 (¥'000)	Contracted	76,101		3.PRINCIPAL SOURCE OF INFORMATION																		
	Total	93,664 (¥'000)																								
Contracted	76,101																									
			①																							

和名 イモ州およびベンデル州農業開発計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

AFR NGA/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	Nigeria	1.SITE OR AREA	Coast of Cross River Province and Lagos								
2.NAME OF STUDY	New Ocean Terminal Project	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div> <div>1) 1,093,800</div> <div>2) 882,800</div> </div> <div>Total Cost Local Cost Foreign Cost</div> </div>								
3.SECTOR	Transportation/Port	3.CONTENTES OF MAJOR PROJECT(S)	(Description) No information is available.								
4.REFERENCE NO.		2 alternative locations for the New Ocean Terminal were identified, viz, 1) Lagos and 2) Eastern Coast (Cross River). The proposed port at Lagos is an excavated type of 1 entry 3 divergent channels, with commercial and industrial function, equipped with industrial and urban facilities. Target year is 2000. Excavated Port : 1900ha (land 973ha, water 927ha) Facilities : 64 berths for commerce, 26 berths for industry Industrial estate : 2340ha, urban estate : 2900ha Planned population : 20,000 Breakwater, rail, roads									
5.TYPE OF STUDY	M/P										
6.COUNTERPART AGENCY	Nigerian Ports Authority										
7.OBJECTIVES OF STUDY	Locating of the new port and study on the optional scale of port development	4.CONDITIONS AND DEVELOPMENT IMPACTS	2.MAJOR REASONS FOR PRESENT STATUS								
8.DATE OF S/W	Oct.1977	Development Impacts: -alleviates present congestion at Lagos port -meets increasing demand in the future -streamlines freight distribution									
9.CONSULTANT(S)	Overseas Coastal Area Development Institute of Ja Kokusai Kogyo Co., Ltd. Pacific Consultants International										
10.STUDY TEAM	No.of Members 16 Period Jan.1978-Jan.1982 (48 months) <table border="1"> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>148.15</td> <td>87.73</td> <td>60.42</td> </tr> </table>	Total M/M	Japan	Field	148.15	87.73	60.42	5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION ①		
Total M/M	Japan	Field									
148.15	87.73	60.42									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		Training counterpart on the methodologies of natural conditions survey and port planning etc.									
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>544,370 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>413,697</td> </tr> </table>	Total	544,370 (¥'000)	Contracted	413,697						
Total	544,370 (¥'000)										
Contracted	413,697										

和名 新港建設計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (M/P+F/S)

AFR NGA/S 201B/90

Compiled Mar.1992
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																										
1.COUNTRY	Nigeria	1.SITE OR AREA	Whole area of Sokoto State (100,000 sq.km) involving 47 candidate villages for water supply planning<M/P> 47 sites of middle to large scale villages in Sokoto State<F/S>																											
2.NAME OF STUDY	Groundwater Development in Sokoto State	2.PROJECT COST	<table border="1"> <tr> <td>M/P 1)</td> <td>3,432</td> <td>Local Cost</td> <td>8 Foreign Cost</td> <td>3,424</td> </tr> <tr> <td>(US\$1,000)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>F/S 1)</td> <td>6,202</td> <td></td> <td>17</td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			M/P 1)	3,432	Local Cost	8 Foreign Cost	3,424	(US\$1,000)					F/S 1)	6,202		17		2)					3)				
M/P 1)	3,432	Local Cost	8 Foreign Cost	3,424																										
(US\$1,000)																														
F/S 1)	6,202		17																											
2)																														
3)																														
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTS OF MAJOR PROJECT(S)	<p><M/P> 1) About 50% each of the area concerned consists of sedimentary formations and outcrop of the basement rocks, among which older sedimentary area and basement rock area have been regarded as difficult areas for groundwater development. Therefore, it is desirable to study the hydrogeological structure and evaluate the groundwater potential covering whole area of Sokoto State.</p> <p>2) The water supply system with a source of groundwater should be planned for 47 candidate sites of middle to large scale villages. The types of the supply system should be in accordance with groundwater potential and type/dimension of the villages.</p> <p>3) Water supply facility is divided into following three types (ground water potential and type/dimension of villages)</p> <p>A. Semi-urban type: Simple water supply facility consists of motorized pumping facility well, water tank, supply piping and public hydrant</p> <p>B. Rural type: construction of plural hand pumping C. Complex type: A + B.</p> <p><F/S> The water supply system in accordance with groundwater potential and the type/scale of the villages are to be constructed in 47 candidate villages. The project goal is not only the system construction, but also to establish the management system for the operation and maintenance.</p> <p>- Among 47 villages, the immediate implementation for the 20 higher priority villages is under consideration. The 15 water supply systems with motorized pumping facility are planned in high groundwater potential area, and the plural hand pump facilities are planned in 8 villages where groundwater potential is rather low. The project cost for 20-village system construction is estimated to be US\$6,202,900.</p>																											
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <tr> <td>Feasibility:</td> <td>EIRR1)</td> <td>FIRR1)</td> </tr> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </table>			Feasibility:	EIRR1)	FIRR1)	Yes/No	EIRR2)	FIRR2)		EIRR3)	FIRR3)																
Feasibility:	EIRR1)	FIRR1)																												
Yes/No	EIRR2)	FIRR2)																												
	EIRR3)	FIRR3)																												
5.TYPE OF STUDY	M/P+F/S	5. TECHNICAL TRANSFER	<p>1) Methodology on groundwater development survey especially for the area of basement rock. 2) Data acquisition and analysis on geophysical prospecting method. 3) Suitable designing of water supply system for varieties of topographic condition an village type. 4) Methodology on self D/M undertaken by association of beneficiary.</p>																											
6.COUNTERPART AGENCY	Federal Department of Water Resources (FDWR), Sokoto-Rima River Basin Development Authority (SRRDA), Sokoto State Water Board	6. MAJOR REASONS FOR PRESENT STATUS	<p>The SSWB is responsible for water supply system construction and maintenance for both of urban area and semi-urban area, but because of shortage of the budget, the construction of semi-urban system has not been implemented for these several years.</p> <p><Additional info></p> <p>- Small villages under 500 inhabitants have hand pumping wells and large cities in the state have water supply facilities but middle and large scale of villages (1000-23,000 inhabitants) were almost ignored.</p>																											
7.OBJECTIVES OF STUDY	<p>-To evaluate groundwater potential in whole Sokoto State</p> <p>-To make a plan of water supply for middle to large scale villages (47 villages)</p>	7. PRINCIPAL SOURCE OF INFORMATION	①																											
8.DATE OF S/W	Feb.1988																													
9.CONSULTANT(S)	Kokusai Kougyo Co., Ltd. Sanyu Consultants Inc.																													
10.STUDY TEAM	<p>No. of Members 10</p> <p>Period Mar.1988-Jun.1990 (27 months)</p> <table border="1"> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>99.07</td> <td>37.30</td> <td>61.77</td> </tr> </table>	Total M/M	Japan	Field	99.07	37.30	61.77	<p>Imp. Period: Jul.1992-Jun.1994</p> <p>Conditions and Development Impacts:</p> <p><M/P> Realization of the plan and maintenance of the facilities should be handled by Sokoto State Water Board. Improving of living basis of the villages contribute to development of the industries in the state.</p> <p><F/S> It had been believed that the groundwater development was rather difficult in the basement rock area. However, it has been revealed that the appropriate hydrogeological survey must make groundwater development possible.</p> <p>- The SSWB is responsible for both construction and maintenance of water supply system for rural area under regulation of the Sokoto State. However, since many of the system remain not functioning due to shortage of manpower and budget, it is recommended to introduce the self-maintaining method by the community of beneficiary.</p> <p>- By construction of water supply systems in 20 villages, nearly 150 thousand inhabitants can obtain safe and stable drinking water.</p>	<p>(Description)</p> <p>The application of Japan's Grant Aid System has been officially requested for the implementation scheme of 20 higher priority villages, in December 1990.</p> <p>- In response to the request, Japanese Government decided to conduct the Basic Design Study.</p> <p>- The site study was conducted from Sep. 8 to Oct. 7, 1991.</p> <p>- The Basic Design Study Report was finalized by the end of January 1992.</p> <p>- 1992.6.15 E/N signed. (641 million yen)</p> <p>- 1992.8 made a contract of consultant service</p> <p>- 1992.12 made a construction contract</p> <p>- 1993.1 ratified</p> <p>- 1993.3 extension of contract</p> <p>- 1993.4 construction preparation at site</p> <p>- 1993.5 started construction work</p> <p>- 1994.1 scheduled to be completed</p> <p>Sokoto State was divided into two states (Sokoto and Kebi). 12 villages among 20 located in Sokoto State belong to this D/D and SV, and rest of 8 villages in Kebi State need re-study of Basic Design.</p> <p>(FY1992 Overseas Survey)</p> <p>Waiting for the answer</p>																					
Total M/M	Japan	Field																												
99.07	37.30	61.77																												
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	<p>-12 numbers of test well construction</p> <p>-Construction of a model water supply system</p>																													
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>559,343 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>479,402</td> </tr> </table>	Total	559,343 (¥'000)	Contracted	479,402																									
Total	559,343 (¥'000)																													
Contracted	479,402																													

和名 北部地下水開発計画

{M/P+F/S}

PROJECT SUMMARY (M/P)

AFR RWA/S 101/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS				
1.COUNTRY	Rwanda	1.SITE OR AREA	Kibungo Prefecture in the eastern part of Rwanda(2.666sq.km) Kibungo Prefecture in the eastern part of Rwanda(2.666sq.km, population of 433,000 in 1988)		1.PRESENT STATUS			
2.NAME OF STUDY	Rural Water Supply Project in the Eastern Region	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div> <div>1) 5,902</div> <div>2) 2,631</div> </div> <div>Total Cost Local Cost Foreign Cost</div> </div>		<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued			
3.SECTOR	Public Utilities/Timber Processing	3.CONTENTS OF MAJOR PROJECT(S)	(Description) This was the first project of groundwater development in the country. Seismic prospecting technology was appreciated by the local personnel. Based on the study, a Japanese grant was approved for project implementation. Dec. 1986 E/W (400 million yen) Jul. 1987 E/W (178 million yen) (FY1991 Overseas Survey) The project was integrated in the 3rd Economic, Social and Cultural Development Plan (1982 - 1986). It was also integrated in the sector strategies (Food, Potable Water and Health) in 1988. The project was divided into three phases, of which Phase I was implemented. Only basic designs have been completed for the remaining two phases (Phases II and III). Compared with other regions, the eastern region is more disadvantaged in infrastructure for water resource development. The project is assigned high priority in relation to the objectives in the sphere of potable water and health during the 2nd United Nations Development Decade.					
4.REFERENCE NO.		- Deep wells 186 sites - Rainwater storage facilities 12 sites - Repair shop for well excavation and maintenance equipment	4.CONDITIONS AND DEVELOPMENT IMPACTS Prevention of water borne disease through supply of safe, clean water to villages in eastern Rwanda(Kibungu), and elimination of severe labor burden required in transporting domestic water from distant sources. It is also anticipated that the project will promote other groundwater development throughout the country.					
5.TYPE OF STUDY	M/P							
6.COUNTERPART AGENCY	Directorate General of Water, Ministry of Public Works and Energy (MINITRAPEE)							
7.OBJECTIVES OF STUDY	Domestic water supply							
8.DATE OF S/W	Jan.1984	2.MAJOR REASONS FOR PRESENT STATUS						
9.CONSULTANT(S)	Chuo Kaihatsu Cor.							
10.STUDY TEAM	No.of Members 11 Period Oct.1984-Jul.1986(22 months) <table> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>59.50</td> <td>3.50</td> <td>56.00</td> </tr> </table>					Total M/M	Japan	Field
Total M/M	Japan	Field						
59.50	3.50	56.00						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION ①②						
12.EXPENDITURE	<table> <tr> <td>Total</td> <td>278,112 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>209,968</td> </tr> </table>					Total	278,112 (¥'000)	Contracted
Total	278,112 (¥'000)							
Contracted	209,968							

和名 東部生活用水開発計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR RWA/S 301/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Rwanda	1.SITE OR AREA	Kibungo Prefecture in the eastern part of Rwanda (2,666sq.km, population of 433,000 in 1988)														
2.NAME OF STUDY	Rural Water Supply Project in the Eastern Region (Phase 3)	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>40,750</td> <td>24,450</td> <td>16,300</td> </tr> <tr> <td>US\$1=128Rfr</td> <td>22,120</td> <td>13,272</td> <td>8,848</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	40,750	24,450	16,300	US\$1=128Rfr	22,120	13,272	8,848
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	40,750	24,450	16,300														
US\$1=128Rfr	22,120	13,272	8,848														
3.SECTOR	Social Infrastructures/Water Resource Development	3.CONTENTIS OF MAJOR PROJECT(S)	<p>1.Basic Plan System 1: Piped water supply system with treatment facilities and public standpipes (2 sites) System 2: Small-scale piped water supply system with pump facilities and public standpipes (8 sites) System 3: Shallow wells with manual pumps (477 wells) System 4: Rainwater harvesting (for 8,351 families)</p> <p>2.Priority Scheme System 1: Muhazi and Sake System 2: Kayanza-1, Kayanza-2 and Kabarndo System 3: 75 Priority-A shallow wells and 153 Priority-B shallow wells</p> <p>In addition to the above, the following institutional development measures are recommended: 1) Technical management and essential maintenance of Systems 1 and 2 to be done by ELECTROGAZ, 2) Strengthening of MINITRAPEE's Kibungo Office, 3) Measures for environmental conservation, and 4) Strengthening of the education program for residents.</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts: Conditions: From financial, economic and social points of view, it would be rather difficult to implement the entire Basic Plan by the year 2000. However, the implementation of the projects included in the Priority Plan are judged possible, and the early implementation is recommended.</p> <p>Development Impacts: 1) Increase of service population: The ratio of service population will increase from 24.2% of the total population in 1988 to 69.9% in 2000 if the priority scheme is implemented (the implementation of the entire Basic Plan would raise the ratio to 100%); 2) Improvement of public health and environmental sanitation (decreased morbidity and mortality rates of water-borne diseases like malaria and diarrhea); 3) Decreased labor for drawing water from marshes and rivers; 4) Economic benefits accruing from utilizing the labor released from water drawing for agriculture and other productive activities; 5) Increased awareness of the local population in community development and 6) Establishment of a self-supporting system for groundwater development.</p>			Feasibility:	EIRR1)	FIRR1)	Yes/No	EIRR2)	FIRR2)		EIRR3)	FIRR3)			
Feasibility:	EIRR1)	FIRR1)															
Yes/No	EIRR2)	FIRR2)															
	EIRR3)	FIRR3)															
5.TYPE OF STUDY	F/S	5.technical transfer															
6.COUNTERPART AGENCY	Directorate General of Water, Ministry of Public Works, Energy and Water (MINITRAPEE)	6.PRINCIPAL SOURCE OF INFORMATION	①														
7.OBJECTIVES OF STUDY	To establish a master plan for water supply and analyze the optimum water supply system.	7.PRINCIPAL SOURCE OF INFORMATION	①														
8.DATE OF S/W	Dec.1988	8.PRINCIPAL SOURCE OF INFORMATION	①														
9.CONSULTANT(S)	Pacific Consultants International	9.PRINCIPAL SOURCE OF INFORMATION	①														
10.STUDY TEAM	<p>No.of Members</p> <p>Period Dec.1988-Jan.1992 (37 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>65.50</td> <td>22.50</td> <td>43.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	65.50	22.50	43.00	10.PRINCIPAL SOURCE OF INFORMATION	①								
Total M/M	Japan	Field															
65.50	22.50	43.00															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		11.PRINCIPAL SOURCE OF INFORMATION	①														
12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>370,797 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>266,000</td> </tr> </tbody> </table>	Total	370,797 (¥'000)	Contracted	266,000	12.PRINCIPAL SOURCE OF INFORMATION	①										
Total	370,797 (¥'000)																
Contracted	266,000																

和名 東部生活用水開発計画 (Phase 3)

(F/S,D/D)

PROJECT SUMMARY (Basic Study)

AFR SEN/S 501/78

Compiled Mar. 1986
Revised Mar. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS											
1.COUNTRY	Senegal	1.SITE OR AREA		1.PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued										
2.NAME OF STUDY	L'operation de dressage de la carte photographique au moyen de la projection orthographique pour le projet de construction de la ligne de chemin de Faleme	Tambacounda - Koudekourou													
3.SECTOR	Transportation/Railway	2.PROJECT COST	(US\$1,000) <table border="1"> <tr> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>1)</td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> </tr> </table>	Total Cost	Local Cost	Foreign Cost	1)			2)			(Description) (FY 1991 Overseas Survey) The aeronautical maps were provided to "Societe des mines de fer du senegal oriental (MIFERSO)". It is reported that the French team working on the mining development used the aerophoto maps during their feasibility study. By utilizing the map, a report was being prepared during Jan.-March of 1992 in order to obtain financing from the Trade and Development Programme of the United States Government. When the feasibility is confirmed by the study, the Government of Senegal will request a loan from the World Bank.		
Total Cost	Local Cost	Foreign Cost													
1)															
2)															
4.REFERENCE NO.		3.CONTENTES OF MAJOR PROJECT(S)													
5.TYPE OF STUDY	Basic Study	The study prepared topographic aerophoto maps (scale:1/10,000) over the area of 250 sq.km, which will be used to plan the construction of a new railway line between Tambacounda and Faleme) to transport iron ores from the iron mine in Faleme now under development.													
6.COUNTERPART AGENCY	Ministere des Travaux Publics de L'urbanisme des Transports														
7.OBJECTIVES OF STUDY															
8.DATE OF S/W	Jul.1977														
9.CONSULTANT(S)	Kokusai Kougyo Co., Ltd.	4.CONDITIONS AND DEVELOPMENT IMPACTS													
		The purpose of this project is to prepare aeronautical maps. This map will be utilized when F/S is practiced.													
10.STUDY TEAM	No.of Members 14 Period Jan.1978-Mar.1978 (3 months)														
	<table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>39.80</td> <td>14.60</td> <td>25.20</td> </tr> </table>	Total M/M	Japan	Field	39.80	14.60	25.20								
Total M/M	Japan	Field													
39.80	14.60	25.20													
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY				2.MAJOR REASONS FOR PRESENT STATUS											
12.EXPENDITURE		5.technical transfer		3.PRINCIPAL SOURCE OF INFORMATION											
Total	175,302 (¥'000)	1) On-the-job training for counterparts 2) Participation of the counterparts in the JICA training program		①②											
Contracted	96,411														

和名 ファレメ鉄道建設計画に関する写真図作成

(M/P, Basic Study, Other)

PROJECT SUMMARY (F/S)

AFR SEN/S 301/80

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Senegal	1.SITE OR AREA	Compagnie Senegalaise de Navigation Maritime (COSENAM)																						
2.NAME OF STUDY	Fleet Expansion Program	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>23,946</td> <td></td> <td></td> </tr> <tr> <td>1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	23,946			1)				2)				3)			
	Total Cost	Local Cost	Foreign Cost																						
(US\$1,000)	23,946																								
1)																									
2)																									
3)																									
3.SECTOR	Transportation/Marine Transportation & Ships	3.CONTENTES OF MAJOR PROJECT(S)	<p>The study examined the purchase and operation of two freight vessels by the national shipping company (COSENAM, established in October 1979). The fleet will travel between Dakar and France and Belgium (18 trips per annum).</p> <p>- Multi-purpose vessels of 9,000DWT each (capacity of shipping 326 containers)</p> <p>*The a/m cost is for Plan B.</p>																						
4.REFERENCE NO.		<p>(Description)</p> <p>The study was originally undertaken for ven credit application, but the attempt was subsequently discontinued.</p> <p>(FY1991 Overseas Survey)</p> <p>Counterparts at CONSENAM at the time of the study were transfered to other departments. No information was available.</p>																							
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	Ministry of Equipment																								
7.OBJECTIVES OF STUDY	Examination of technical and economic feasibility on the purchase and operation of multipurpose vessels																								
8.DATE OF S/W	.0																								
9.CONULTANT(S)	Japan Maritime Research Institute	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)																				
10.STUDY TEAM	<p>No.of Members 7</p> <p>Period Jul.1980-Dec.1980 (5 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>9.04</td> <td>6.37</td> <td>2.67</td> </tr> </tbody> </table>	Total M/M	Japan	Field	9.04	6.37	2.67	<p>Conditions and Development Impacts:</p> <p>The specifications of vessels proposed by the Senegalese side (Alternative A) would cost 2,950 million yen per vessel with lower IRR of 5.89%. The revised plan (Alternative B) would cost 2,700 million yen per vessel with higher IRR of 7.32%.</p> <p>The establishment and operation of the national fleet will contribute to the balance of payments improvement. Most of the West African countries are trying to develop national shipping fleets, which are important both economically and politically.</p>																	
Total M/M	Japan	Field																							
9.04	6.37	2.67																							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS																							
12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>26,623 (¥000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>16,230</td> </tr> </tbody> </table>	Total	26,623 (¥000)	Contracted	16,230	5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION																		
Total	26,623 (¥000)																								
Contracted	16,230																								
		unknown	①②																						

和名 船舶増強計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR SEN/A 301/86

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT										
1.COUNTRY	Senegal	1.SITE OR AREA	On the River Basin of Senegal which is in the northern part of the country. In the suburb of the city Richaro-Toll which is 450km far from Dakar.											
2.NAME OF STUDY	Projet de developpement rural de petite envergure et de l'etude experimentale du developpement agricole(Thiago-Guiers)	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>3,380</td> <td>900</td> <td>2,480</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	3,380	900	2,480	
	Total Cost	Local Cost	Foreign Cost											
(US\$1,000)	3,380	900	2,480											
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<p>Agricultural land reclamation-----200ha Facilities for irrigation and drainage ----200ha Construction of a bridge-----1 unit on 800m Rice mill, Public hall, and warehouse-----1 unit each</p>											
4.REFERENCE NO.														
5.TYPE OF STUDY	F/S													
6.COUNTERPART AGENCY	Ministry of Plan and Cooperation Ministry of Rural Development													
7.OBJECTIVES OF STUDY														
8.DATE OF S/W	.0	Imp. Period:	.1988-.1989											
9.CONSULTANT(S)	Taiyo Consultants Co., Ltd. Chuo Kaihatsu International Corp. Japan Engineering Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts: Conditions: Since the Manantali Dam and Dama Dam were constructed on the upstream and downstream respectively of the River Senegal, the agriculture on the River Basin does not depend on flooding of the River. All the irrigation water is provided by pumps. Benefit from the project: The proposed project is to develop agriculture in the area of sandy soils which is widely found on the Senegal River Basin. Through implementation of the project, extension of irrigated agriculture, area development and promotion of employment are expected. The project will also provide a model of agriculture in the semi-arid areas.</p>			Feasibility:	EIRR1)	FIRR1)	Yes/No	EIRR2)	FIRR2)		EIRR3)	FIRR3)
Feasibility:	EIRR1)	FIRR1)												
Yes/No	EIRR2)	FIRR2)												
	EIRR3)	FIRR3)												
10.STUDY TEAM	No.of Members 9 Period Jan.1986-Jan.1987(12 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>63.22</td> <td>12.60</td> <td>50.62</td> </tr> </tbody> </table>	Total M/M	Japan	Field	63.22	12.60	50.62							
Total M/M	Japan	Field												
63.22	12.60	50.62												
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey Analysis of soil samples	5.technical transfer	- Acceptance of one trainee on in-service training in Japan.											
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>247,995 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>227,661</td> <td></td> </tr> </tbody> </table>		Total	247,995 (¥'000)	Contracted	227,661								
	Total	247,995 (¥'000)												
Contracted	227,661													
		1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" 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)	<p>Progress: The project was submitted for the Japanese Grant Program, immediately after the completion of F/S. The basic design survey was carried out by JICA in February 1988, and the project was implemented in two phases. 1988.9.16 Phase I E/N 649million yen 1989.7.3 Phase II E/N 408million yen (FY 1991 Overseas Survey) After the study, the project was included in the National Development Plan. Because of the budgetary constraints, the Government requested the Japanese grant for the project implementation.</p>											
		2.MAJOR REASONS FOR PRESENT STATUS	<p>The project was accepted as a good one to help alleviate the hunger in Africa and to introduce the advanced agriculture with irrigation by using water reservoirs which was constructed recently.</p>											
		3.PRINCIPAL SOURCE OF INFORMATION	①②											

和名 小規模農村開発計画

{F/S,D/D}

PROJECT SUMMARY (Basic Study)

AFR SEN/A 501/90

Compiled Mar.1992
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Senegal	1.SITE OR AREA	The outskirts of Richard-Toll city located in Senegal River Basin, 450km north from Dakar								
2.NAME OF STUDY	Agricultural Verification Study	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div>1)</div> <div>2)</div> </div> <div>Total Cost Local Cost Foreign Cost</div>								
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<p>Execution of verification study on agricultural production techniques and irrigated farm-land managing techniques at the verification farm of 5.8ha located on semiarid area in the West Africa. The agricultural production techniques consist of cultivation system, rice cultivation by irrigation, cultivation of legumes and vegetables, tuber crops and forage crops.</p> <p>The irrigated farm-land managing techniques consist of water management and irrigation, mechanization, protection of agriculture and cooperative group.</p>								
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	<p>The agriculture in Senegal River Basin has transferred from flood irrigation to pump irrigation due to completion of Manantali Dam and Diama Dam. Extension of irrigated agriculture and rural development, and acceleration of employment is expected due to execution of agricultural development project at sandy area in Senegal River Basin. The project will be a model of agriculture in semiarid area.</p>								
5.TYPE OF STUDY	Basic Study	5.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
6.COUNTERPART AGENCY	Ministry of Plan and Cooperation Ministry of Rural Development	6.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
7.OBJECTIVES OF STUDY	Collection & Analysis of data offered through the study at the agricultural verification farm on semiarid agriculture	7.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
8.DATE OF S/W	Oct.1985	8.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
9.CONSULTANT(S)	Taiyo Consultants Co., Ltd. Chuo Kaihatsu Cor. Hokkaido Engineering Consultants Co., Ltd. Nippon Giken Inc.	9.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
10.STUDY TEAM	<p>No.of Members 11</p> <p>Period Jun.1986-Feb.1991(57 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>217.36</td> <td>25.83</td> <td>191.53</td> </tr> </tbody> </table>	Total M/M	Japan	Field	217.36	25.83	191.53	10.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>		
Total M/M	Japan	Field									
217.36	25.83	191.53									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Soil Analysis	11.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
12.EXPENDITURE	<p>Total 867,289 (¥'000)</p> <p>Contracted 823,574</p>	12.technical transfer	<p>1)Trainee: 4 persons; and 2)The result of four years' execution of the project especially agricultural production techniques at sandy area, has been extended to the target area</p>								
		1.PRESENT STATUS	<div> <div>■ In Progress or In Use</div> <div><input type="checkbox"/> Delayed</div> <div><input type="checkbox"/> Discontinued</div> </div> <p>(Description)</p> <p>(1) The farm was transferred to the SAED in May 1990, and is now functioning as one of the SAED Demonstration Farms. Activities are jointly managed by SAED, ISRA and PNVA.</p> <p>ISRA: Comparison of 8 rice varieties and seed multiplication; study of red rice and trials of 8 varieties</p> <p>PNVA: Trials of Vietnamese varieties; variety comparison of maize, sorghum, millet, cowpea, cotton, groundnut, etc.</p> <p>SAED: Demonstration of agricultural machines and farming methods; training of extension workers and key farmers</p> <p>(2) Based on the findings of this project, a Japanese grant financed the small-scale rural development project.</p> <p>(FY1991 Overseas Survey)</p> <p>The following projects have been implemented.</p> <p>1. Increase of agricultural productivity</p> <p>(1) application of an early germinative variety (rice)</p> <p>(2) Test culture of a rainy season variety (Vegetable)</p> <p>(3) 3 to 3.5 tons of ground nuts cultivation as an advance cultivation in the tomato farm</p> <p>2. The control of the cultivated farm</p> <p>(1) The control of the adequate water circulation achieved due to the training of waterway administrators</p> <p>(2) The cultivation operation plan is conducted and applied</p> <p>(3) The efficient operation of equipment</p> <p>3. Problems: Lack of Japanese spare parts</p> <p>4. Notes: 2 JOVC volunteers are working in the SAED</p>								
		2.MAJOR REASONS FOR PRESENT STATUS	<p>The result of the project was highly appreciated by the government.</p>								
		3.PRINCIPAL SOURCE OF INFORMATION	<p>①②</p>								

和名 農業実証調査

{M/P,Basic Study,Other}

PROJECT SUMMARY (Basic Study)

AFR SEN/S 502/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Senegal	1.SITE OR AREA	Western Senegal		1.PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2.NAME OF STUDY	Mapping Project in Western Senegal	2.PROJECT COST	(US\$1,000) Total Cost Local Cost Foreign Cost 1) 2)		
3.SECTOR	Social Infrastructures/Survey & Mapping	3.CONTENTES OF MAJOR PROJECT(S)	(Description) The maps were published and are being used in development projects as shown below. 1) Basic study for the Irrigation Improvement Plan of Northeast Tebi, St. Louis City. (JICA - OCEAN Consultant Agency) 2) The Metalliferous Vein study of the phosphate minerals in the western area of TIVAOUNE. (TRADING FIRM) 3) Prevention of Salt Damages in the Southwestern area of KAOLAK (Study on Field Development) (TRADING FIRM) (FY1992 Overseas Survey) The maps of scale 1:50,000 were in use for the following studies in the national development plan. 1. different phases of the Cavor Canal Project 2. reforestation and forestation 3. studies for tourism development, development studies 4. military manoeuvres for the National Force All of the maps and other information provided by the project are stocked in "The Document Bank".		
4.REFERENCE NO.		1) 1:60,000 aerial photography covering 25,500 sq.km			
5.TYPE OF STUDY	Basic Study	2) 1:50,000 national base maps covering 25,500 sq.km			
6.COUNTERPART AGENCY	Direction des Travaux Géographiques et Cartographiques (DTGC)				
7.OBJECTIVES OF STUDY	To prepare the 1:50,000 base maps covering an area of approximately 25,500 sq.km in Western Senegal.	4.CONDITIONS AND DEVELOPMENT IMPACTS	The Western parts of Senegal located along the coast of the Atlantic Ocean have high potential for development and therefore the region is designated as a priority area in the Seventh National Development Plan. In order to pursue their efforts most efficiency, the National base maps are urgently needed.		
8.DATE OF S/W	Aug.1988	10.STUDY TEAM	2.MAJOR REASONS FOR PRESENT STATUS		
9.CONSULTANT(S)	International Engineering Consultants Association Kokusai Kogyo Co., Ltd.	No.of Members 16 Period Feb.1989-Dec.1991 (22 months)	The national base maps of scale 1:50,000 are prepared for the first time in the Western Senegal.		
		Total M/M Japan Field 156.33 20.39 135.94	3.PRINCIPAL SOURCE OF INFORMATION		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Aerial photography IGN France International	5.technical transfer	Through the execution of the study, transfer of technology has been realized to the DTGC counterparts in the whole aspect of the study.		
12.EXPENDITURE			①②		
	Total 843,376 (¥'000) Contracted 793,708				

和名 西部地域地形図作成

(M/P,Basic Study,Other)

PROJECT SUMMARY (F/S)

AFR SLE/S 301/80

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																	
1.COUNTRY	Sierra Leone	1.SITE OR AREA	Makeni to Kamakui (76.3 km)																		
2.NAME OF STUDY	Mekeni-Kamakwie Road Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>1) 15,858</td> <td>1,395</td> <td></td> </tr> <tr> <td></td> <td>2) 16,889</td> <td>4,684</td> <td></td> </tr> <tr> <td></td> <td>3)</td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 15,858	1,395			2) 16,889	4,684			3)		
	Total Cost	Local Cost	Foreign Cost																		
(US\$1,000)	1) 15,858	1,395																			
	2) 16,889	4,684																			
	3)																				
3.SECTOR	Transportation/Fish Processing	3.CONTENTES OF MAJOR PROJECT(S)	<p>Projects:</p> <p>Local Road (2 lanes, surface dressing)</p> <p>Bridges (normal bridges : pre-tension PC girder bridge)</p> <p>Mabore Bridge : post-tension PC girder bridge)</p> <p>Box Culverts : (Height : 5 to 10 ft., Width : 5 to 13 ft.)</p> <p>Traffic Control Facilities : at 180 points</p> <p>Scale:</p> <p>Design Speed : 80 km/h</p> <p>Section Length : 76.3 km</p> <p>Junctions, Bus Stops, Parking Lane, Road Markings, Signs, Safety Fences</p> <p>Note: Cost 1) is for Plan A as explained below and Cost 2) is for Plan B.</p>																		
4.REFERENCE NO.		7.OBJECTIVES OF STUDY	Road Improvement Project																		
5.TYPE OF STUDY	F/S	8.DATE OF S/W	Mar.1979																		
6.COUNTERPART AGENCY	Ministry of Public Works	9.CONULTANT(S)	Nippon Koei Co., Ltd.																		
		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>			Feasibility:	EIRR1)	FIRR1)	Yes/No	EIRR2)	FIRR2)		EIRR3)	FIRR3)							
Feasibility:	EIRR1)	FIRR1)																			
Yes/No	EIRR2)	FIRR2)																			
	EIRR3)	FIRR3)																			
		10.STUDY TEAM	<p>Conditions and Development Impacts:</p> <p>Plan A : The existing road improved as a Class 1 road under the Sierra Leonean highway standards; all structures such as bridges and culverts to be newly constructed.</p> <p>Plan B : Certain sections improved as Class 2 roads in the first stage and total length of road made Class 1 ten years later (construction in stages) - only Mabore Bridge to be included in the second stage</p> <p>Construction of a two-lane highway will lead to mitigation of regional economic imbalance, slowing down of the influx of population into cities, saving of foreign currency (contribution towards attainment of agriculture self-sufficiency in Sierra Leone) and inducement of possibility for regional economic development in cooperation with neighbouring countries.</p>																		
		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	<p>Topographical survey : A\$ 550,000</p> <p>Geological Survey : A\$ 1,000,000</p>																		
		12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>103,538 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>92,527</td> </tr> </tbody> </table>				103,538 (¥'000)	Total		Contracted	92,527										
	103,538 (¥'000)																				
Total																					
Contracted	92,527																				
		5.technical transfer	<p>1) OJT : Explanation of project planning of roads and bridges in Japan and of the procedure for reception of Japanese aid</p> <p>2) Reception of Trainees : Lectures of road and bridge (public facilities) project</p>																		
		1.PRESENT STATUS	<p>■ Completed or in Progress □ Promoting</p> <p>○ Completed</p> <p>● Partially Completed □ Delayed or Suspended</p> <p>○ Implementing</p> <p>○ Processing □ Discontinued or Cancelled</p>																		
		(Description)	<p>The internal rates of return for the proposed road were in the range of 14.4-15.2%. Other major trunk roads with rates higher than 15% were given priorities, and implemented by the funds from the World Bank and EEC. The proposed road has the next highest priority. The Government wishes to have the review of the F/S and the execution of the detailed design study.</p> <p>(FY1991 Overseas Survey)</p> <p>In June 1989, Japanese grant was given for the provision of road construction equipment(327 million yen).</p>																		
		2.MAJOR REASONS FOR PRESENT STATUS																			
		3.PRINCIPAL SOURCE OF INFORMATION	①③																		

和名 道路建設計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR SLE/A 301/83

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Sierra Leone	1.SITE OR AREA	Northern Gbenti, Western Sierra Leone (60Km from capital, population 7,000, Area 24,000ha)																	
2.NAME OF STUDY	Rhombe Swamp Agricultural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>11,731</td> <td>1,997</td> <td>9,734</td> </tr> <tr> <td>US\$1=2.4Le. in 1983</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	11,731	1,997	9,734	US\$1=2.4Le. in 1983						
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	11,731	1,997	9,734																	
US\$1=2.4Le. in 1983																				
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	<p>The Gbenti North Area (approx. 1,300 ha) was formulated as a first phase development project within 9,300 ha of the swampy area of Rhambe Agricultural Development Project covering 24,000 ha of total area.</p> <p>Irrigation area : 1,300 ha Meter gates : 2 Irrigation pumps : 16 Canal : 13.3 km Syphons : 8 Road : 13km</p>																	
4.REFERENCE NO.		7.OBJECTIVES OF STUDY	To formulate agriculture development plan with introduction of double cropping of paddy.																	
5.TYPE OF STUDY	F/S	8.DATE OF S/W	Jul.1982																	
6.COUNTERPART AGENCY	Ministry of Agriculture and Forestry	9.CONSULTANT(S)	Pacific Consultants International Taiheiyo Consultant Co., Ltd.																	
		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>11.40</th> <th>FIRR1)</th> <th>11.50</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </tbody> </table>			Feasibility:	EIRR1)	11.40	FIRR1)	11.50	Yes/No	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	11.40	FIRR1)	11.50																
Yes/No	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
		10.STUDY TEAM	<p>No.of Members 51 Period Aug.1982-Oct.1983(23 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>39.57</td> <td>12.13</td> <td>27.44</td> </tr> </tbody> </table>			Total M/M	Japan	Field	39.57	12.13	27.44									
Total M/M	Japan	Field																		
39.57	12.13	27.44																		
		11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	(FY 1993 Domestic Survey)																	
		5.technical transfer	<p>- Accept trainees (2) - Provide machinery and instruction on its use, observation of water volume and weather - OJT (survey on water supply, irrigation, drainage, soil, topography)</p>																	
12.EXPENDITURE		2.MAJOR REASONS FOR PRESENT STATUS																		
Total	205,225 (¥'000)	3.PRINCIPAL SOURCE OF INFORMATION	①③																	
Contracted	159,812																			

和名 ロンベ沼沢地農業開発計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR SWZ/S 301/80

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																
1.COUNTRY	Swaziland	1.SITE OR AREA	Sikupe 75 km north of national capital																	
2.NAME OF STUDY	New International Airport Construction Project	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>28,332</td> <td>8,630</td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	28,332	8,630								
	Total Cost	Local Cost	Foreign Cost																	
(US\$1,000)	28,332	8,630																		
3.SECTOR	Transportation/Air Transportaion & Airport	3.CONTENTIS OF MAJOR PROJECT(S)	<p>(Description)</p> <p>10 years of blank after the suspension of the project seems to have decreased the value of the study findings.</p>																	
4.REFERENCE NO.		Contents																		
5.TYPE OF STUDY	F/S	Facility size/quantity																		
6.COUNTERPART AGENCY	Civil Aviation Branch, Ministry of Works, Power and Communications	Runway 2,450 m x 45 m																		
7.OBJECTIVES OF STUDY	To examine technical, economic and financial feasibility of airport development	Apron 24,000 sq.m																		
8.DATE OF S/W	Jul.1979	Imp. Period:	Jan.1981-Dec.1995																	
9.CONSULTANT(S)	Japan Airport Consultants, Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <tr> <td>Feasibility:</td> <td>EIRR1)</td> <td>17.40</td> <td>FIRR1)</td> <td>1.40</td> </tr> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> <td></td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> <td></td> </tr> </table>			Feasibility:	EIRR1)	17.40	FIRR1)	1.40	Yes/No	EIRR2)		FIRR2)			EIRR3)		FIRR3)	
Feasibility:	EIRR1)	17.40	FIRR1)	1.40																
Yes/No	EIRR2)		FIRR2)																	
	EIRR3)		FIRR3)																	
10.STUDY TEAM	<p>No.of Members 11</p> <p>Period Oct.1979-Mar.1980(5 months)</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>26.24</td> <td>20.17</td> <td>6.07</td> </tr> </table>	Total M/M	Japan	Field	26.24	20.17	6.07	<p>Conditions and Development Impacts:</p> <p>Premises: 1) Ultimately targetted for the year 2005;</p> <p>2) Forecast demand of 303,000/895,000 passengers and 821/1,643 cargo tonnage in the year 1995/2005 for Phase I/II;</p> <p>3) Due to difficulty in expanding existing airport, new airport is to be constructed at a new site.</p> <p>Effects: 1) Enhance aircraft operation;</p> <p>2) Increase in foreign exchange earning;</p> <p>3) Increase in employment opportunities.</p>												
Total M/M	Japan	Field																		
26.24	20.17	6.07																		
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	<p>OUT : Familiarized counterpart officials with economic analysis procedures.</p>																	
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>76,637 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>64,343</td> </tr> </table>	Total	76,637 (¥'000)	Contracted	64,343	<p>2.MAJOR REASONS FOR PRESENT STATUS</p>														
Total	76,637 (¥'000)																			
Contracted	64,343																			
		<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①</p>																		

和名 新国際空港建設計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

AFR TZA/S 101/76

Compiled Mar.1986
Revised Dec.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS		
1.COUNTRY	Tanzania	1.SITE OR AREA	the distance between Lake Natron (150km northwest of Arusha) and Port Tanga		1.PRESENT STATUS	
2.NAME OF STUDY	Natural Soda Development in Lake Natron and Related Transportation Facilities	2.PROJECT COST	<div style="display: flex; justify-content: space-between;"> <div>(US\$1,000)</div> <div> 1) 318,600 2) </div> <div>Total Cost Local Cost Foreign Cost</div> </div>		<input type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input checked="" type="checkbox"/> Discontinued	
3.SECTOR	Transportation/Fisheries	3.CONTENTES OF MAJOR PROJECT(S)	(Description) The study was submitted as a pre-feasibility study, with given uncertainty over market prospects, the production target and price setting. The annual world demand for natural soda at the time of the study was about 25 million tons, of which approximately 2.5 million tons were internationally traded. It was considered difficult for Tanzania to develop marketing outlets for its originally planned output of 1 million tons. Subsequently, the Government of Tanzania decided to scale down the natural soda development project on the basis of the F/S undertaken by UNIDO, and established a factory (annual output of 1,000 - 1,500 tons for domestic use) with their fund (50 million shillings). (FY1991 Overseas Survey) State Mining Corporation (STAMICO) had planned to start a small-scale plant to produce about 30,000 t/year of soda ash, but the plan has failed owing to the lack of funds. African Development Bank is financing a new techno-economic study of the project of soda ash production and construction of a caustic soda plant. A French company has been contracted to carry out the study.			
4.REFERENCE NO.		Major projects proposed for the development of natural soda around Lake Natron - Construction of a soda refinery(capacity 1 mill. ton/year) - Development of Tanga Port - Construction of silos - Improvement of existing railway lines - Construction of a new road between a refinery and Arusha - Purchase of locomotives, wagons and 30-ton semi-trailer trucks				
5.TYPE OF STUDY	M/P					
6.COUNTERPART AGENCY	Ministry of Water Resources and Energy					
7.OBJECTIVES OF STUDY	Reexamination of natural soda development and identification of transportation alternatives					
8.DATE OF S/W	.0	4.CONDITIONS AND DEVELOPMENT IMPACTS	Development of natural soda around Lake Natron will enable the export of refined natural soda, improving the balance of payment situations. The development of a transport corridor connecting Arusha, Kilimanjaro and Tanga will stimulate regional development. [Conditions] (1) In order to secure the feasibility of the project, to keep the productive level around a million ton/year, and to secure an export market. (2) To make full use of existing harbor and railway facilities, and to make a new road link between Lake Natron and Arusha. (3) To provide low interest rate capital (less than 8 - 9% per year) [Impacts] (1) Export of refined natural soda of a million ton/year will enable to get gross foreign currency revenue US\$ 80 million Net revenue is estimated US\$ 14 million per year, taking into account the foreign currency expenses.) (2) The trade structure could be diversified from full dependence on agricultural products, which will expand and stabilize the export. (3) Contribute to the development of regional economy along Arusha-Kilimanjaro-Tanga routes (4) New technologies would be introduced and diffused through the implementation of projects. (FY 1993 Domestic Survey)			
9.CONSULTANT(S)	International Development Center of Japan	10.STUDY TEAM	2.MAJOR REASONS FOR PRESENT STATUS			
		No.of Members 22 Period Jul.1976-Aug.1976(1 months) <div style="display: flex; justify-content: space-around;"> <div>Total M/M 45.00</div> <div>Japan 45.00</div> <div>Field</div> </div>	(FY1991 Overseas Survey) Heavy investment costs and uncertain export prospects			
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION			
		On-the-job training for counterparts	①②			
12.EXPENDITURE						
	Total 88,439 (¥000) Contracted 53,634					

和名 ナトロン湖天然ソーダ灰開発計画及び関連輸送施設調査

(M/P,Basic Study,Other)

PROJECT SUMMARY (M/P)

AFR TZA/S 102/77

Compiled Mar.1992
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS													
1.COUNTRY	Tanzania	1.SITE OR AREA	Whole Kilimanjaro region (13,209 sq. km)		1.PRESENT STATUS												
2.NAME OF STUDY	Kilimanjaro Region Integrated Development Plan	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1)</td> <td>81,805</td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td>129,163</td> <td></td> <td></td> </tr> </tbody> </table>		(US\$1,000)	Total Cost	Local Cost	Foreign Cost	1)	81,805			2)	129,163			<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
(US\$1,000)	Total Cost	Local Cost	Foreign Cost														
1)	81,805																
2)	129,163																
3.SECTOR	Development Plan/Sericulture	3.CONTENTS OF MAJOR PROJECT(S)	(Description) 1. Sep.1978 - Mar.1986 Technical assistance (Kilimanjaro Agriculture Development Center Project and Kilimanjaro Small-and-Middle scale Industry Development Project) and the D/D study (Japanese grant of 2 billion yen) 2. Lower Moshi Agricultural Development Project Mar.1979 - Sep.1980: F/S completed by JICA Jun. 1982: OECF L/A signed (3.3 billion yen) Jul.1982 - Apr.1984: D/D completed 3. Electricity distribution network in Kilimanjaro area Jan. - Sep. 1979: F/S completed Oct., 1981: OECF L/A signed (1.6 billion yen) 4. Mkomazi Valley Area Irrigation Development Project Jun.1982 - Jan.1984: F/S completed by JICA Dec.1986 - Apr.1987: Basic Design completed by Japanese grant Jan.1988 - Mar.1990: Construction completed by Japanese grant (1.8 billion yen) 5. Forestry Development Dec.1986 - Aug.1988 JICA study on the semi arid forest forest management plan completed														
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	This plan will contribute to the provision of those functions that will be initially necessary in order to proceed industrialization step by step. Development Impacts 1. Provision of a basis for comprehensive rural development of Kilimanjaro region. 2. More efficient use of limited water resources 3. Boosting industrial activities in the region 4. Increased earning of foreign exchange 5. Provision of production infrastructure 6. Improvement of community life														
5.TYPE OF STUDY	M/P	5.technical transfer															
6.COUNTERPART AGENCY		6.improvement of community life															
7.OBJECTIVES OF STUDY	Formulation of the Kilimanjaro Region Integrated Development Plan as a part of the country's third-5 Year Plan (1976-80)	7.improvement of community life															
8.DATE OF S/W	.0	8.improvement of community life															
9.CONSULTANT(S)	Yachiyo Engineering Co., Ltd.	9.improvement of community life															
10.STUDY TEAM	No.of Members 32 Period Nov.1976-Oct.1977(11 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field				2.MAJOR REASONS FOR PRESENT STATUS									
Total M/M	Japan	Field															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td>92,705 (¥'000)</td> <td></td> </tr> </tbody> </table>	Total	Contracted	92,705 (¥'000)		④											
Total	Contracted																
92,705 (¥'000)																	

和名 キリマンジャロ地域総合開発計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR TZA/S 301/77

Compiled Mar.1986
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																						
1.COUNTRY	Tanzania	1.SITE OR AREA	Road with 330km long from Kibiti adjacent to Dar es Salaam to Lindi in the Southern area of Tanzania																							
2.NAME OF STUDY	Southern Coastal Link Road Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>26,324</td> <td>13,288</td> <td>13,036</td> </tr> <tr> <td>US\$1=22.8sh</td> <td>24,897</td> <td>12,450</td> <td>12,447</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	26,324	13,288	13,036	US\$1=22.8sh	24,897	12,450	12,447									
	Total Cost	Local Cost	Foreign Cost																							
(US\$1,000)	26,324	13,288	13,036																							
US\$1=22.8sh	24,897	12,450	12,447																							
3.SECTOR	Transportation/Fish Processing	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>The study examined the road between Kibiti and Lindi (excluding the length covered by the Rufiji Bridge Construction Project) and its feeder road from Nanqurukuru to Kilwa Masoko. The road was divided into the following five sections.</p> <table border="1"> <thead> <tr> <th></th> <th>Road (km)</th> <th>Bridge (m)</th> </tr> </thead> <tbody> <tr> <td>No.1 Kibiti - Nyamwage</td> <td>36</td> <td>34</td> </tr> <tr> <td>No.2 Nyamwage - Nanqurukuru</td> <td>100</td> <td>1,187</td> </tr> <tr> <td>No.3 Nanqurukuru - Kiranjerange</td> <td>86</td> <td>491</td> </tr> <tr> <td>No.4 Kiranjerange - Lindi</td> <td>75</td> <td>697</td> </tr> <tr> <td>No.5 Nanqurukuru - Kilwa Masoko</td> <td>30</td> <td>20</td> </tr> <tr> <td>Total</td> <td>327</td> <td>2,429</td> </tr> </tbody> </table> <p>The width of road is standardized as carriageway of 6.5m and shoulder of 1.2m - 1.8m. New bridges with two lanes are proposed for all bridge sites. Two alternatives of road pavement are considered. Alternative A is to construct two-lane gravel road in the beginning, which will be paved after 10 years (Cost 1) shown above). Alternative B is to construct two-lane paved road from the beginning (Cost 2) shown above).</p>				Road (km)	Bridge (m)	No.1 Kibiti - Nyamwage	36	34	No.2 Nyamwage - Nanqurukuru	100	1,187	No.3 Nanqurukuru - Kiranjerange	86	491	No.4 Kiranjerange - Lindi	75	697	No.5 Nanqurukuru - Kilwa Masoko	30	20	Total	327	2,429
	Road (km)	Bridge (m)																								
No.1 Kibiti - Nyamwage	36	34																								
No.2 Nyamwage - Nanqurukuru	100	1,187																								
No.3 Nanqurukuru - Kiranjerange	86	491																								
No.4 Kiranjerange - Lindi	75	697																								
No.5 Nanqurukuru - Kilwa Masoko	30	20																								
Total	327	2,429																								
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>6.99</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td>9.55</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>6.32</td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts: Conditions: 1. Construction of Rufiji River Bridge will precede the proposed road construction. 2. Project life of 30 years 3. Future traffic is estimated for Case 1 (annual growth of 5%) and Case 2 (7%). For Alt. A and Case 1, the traffic is highest in No.1 Section (192 vehicles/day in 1982 and 694 vehicles in 2012) and lowest in No.5 Section (59 vehicles/day in 1982 and 213 vehicles in 2012). 4. EIRR 1) above is for Alt. A/Case 1, EIRR 2) for Alt. A/Case 2, and EIRR 3) for Alt. B/Case 1. Development impacts: 1) Ease of mobility, 2) reduction of travel cost, 3) reduction of travel time, 4) closer integration of the southern region with Dar es Salaam, 5) stimulation of regional development, agriculture and forestry, and 6) stability of socio-cultural life. The development of the hitherto relatively isolated southern region will give a spurt to the national economic development of Tanzania.</p>			Feasibility:	EIRR1)	6.99	FIRR1)	Yes	EIRR2)	9.55	FIRR2)		EIRR3)	6.32	FIRR3)									
Feasibility:	EIRR1)	6.99	FIRR1)																							
Yes	EIRR2)	9.55	FIRR2)																							
	EIRR3)	6.32	FIRR3)																							
5.TYPE OF STUDY	F/S	5.technical transfer	<table border="1"> <tbody> <tr> <td>1) OJT</td> <td></td> </tr> <tr> <td>2) Counter Part training</td> <td></td> </tr> </tbody> </table>			1) OJT		2) Counter Part training																		
1) OJT																										
2) Counter Part training																										
6.COUNTERPART AGENCY	Ministry of Works	6.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							
7.OBJECTIVES OF STUDY	To examine both economic and technical feasibility of the project for constructing the existing Southern Coastal Link Road into an all-weather road	7.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							
8.DATE OF S/W	Sep.1975	8.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							
9.CONSULTANT(S)	Japan Overseas Consultants Co., Ltd. Fukuyama Consultants International, Inc.	9.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							
10.STUDY TEAM	No. of Members 26 Period Aug.1975-Sep.1977 (25 months) Total M/M Japan Field	10.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		11.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							
12.EXPENDITURE	Total 310,652 (¥'000) Contracted 284,722	12.PRINCIPAL SOURCE OF INFORMATION	<p>124</p>																							

和名 南部沿岸道路建設計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR TZA/S 302/78

Compiled Mar.1986
Revised Dec.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF STUDIED PROJECT							
1.COUNTRY	Tanzania	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	Purchasing of an Additional Passenger - Cum - Cargo Vessel for Tanzania Coastal Shipping Line	Southern coast from Dar es Salam to Mtwara											
3.SECTOR	Transportation/Marine Transportation & Ships	2.PROJECT COST				(Description) In June 1979, the OECF loan (1,700 million yen) was pledged for the proposed project. Subsequently, the Government of Tanzania changed its policy, and decided to buy a freighter and a tanker plying between Dar es Salam and Zanzibar with the loan. Therefore, the project was judged discontinued. (FY1991 Overseas Survey) The project was never implemented owing to the lack of finance.							
4.REFERENCE NO.		(US\$1,000) 1) Total Cost Local Cost Foreign Cost US\$1=194.6yen 2) 4,959 4,959 3)											
5.TYPE OF STUDY	F/S	3.CONTENTS OF MAJOR PROJECT(S)											
6.COUNTERPART AGENCY	National Transport Corporation, Ministry of Communication and transportation	Construction of one freight carrier - 1,000 DWT - 67.5m in length - 15 knots - Freight capacity: 410 tons - Passenger capacity: 400 persons											
7.OBJECTIVES OF STUDY	Improvement of domestic transportation												
8.DATE OF S/W	.0	Imp. Period:											
9.CONSULTANT(S)	The Shipbuilding Research Centre of Japan	4.FEASIBILITY AND ITS ASSUMPTIONS		Feasibility: EIRR1) 12.33 FIRR1) 3.09 Yes/No EIRR2) FIRR2) EIRR3) FIRR3)									
10.STUDY TEAM	No.of Members 9 Period May.1978-Feb.1979(9 months) <table border="1"> <tr> <td>Total M/M</td> <td>Japan</td> <td>Field</td> </tr> <tr> <td>5.36</td> <td>4.63</td> <td>0.73</td> </tr> </table>	Total M/M	Japan	Field	5.36	4.63	0.73	Conditions and Development Impacts: Conditions: - Project life of 20 years - Transport fares to be raised 20% every four years - Estimated gross revenue 1.49 million Sh. and gross expenditure 0.98 million Sh. Development Impacts: Improvement of the transportation capacity along the southern coast (FY 1993 Domestic Survey)					
Total M/M	Japan	Field											
5.36	4.63	0.73											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER				2.MAJOR REASONS FOR PRESENT STATUS							
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>25,830 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>7,372</td> </tr> </table>	Total	25,830 (¥'000)	Contracted	7,372	OUT				Change of priority 3.PRINCIPAL SOURCE OF INFORMATION ①②			
Total	25,830 (¥'000)												
Contracted	7,372												

和名 貨客船建造計画

{F/S,D/D}

PROJECT SUMMARY (M/P)

AFR TZA/S 103/80

Compiled Mar. 1986
Revised Dec. 1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS	
1.COUNTRY	Tanzania	1.SITE OR AREA	The area designated for a national park (1,613 sq.m), Mgambo, Kigoma province	1.PRESENT STATUS	<input type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input checked="" type="checkbox"/> Discontinued
2.NAME OF STUDY	Proposed Mahale Mountains National Park	2.PROJECT COST	Total Cost Local Cost Foreign Cost (US\$1,000) 1) 4,030 2) US\$1=225yen	(Description)	
3.SECTOR	Tourism/(Tourism in)General	3.CONTENTES OF MAJOR PROJECT(S)	1) Facilities for park operation: 7 locations 2) Traffic routes: 3 routes on the lake 4 routes on the land surface 3) Communication: 3 systems 4) Kigoma headquarters 5) Local base at Birenge	The proposals of the study were partly incorporated into the 3rd Five Year Development Plan (1977 - 81), and the studied area was made the 11th national park. However, the implementation of the proposed projects has been slower than envisaged. The Government of Tanzania applied for Japanese grant aid but was not successful. (FY1991 Overseas Survey) Mahale was gazetted as a full National Park in 1980, but the Mahale Master Plan has never been implemented.	
4.REFERENCE NO.					
5.TYPE OF STUDY	M/P				
6.COUNTERPART AGENCY	Wild Life Dept., Ministry of Natural Resources and Tourism				
7.OBJECTIVES OF STUDY	Formulation of the national park development for the environmental protection				
8.DATE OF S/W	Jul.1978				
9.CONULTANT(S)	JCP Co., Ltd.	4.CONDITIONS AND DEVELOPMENT IMPACTS	Development Impacts: 1) Establishment of the 11th national park 2) Protection of wild life and environment and surveillance on poaching 3) Tourism promotion		
10.STUDY TEAM	No.of Members 8 Period Aug.1979-May.1980(9 months)				
	Total M/M Japan Field 11.20 4.93 6.27				
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY				2.MAJOR REASONS FOR PRESENT STATUS	
12.EXPENDITURE	Total 45,968 (¥'000) Contracted 17,530	5.TECHNICAL TRANSFER	JICA sent 4 ecologists to the local institute to work on ecological survey of chimpanzees.	3.PRINCIPAL SOURCE OF INFORMATION ①②	

和名 マハレ自然保護国立公園計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR TZA/A 301/80

Compiled Mar.1990
Revised Dec.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																									
1.COUNTRY	Tanzania	1.SITE OR AREA	Moshi Area of Kilimanjaro Region (Investigated Area 42,000ha, population 44,000 as of 1979)																																										
2.NAME OF STUDY	Lower-Moshi Agricultural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>77,346</td> <td>31,436</td> <td>45,910</td> </tr> <tr> <td>US\$1=8.18T.Shs.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	77,346	31,436	45,910	US\$1=8.18T.Shs.																															
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3.SECTOR	Agriculture/General	3.CONTENT(S) OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Scheme</th> <th>Rau</th> <th>Miwaleni</th> <th>Himo</th> <th>Groundwater</th> </tr> </thead> <tbody> <tr> <td>Irrig. area</td> <td>2,300ha</td> <td>2,000ha</td> <td>1,000ha</td> <td>1,020ha</td> </tr> <tr> <td>Intake</td> <td>4 weirs</td> <td>1 pump st.</td> <td>2 weirs</td> <td>20 tubewells</td> </tr> <tr> <td>Main canals</td> <td>11.03km</td> <td>11.9km</td> <td>9.27km</td> <td>-</td> </tr> <tr> <td>Second. canals</td> <td>19.13km</td> <td>19.2km</td> <td>12.6km</td> <td>-</td> </tr> <tr> <td>Drainage canals</td> <td>43.15km</td> <td>18.2km</td> <td>8.8km</td> <td>-</td> </tr> <tr> <td>Roads</td> <td>39.9km</td> <td>33.5km</td> <td>20.0km</td> <td>7.1km</td> </tr> <tr> <td>Floodway embankment</td> <td>3m X 2.7km</td> <td>5.7km</td> <td>-</td> <td>16.1km (floodway)</td> </tr> </tbody> </table>			Scheme	Rau	Miwaleni	Himo	Groundwater	Irrig. area	2,300ha	2,000ha	1,000ha	1,020ha	Intake	4 weirs	1 pump st.	2 weirs	20 tubewells	Main canals	11.03km	11.9km	9.27km	-	Second. canals	19.13km	19.2km	12.6km	-	Drainage canals	43.15km	18.2km	8.8km	-	Roads	39.9km	33.5km	20.0km	7.1km	Floodway embankment	3m X 2.7km	5.7km	-	16.1km (floodway)
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4.REFERENCE NO.		<p>(Description)</p> <p>1.The first priority project of Rau Scheme was completed as "Lower Moshi Agricultural Development Project". Jun.1982 L/A OECF Loan (3.3 billion yen) Jul.1982 - Apr.1983 Detailed Design by Nippon Koei Co.,Ltd. Jul.1984 - Apr.1987 Construction(Contractor:Kounoikequai Consultant:Nippon Koei Co.,Ltd.</p> <p>2.The second priority project of Miwaleni Scheme was requested in 1989 for a Japanese grant, but was not approved.</p> <p>(FY1991 Overseas Survey) The first priority project of Rau Scheme was implemented. Japanese finance is being awaited for other schemes. Miwaleni Irrigation Project is considered high priority because its implementation could supplement acute water shortage for Lower Moshi Irrigation Project.</p>																																											
5.TYPE OF STUDY	F/S																																												
6.COUNTERPART AGENCY	Regional Development Directorate, Kilimanjaro																																												
7.OBJECTIVES OF STUDY	F/S																																												
8.DATE OF S/W	Dec.1979	Imp. Period:	Jul.1981-Feb.1988																																										
9.CONSULTANT(S)	Nippon Koei Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>12.10</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts: Conditions: Economic benefits consist of direct benefits from increased crop production by irrigation development and flood control. Although the project will help improve livestock production, its benefit is excluded from economic evaluation. Flood control facilities are designed with a 20-year flood probability. Expected production of major crops(ton): <table border="1"> <thead> <tr> <th></th> <th>Maize</th> <th>Paddy</th> <th>Beans</th> <th>Oil seeds</th> <th>Cotton</th> <th>Vegetables</th> </tr> </thead> <tbody> <tr> <td>Without project</td> <td>20,740</td> <td>980</td> <td>490</td> <td>Little</td> <td>610</td> <td>1,000</td> </tr> <tr> <td>With project</td> <td>16,340</td> <td>19,170</td> <td>850</td> <td>3,430</td> <td>900</td> <td>1,650</td> </tr> </tbody> </table> Development Impacts: Increased crop production, improved farmers' income and living standards, activation and stabilization of rural economy, creation of employment, etc. * EIRR 1)above is for the entire schemes. EIRRs for the individual schemes are as follows. Rau 15.3%, Miwaleni 12.4%, Himo 9.8%, Groundwater 8.1%.</p>			Feasibility:	EIRR1)	12.10	FIRR1)	Yes	EIRR2)		FIRR2)		EIRR3)		FIRR3)		Maize	Paddy	Beans	Oil seeds	Cotton	Vegetables	Without project	20,740	980	490	Little	610	1,000	With project	16,340	19,170	850	3,430	900	1,650							
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10.STUDY TEAM	<p>No. of Members 18</p> <p>Period Dec.1979-Oct.1980(11 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>36.33</td> <td></td> <td>36.33</td> </tr> </tbody> </table>	Total M/M	Japan	Field	36.33		36.33																																						
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		3.PRINCIPAL SOURCE OF INFORMATION																																											
		①②③																																											

和名 ローアモシ農業開発計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR TZA/A 302/83

Compiled Mar.1990
Revised Dec.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																											
1.COUNTRY	Tanzania	1.SITE OR AREA	Mkomazi Valley of Kilimanjaro Region (Investigated Area 190,000ha, population 90,000 as of 1982)																																												
2.NAME OF STUDY	Mkomazi Valley Area Irrigation Development Project	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>61,200</td> <td>23,500</td> <td>37,700</td> </tr> <tr> <td>US\$1=12T.Shs</td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	61,200	23,500	37,700	US\$1=12T.Shs																																	
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4.REFERENCE NO.		<p>* Implementation period is 69 months.</p>																																													
5.TYPE OF STUDY	F/S																																														
6.COUNTERPART AGENCY	Regional Development Directorate, Kilimanjaro																																														
7.OBJECTIVES OF STUDY	F/S	<p>1.PRESENT STATUS</p> <p> <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 </p> <p>(Description)</p> <p>The Ndunqu Area Project was completed by a Japanese grant (1.8 billion Yen) Dec.1986 - Apr.1987 Basic Design by Nippon Koei Co.,Ltd. Feb.1987 Stage 1 E/S (781 million Yen) Aug.1988 Stage 2 E/S (944 million Yen) Jan.1988 - Mar.1990 Construction (Contractor:Kounoikequai Consultant:Nippon Koei Co.,Ltd.)</p> <p>(FY1991 Overseas Survey) The first priority was given to the Ndunqu Scheme as a model for other schemes. But finance has not been available for the other schemes.</p>																																													
8.DATE OF S/W	Feb.1982	<p>Imp. Period:</p> <table border="1"> <tr> <td>4.FEASIBILITY AND ITS ASSUMPTIONS</td> <td>Feasibility: Yes</td> <td>EIRR1) 19.00</td> <td>FIRR1)</td> </tr> <tr> <td></td> <td></td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </table> <p>Conditions and Development Impacts:</p> <p>Conditions: Agricultural benefit which was estimated as difference of crop production value, flood prevention benefit and benefit of water release for potable water from the Iqoma Dam is counted in evaluation.</p> <p>Development Impacts: To increase crop production, To increase employment opportunity, To improve transportation sytem, To improve sanitary condition, To promote migration from densely populated high lands.</p> <p>* EIRR for project components range from 21.6 - 12.1%, and EIRR for the entire project is 19.0% as shown above.</p>				4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 19.00	FIRR1)			EIRR2)	FIRR2)			EIRR3)	FIRR3)																														
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9.CONSULTANT(S)	Nippon Koei Co., Ltd. Kokusai Kogyo Co., Ltd. Naigai Engineering Co., Ltd.	<p>10.STUDY TEAM</p> <p>No.of Members 13</p> <p>Period Jun.1982-Mar.1983 (26 months) Oct.1982-Jan.1984</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>74.51</td> <td>29.58</td> <td>44.93</td> </tr> </table>				Total M/M	Japan	Field	74.51	29.58	44.93																																				
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11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		<p>2.MAJOR REASONS FOR PRESENT STATUS</p>																																													
12.EXPENDITURE	<table border="1"> <tr> <td>Total</td> <td>346,470 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td>299,761</td> </tr> </table>	Total	346,470 (¥'000)	Contracted	299,761	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>①②</p>																																									
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Contracted	299,761																																														

和名 ムコマジバレイ農業用水開発計画

{F/S,D/D}

PROJECT SUMMARY (Other)

AFR TZA/A 601/88

Compiled Mar.1990
Revised Dec.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS							
1.COUNTRY	Tanzania	1.SITE OR AREA	Moshi area in Same District, Kilimanjaro Region (200,000ha)								
2.NAME OF STUDY	Expanded Afforestation Work in the Same District of Kilimanjaro Region	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div> <div>1)</div> <div>2)</div> </div> <div>Total Cost Local Cost Foreign Cost</div> </div>								
3.SECTOR	Forestry/General	3.CONTENTS OF MAJOR PROJECT(S)	<p>1.A 200,000 ha of the Study Area was set up in the above mentioned area and suitable sites were classified for social forestry development plans in the Study area.</p> <p>2.A 20,000 ha of the Model Area was set up around Moshi in the study area. Semi-arid Forest Management Plan was formulated for the Model Area.</p> <p>* Costs are not estimated.</p>								
4.REFERENCE NO.		4.CONDITIONS AND DEVELOPMENT IMPACTS	<p>In recent years excessive felling of fuelwood and over grazing as well as irregular climatic changes have drastically reduced the forest area and deteriorated forest productivity and environment conservation functions.</p> <p>These situations will be checked effectively when social forestry development plans and semi-arid forest management plan will be put forward.</p> <p>And the promotion of these plans will contribute to the regional socio-economic development such as enlarged employments.</p>								
5.TYPE OF STUDY	Other	5.technical transfer	<p>1) training of the counterparts; 2) OJT through field surveys; 3) OJT on aerial-photo interpretation and transfer of its results onto the topographic maps; 4) joint formulation of the plans</p>								
6.COUNTERPART AGENCY	Ministry of Natural Resources and Tourism	6.PRINCIPAL SOURCE OF INFORMATION	①②								
7.OBJECTIVES OF STUDY	This study was implemented to prepare the semi-arid forest management plan by Social Forestry to contribute to the promotion of forestry policy and economic development of local community in Tanzania.	7.PRINCIPAL SOURCE OF INFORMATION	①②								
8.DATE OF S/W	Aug.1986	8.PRINCIPAL SOURCE OF INFORMATION	①②								
9.CONSULTANT(S)	Japan Forest Technical Association	9.PRINCIPAL SOURCE OF INFORMATION	①②								
10.STUDY TEAM	<p>No.of Members 16</p> <p>Period Dec.1986-Aug.1988 (21 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>76.00</td> <td>38.00</td> <td>38.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	76.00	38.00	38.00	10.PRINCIPAL SOURCE OF INFORMATION	①②		
Total M/M	Japan	Field									
76.00	38.00	38.00									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Aerial Photography	11.PRINCIPAL SOURCE OF INFORMATION	①②								
12.EXPENDITURE	<p>Total 345,192 (¥'000)</p> <p>Contracted 311,037</p>	12.PRINCIPAL SOURCE OF INFORMATION	①②								

和名 キリマンジャロ林業開発計画

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR TZA/S 303/90

Compiled Mar.1992
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT									
1.COUNTRY	Tanzania	1.SITE OR AREA	Dar es Salaam City area										
2.NAME OF STUDY	Road Improvement and Maintenance in Dar es Salaam	2.PROJECT COST	<table border="1"> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> <tr> <td>(US\$1,000)</td> <td>31,700</td> <td>11,300</td> <td>20,400</td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	31,700	11,300	20,400
	Total Cost	Local Cost	Foreign Cost										
(US\$1,000)	31,700	11,300	20,400										
3.SECTOR	Transportation/Fish Processing	3.CONTENTES OF MAJOR PROJECT(S)	<p>1) Category A (Road Improvement) Cost (mil. US\$)</p> <p>A-1: Widening of Bagamoyo Road (9.8km) 6.2</p> <p>A-2: Widening of Morogoro Road (5.9km) 5.6</p> <p>A-3: Changombe Area Roads (19.2km) 3.5</p> <p>A-4: Kariakoo Area Roads (31.0km) 6.3</p> <p>A-5: Mwinjuma Area Roads (16.9km) 3.1</p> <p>A-6: Central Area Roads (20.0km) 3.1</p> <p>2) Category B (Urgent Repairs of Potholes) 1.3</p> <p>3) Category C (Establishment of New Main Depot and Procurement of Equipment) 1.9</p> <p>4) Detailed Design/Tendering 0.7</p> <p>total 31.7</p>										
4.REFERENCE NO.		<p>(Description)</p> <p>The implementation of the priority project recommended in the short-term plan of the Master Plan was authorized by the Tanzanian Government and requested to the Japanese Government.</p> <p>- B/D Study was completed in March, 1991.</p> <p>- A grant up to 896 million Yen was mutually agreed with Tanzanian and Japanese Governments for the implementation of Phase I Project in July 1991.</p> <p>- Consultant Services for Phase I started in July 1991 and Construction Work started in December 1991. All the Work and Services for Phase I were completed in December 1992 successively.</p> <p>- A Japanese grant aid for Phase II up to 987 million yen was agreed in June 1992.</p> <p>- Consultant Services and Construction Work started in June 1992 and December 1992 respectively and those are now in process.</p> <p>(FY1991 Overseas Survey)</p> <p>Phase I of the planned 4 phases is being implemented with Japanese grant aid (769.5 million yen) and own fund (395.95 million Tsh).</p>											
5.TYPE OF STUDY	F/S												
6.COUNTERPART AGENCY	Dar es Salaam City Council (DCC) Ministry of Works (MOW)												
7.OBJECTIVES OF STUDY	<ul style="list-style-type: none"> - Master Plan Study of Road Improvement - Feasibility Study for High Priority Projects - Establishment of Maintenance System 												
8.DATE OF S/W	Oct.1988	Imp. Period:	1990-1994										
9.CONSULTANT(S)	Japan Engineering Consultants Co., Ltd. Nippon Koei Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 25.10 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)								
10.STUDY TEAM	<p>No.of Members 11</p> <p>Period Mar.1989-Jul.1990(13 months)</p> <table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>57.90</td> <td>25.00</td> <td>32.90</td> </tr> </table>	Total M/M	Japan	Field	57.90	25.00	32.90	<p>Conditions and Development Impacts:</p> <p>1. Conditions: 5% of annual population growth rate, 4% of GDP growth rate and 4.3% of annual traffic growth rate were adapted.</p> <p>2. 15 years of project life was assumed.</p> <p>3. The Direct Benefit consisted with Vehicle Operation Cost (VOC) saving and Time Cost saving was estimated with desirable indicator of 25.1% of EIRR.</p>					
Total M/M	Japan	Field											
57.90	25.00	32.90											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS											
12.EXPENDITURE	<p>Total 214,868 (¥'000)</p> <p>Contracted 195,893</p>	<p>The Tanzanian Government decided to implement the rehabilitation and strengthening of the city roads as no.1 priority project.</p>											
		5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION										
		On-the-job training was done to five counterpart engineers of DCC and MOW.	①②										

和名 ダルエスサラーム市道路整備計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR TZA/A 303/90

Compiled Mar.1992
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1.COUNTRY	Tanzania	1.SITE OR AREA	Kilimanjaro Region																						
2.NAME OF STUDY	Lower Hai and Lower Rombo Agricultural Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th>(US\$1,000)</th> <th>1)</th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td></td> <td>1)</td> <td>15,100</td> <td>3,000</td> <td>12,100</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> </tbody> </table>			(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost		1)	15,100	3,000	12,100		2)					3)			
(US\$1,000)	1)	Total Cost	Local Cost	Foreign Cost																					
	1)	15,100	3,000	12,100																					
	2)																								
	3)																								
3.SECTOR	Agriculture/General	3.CONTENTES OF MAJOR PROJECT(S)	-Development area: 1,550ha. -Irrigation & Drainage Facilities: Boloti Dam, Lawati Weir, Sanya Chini Weir, Tabe Well. -Procurement of O/M Equipment. -Institution & Organization.																						
4.REFERENCE NO.		(Description) (FY1991 Overseas Survey) The grant aid request was submitted to the Japanese Embassy in March 1991, but so far not approved. (FY1992 Overseas Survey) Waiting for the answer.																							
5.TYPE OF STUDY	F/S																								
6.COUNTERPART AGENCY	Regional Development Director, Kilimanjaro Region																								
7.OBJECTIVES OF STUDY	1)To assess the availability of groundwater and surface water resources for agricultural development. 2)To identify subareas with high agricultural development potential. 3)To formulate agricultural development plan for																								
8.DATE OF S/W	Feb.1988	Imp. Period:																							
9.CONSULTANT(S)	Nippon Koei Co., Ltd. Kokusai Kogyo Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes	EIRR1) 15.10 EIRR2) EIRR3)	FIRR1) FIRR2) FIRR3)																				
10.STUDY TEAM	No.of Members 8 Period Oct.1988-Nov.1990 (26 months)	Conditions and Development Impacts: Development impacts: 1)Increase in employment opportunities by the construction and the intensive farming, 2)Increase in production of agricultural crops, 3)Increase in farmers' income, 4)Improvement of local transportation by the construction of roads, 5)Secondary direct benefits to millers, merchants, and transporters, 6)Mitigation of floods by the construction of the Boloti dam, 7)Improvement of domestic water supply by tube wells and water supply tanks, 8)Improvement of water supply to cattle grazing by irrigation water supply throughout the year, 9)Introduction of fish farming in the Boloti reservoir, and 10)Demonstration effects of the Project to other projects.																							
Total M/M Japan Field 50.25 14.94 35.31																									
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	157,000 (installation of water level gauge)																								
12.EXPENDITURE	Total 299,911 (¥'000) Contracted 174,416	5.TECHNICAL TRANSFER	-Technology transfer to counterparts in the course of the Study. -JICA training course.																						
		2.MAJOR REASONS FOR PRESENT STATUS (FY 1991 Overseas Survey) The total estimated cost is very large (2,951 million T.sh), and it will take long time to implement the project without external assistance.																							
		3.PRINCIPAL SOURCE OF INFORMATION ①②																							

和名 ハイロンボ農業開発計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR TZA/S 304/91

Compiled Mar.1993
Revised

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Tanzania	1.SITE OR AREA	Area serviced by the water supply system for the city of Dar es Salaam, excluding the areas along the transmission pipelines.														
2.NAME OF STUDY	Rehabilitation of Dar Es Salaam Water Supply	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>38,400</td> <td>10,730</td> <td>27,670</td> </tr> <tr> <td>US\$1=200Tsh=140yen</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	38,400	10,730	27,670	US\$1=200Tsh=140yen			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	38,400	10,730	27,670														
US\$1=200Tsh=140yen																	
3.SECTOR	Public Utilities/Timber Processing	3.CONTENT OF MAJOR PROJECT(S)	<p>1. In-house Activities of National Urban Water Authority (NUWA)</p> <p>1) Meter installation (15,000 units)</p> <p>2) Leakage control measure (distribution system)</p> <p>3) Pipe cleaning: air scouring (417km) and scraping & lining (213km)</p> <p>2. Contractual Work</p> <p>1) Leakage control measures (transmission system)</p> <p>2) Leakage control measures of the distribution system: replacement of 16 pressure reducing valves and 16 meters at off-takes.</p> <p>3) Connection of existing pipes (at 14 places)</p> <p>4) Primary main pipe laying (500-200mm, 30.6km)</p> <p>5) Secondary main pipe laying (100-150mm, 46.8km)</p> <p>6) Middle Zone facilities: one break pressure tank (10,600 cu.m) and supply and lay pipe (7.8km)</p> <p>7) Rehabilitation of treatment plants (Lower Ruw and Mtoni)</p> <p>* The cost above is in Nov. 1990 prices.</p>														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes/No</td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table> <p>7.20</p>			Feasibility:	EIRR1)	FIRR1)	Yes/No	EIRR2)	FIRR2)		EIRR3)	FIRR3)			
Feasibility:	EIRR1)	FIRR1)															
Yes/No	EIRR2)	FIRR2)															
	EIRR3)	FIRR3)															
5.TYPE OF STUDY	F/S	<p>Conditions and Development Impacts:</p> <p>Assumptions: 1) Increased billings and revenues by reduction of illegal connections and arrears and meter installations; 2) Revised water tariff system, including the proposed 68% increase from July 1, 1991; 3) Administrative improvement of operation and maintenance (leakage control, timely repairs); 4) Strengthening of in-house training programs for technicians and other personnel and 5) Project life of 20 years.</p> <p>Development impacts: By the implementation of the proposed rehabilitation project, potable water available for distribution by the system will increase from 193,400 cu.m/day in 1990 to 205,900 cu.m in 1995.</p> <p>The FIRR of 7.2% is for the basic case in which the administrative improvement program including the reduction of illegal connections and arrears is 50%-effective in increasing the revenue at the discount rate of 10% (B/C rate of 0.87). If the revenue improvement is 30%-effective or less, the B/C ratio would be substantially lower than 1 even with a discount rate of 3%. However, it is judged that the administrative improvement program is likely to be more than 50%-effective. It is desirable to achieve 70%-effectiveness, in which the B/C ratio will exceed 1, at the 10% discount rate.</p> <p>(FY 1993 Domestic Survey)</p>															
6.COUNTERPART AGENCY	National Urban Water Authority (NUWA)	5. TECHNICAL TRANSFER															
7.OBJECTIVES OF STUDY	To establish the F/S in order to get following items:	<p>1) Supplying portable water to the served area</p> <p>2) Increasing effective water in the WTP</p> <p>3) Expecting the autonomous of NUWA</p>															
8.DATE OF S/W	.0	Imp. Period:															
9.CONSULTANT(S)	Tokyo Engineering Consultants Co., Ltd. Pacific Consultants International	<p>2.MAJOR REASONS FOR PRESENT STATUS</p> <p>Financing of the project components identified by JICA study is not yet to be effected.</p>															
10.STUDY TEAM	<p>No. of Members</p> <p>Period Jun.1989-Jul.1991 (25 months)</p> <p>Total M/M Japan Field</p>	<p>3.PRINCIPAL SOURCE OF INFORMATION</p> <p>②</p>															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY																	
12.EXPENDITURE	<p>Total 351,662 (¥'000)</p> <p>Contracted</p>																

和名 ダルエスサラム市給水施設整備計画

(F/S,D/D)

PROJECT SUMMARY (F/S)

AFR ZAR/S 301/78

Compiled Mar.1986
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Zaire	1.SITE OR AREA	Matadi														
2.NAME OF STUDY	Project de la construction du pont sur le fleuve Zaire a Matadi	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>75,667</td> <td></td> <td></td> </tr> <tr> <td>US\$1=0.5Zaire=300Yen</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	75,667			US\$1=0.5Zaire=300Yen			
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	75,667																
US\$1=0.5Zaire=300Yen																	
3.SECTOR	Transportation/Fisheries	3.CONTENTIS OF MAJOR PROJECT(S)	<p>This study was carried out while based on the integrated study including collected datas made up by the investigation committee sent by GOJ from Oct. 19. through Nov. 8 1977. It was also based on the technical matters and the alliance recognized between the above committee and the gov. of Zaire. This basic study made details of the project very clear. (volume, method, period, expenditure of expected construction including upper-and lower-structure of matadi bridge and detached facilities.)</p> <table border="1"> <tbody> <tr> <td>1. Length of the bridge</td> <td>700 m</td> </tr> <tr> <td>2. Length of the center part of bridge</td> <td>520 m</td> </tr> <tr> <td>3. Length of the access road</td> <td>7.2 km</td> </tr> <tr> <td>4. Length of the access railway road</td> <td>18.11 km</td> </tr> <tr> <td>5. Capacity of the bridge</td> <td>1,800 t</td> </tr> <tr> <td>6. Width of the lane</td> <td>12 m x 2 lanes</td> </tr> </tbody> </table>			1. Length of the bridge	700 m	2. Length of the center part of bridge	520 m	3. Length of the access road	7.2 km	4. Length of the access railway road	18.11 km	5. Capacity of the bridge	1,800 t	6. Width of the lane	12 m x 2 lanes
1. Length of the bridge	700 m																
2. Length of the center part of bridge	520 m																
3. Length of the access road	7.2 km																
4. Length of the access railway road	18.11 km																
5. Capacity of the bridge	1,800 t																
6. Width of the lane	12 m x 2 lanes																
4.REFERENCE NO.		<p>1.PRESENT STATUS</p> <p> <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" 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 </p> <p>(Description)</p> <p> November 1977 Contact mission dispatched, August 1978 L/A revised February to April 1978 : contract prepared August 1978 Bids invited November 1978 Bidding December 1978 Contract approved by OECF February 1979 Construction started May 1983 Construction Completed </p>															
5.TYPE OF STUDY	F/S																
6.COUNTERPART AGENCY	O.E.B.k, Department des Transports																
7.OBJECTIVES OF STUDY	Basic designing having an accuracy that allows for the immediate preparation of executing construction work																
8.DATE OF S/W	Nov.1977																
9.CONSULTANT(S)	Japan Railway Technical Service	4.FEASIBILITY AND ITS ASSUMPTIONS	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>4.10</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>No</td> <td>EIRR2)</td> <td></td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td></td> <td>FIRR3)</td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>Development Impact :</p> <p>Matadi port, the only international port in Zaire, plays an important role in the economy of Zaire in that copper is exported from there via a domestic transport route. The port is 150km away from the Atlantic Ocean up the Zaire River, and it is in the river where many problems occur. To cope with this situation, there is a plan to construct at Banana a new port facing the Atlantic Ocean and to extend the railway between Kinshasa and Matadi to the Atlantic coast. As part of this plan, this project (the Matadi Bridge Project) is to construct a road-rail bridge. Completion of this bridge would greatly contribute to the economic development of Zaire.</p> <p>(FY 1993 Domestic Survey)</p>			Feasibility:	EIRR1)	4.10	FIRR1)	No	EIRR2)		FIRR2)		EIRR3)		FIRR3)
Feasibility:	EIRR1)	4.10	FIRR1)														
No	EIRR2)		FIRR2)														
	EIRR3)		FIRR3)														
10.STUDY TEAM	<p>No.of Members 33</p> <p>Period Feb.1978-Jun.1978(4 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>71.24</td> <td>71.24</td> <td></td> </tr> </tbody> </table>	Total M/M	Japan	Field	71.24	71.24		2.MAJOR REASONS FOR PRESENT STATUS									
Total M/M	Japan	Field															
71.24	71.24																
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		3.PRINCIPAL SOURCE OF INFORMATION															
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>150,804 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>93,516</td> </tr> </tbody> </table>		150,804 (¥'000)	Total		Contracted	93,516	<p>①</p>									
	150,804 (¥'000)																
Total																	
Contracted	93,516																

和名 マタディ橋梁建設計画

(F/S,D/D)

PROJECT SUMMARY (M/P)

AFR ZAR/S 101/86

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDY RESULTS					
1.COUNTRY	Zaire	1.SITE OR AREA	Kinshasa city and Bas Zaire						
2.NAME OF STUDY	Plan - directeur relatif a l'amenagement du systeme de transport allant de la ville de Kinshasa a Banana	2.PROJECT COST	<div> <div>(US\$1,000)</div> <div>1) 1,185</div> <div>2)</div> <div>Total Cost Local Cost Foreign Cost</div> </div>						
3.SECTOR	Transportation/Fisheries	3.CONTENTES OF MAJOR PROJECT(S)	(Description) Based on the study, a feasibility study was undertaken by JICA on the railway construction between Kisenso and Kimbanseke, but the project implementation was cancelled. The government of Zaire has stronger interest in road development, and JICA agreed to undertake a feasibility study on the east-west arterial road in Kinshasa City in 1989.						
4.REFERENCE NO.									
5.TYPE OF STUDY	M/P								
6.COUNTERPART AGENCY	Department of Foreight affairs and International Cooperation								
7.OBJECTIVES OF STUDY	(1) Preparation of master plan for the transport system between Kinshasa-Banana (2) Preparation of master plan for the urban transport system in Kinshasa city.								
8.DATE OF S/W	Jun.1984	4.CONDITIONS AND DEVELOPMENT IMPACTS	(FY 1993 Domestic Survey)						
9.CONSULTANT(S)	Yachiyo Engineering Co., Ltd.								
10.STUDY TEAM	No.of Members 13 Period Nov.1984-Aug.1986(22 months)								
	<table border="1"> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> <tr> <td>76.48</td> <td>41.02</td> <td>35.46</td> </tr> </table>	Total M/M				Japan	Field	76.48	41.02
Total M/M	Japan	Field							
76.48	41.02	35.46							
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Traffic Survey	5.technical transfer	2.MAJOR REASONS FOR PRESENT STATUS Difficulty in procuring funds due to increased foreign debts. Total investment volume must be reduced.						
12.EXPENDITURE	<table border="1"> <tr> <th>Total</th> <th>274,974 (¥'000)</th> </tr> <tr> <th>Contracted</th> <th>242,680</th> </tr> </table>	Total	274,974 (¥'000)	Contracted	242,680	3.PRINCIPAL SOURCE OF INFORMATION ①			
Total	274,974 (¥'000)								
Contracted	242,680								

和名 キンシャサ〜バナナ間交通体系総合調査

{M/P,Basic Study,Other}

PROJECT SUMMARY (F/S)

AFR ZAR/S 302/87

Compiled Mar.1990
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT									
1.COUNTRY	Zaire	1.SITE OR AREA	The districts of Ndili and Kimbanseke in southwestern Kinshasa										
2.NAME OF STUDY	Railway Construction Project between Kisenso and Kimbanseke	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>33,000</td> <td>7,000</td> <td>26,000</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	33,000	7,000	26,000
	Total Cost	Local Cost	Foreign Cost										
(US\$1,000)	33,000	7,000	26,000										
3.SECTOR	Transportation/Railway	3.CONTENT(S) OF MAJOR PROJECT(S)	<p>- New railway line (nonelectrified single track of 5km)</p> <p>- 3 new stations</p>										
4.REFERENCE NO.		<p>(Description)</p> <p>The new railway line is expected to serve as additional means of urban transport within Kinshasa City, on condition that the section within the city of the existing Kinshasa-Matadi railway line be developed to the urban transport standard.</p> <p>West Germany is now assisting the development of the section (double tracking, introduction of CTC, etc.), but implementation is expected to take long time. Accordingly, the implementation of the proposed new railway line will be delayed.</p> <p>In September 1991, the long-term JICA expert from Japan Railway Construction Public Corporation returned to Japan owing to the worsening of public peace and order in Zaire. At present, situation of this project is unclear.</p>											
5.TYPE OF STUDY	F/S												
6.COUNTERPART AGENCY	Department des Transports et communications												
7.OBJECTIVES OF STUDY	F/S for constructing a new commuter railway line (5km) in Kinshasa												
8.DATE OF S/W	Jun.1986	Imp. Period:	Jan.1989-Dec.1990										
9.CONSULTANT(S)	Japan Railway Technical Service Yachiyo Engineering Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 16.40 EIRR2) EIRR3)	FIRR1) 5.70 FIRR2) FIRR3)								
10.STUDY TEAM	No.of Members 11 Period Nov.1986-Dec.1987(14 months)	<p>Conditions and Development Impacts:</p> <p>1. Precondition for calculating IRR Passenger traffic was estimated based on a forecast for the years 1990, 2000, and 2010. It is necessary to confirm that reinforcement of the urban railway in Kinshasa has been completed and that it is able to offer suitable services as an urban railway.</p> <p>2. Development impacts Expected development impacts consist of improvement of connections between Ndjili-Kimbanseke and the center of Kinshasa, resulting in sound urban development of the district of Kimbanseke.</p>											
<table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>51.70</td> <td>27.56</td> <td>24.14</td> </tr> </tbody> </table>		Total M/M	Japan	Field	51.70	27.56	24.14	<p>5.TECHNICAL TRANSFER</p> <p>(1) OJT on methods for demand forecast, transport planning, facility planning, and economic and financial analysis. (2) Acceptance of trainees</p>					
Total M/M	Japan	Field											
51.70	27.56	24.14											
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		2.MAJOR REASONS FOR PRESENT STATUS											
12.EXPENDITURE		3.PRINCIPAL SOURCE OF INFORMATION											
<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>Contracted</th> </tr> </thead> <tbody> <tr> <td></td> <td>218,868 (¥'000)</td> <td>201,167</td> </tr> </tbody> </table>			Total	Contracted		218,868 (¥'000)	201,167	<p>The ongoing reinforcement of the conventional railway line in Kinshasa has not yet been completed.</p> <p>①</p>					
	Total	Contracted											
	218,868 (¥'000)	201,167											

和名 キセンソ・キンバンセケ鉄道建設計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR ZAR/S 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	Zaire	1.SITE OR AREA	Kinshasa 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 checked="" type="checkbox"/> Delayed or Suspended <input type="radio"/> Implementing <input type="radio"/> Processing <input type="checkbox"/> Discontinued or Cancelled																			
2.NAME OF STUDY	Construction Project of the East-West Road in Kinshasa City	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>62,598</td> <td>15,356</td> <td>47,242</td> </tr> <tr> <td>1)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	62,598	15,356	47,242	1)				2)				3)		
	Total Cost	Local Cost	Foreign Cost																					
(US\$1,000)	62,598	15,356	47,242																					
1)																								
2)																								
3)																								
3.SECTOR	Transportation/Fish Processing	3.CONTENTES OF MAJOR PROJECT(S)	(Description) Suspended after the completion of F/S.																					
4.REFERENCE NO.		Construction of the East-South Road between Matadi Road and Lumumba Road in Kishasa City: Urgent Projects : 2-lane Road (11 km) The South-North Road is relatively in good condition.																						
5.TYPE OF STUDY	F/S																							
6.COUNTERPART AGENCY	The Bureau d'tudes D'amanagements of Durbanisme of the Department of Public Works and Regional Development																							
7.OBJECTIVES OF STUDY	Arterial Road Construction																							
8.DATE OF S/W	Nov.1988	Imp. Period:	.1992-.1995																					
9.CONSULTANT(S)	Mitsui Consultants Co., Ltd.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 18.29 FIRR1) EIRR2) FIRR2) EIRR3) FIRR3)																				
10.STUDY TEAM	No.of Members 10 Period Mar.1989-Mar.1990(12 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>40.03</td> <td>15.00</td> <td>25.03</td> </tr> </tbody> </table>	Total M/M	Japan	Field	40.03	15.00	25.03	Conditions and Development Impacts: Conditions: Smoothed execution of: 1.Land Expropriation by the Zaire Government 2.Scheduled Road Improvement Plan by IBRD/OVO Development Impacts: 1. Induced Land Use along the Project Road 2. Improvement of Road congestion and savings of VOC 3. Road Transport Services for the poor 4. Employment effect during construction period: (150,000 skilled workers, and 215,000 unskilled workers) are expected to hired.																
Total M/M	Japan	Field																						
40.03	15.00	25.03																						
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Traffic Survey; Topographic Survey; and Soil/ drilling survey and Test	5.technical transfer	1)On the job Training; 2)Counterparts training in Japan; 3)Employment of Local Consultants; and 4)Donation of computer and photocopy Machine																					
12.EXPENDITURE	Total 180,531 (¥'000) Contracted 159,093	2.MAJOR REASONS FOR PRESENT STATUS Alteration of priority from the side of the government of Zaire.																						
		3.PRINCIPAL SOURCE OF INFORMATION ①																						

和名 キンシャサ市内東西幹線道路建設計画

{ F/S,D/D }

PROJECT SUMMARY (F/S)

AFR ZMB/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	Zambia	1.SITE OR AREA				1.PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" 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	Microwave Radio Relay Project	Whole countries																					
3.SECTOR	Communications & Broadcasting/Telecommunication	2.PROJECT COST				(Description) Dec.1983 OECF loan agreement (749 million yen) Nov.1984 D/D completed Jun.1987 Construction completed by own funds (FY1991 Overseas Survey) No additional information.																	
4.REFERENCE NO.		<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>1) (US\$1,000)</td> <td>38,566</td> <td>8,901</td> <td>29,665</td> </tr> <tr> <td>2)</td> <td>10,218</td> <td>2,578</td> <td>7,640</td> </tr> <tr> <td>3)</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							Total Cost	Local Cost	Foreign Cost	1) (US\$1,000)	38,566	8,901	29,665	2)	10,218	2,578	7,640	3)			
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1) (US\$1,000)	38,566	8,901	29,665																				
2)	10,218	2,578	7,640																				
3)																							
5.TYPE OF STUDY	F/S	3.CONTENT OF MAJOR PROJECT(S)																					
6.COUNTERPART AGENCY	Posts and Telecommunications Corporation	1. Mass Media TV Link: A bothway working TV radio bearer and a bothway protection bearer between the existing and the new TV studios; Addition of remote control and switchover functions for TV signal transmission, etc. 2. Lusaka - Copperbelt Route: 1,800-channel system by 6 GHz upper band between Lusaka & Chingola, and between Ndola & Kaloko Hill; a bothway route between Lusaka & Kitwe and a one-way route between Kitwe & Chingola for TV transmission, etc. 3. Kasama - Mansa Route: 960-channel system by 2GHz band between Kasama & Mansa; 120-channel systems for Mansa - Mwenze - Kawambwa - Nchelenge and for Mansa - Samfya 4. Chingola - Solwezi route: 960-channel system by 6GHz upper band between Chingola & Solwezi; a one-way TV transmission route 5. Kasama - Mbala and Kasama - Mporokoso routes: 120-channel system each by 2GHz band 6. Chipata - Lundazi Route: 120-channel system by 2GHz band, including the Lundazi - Chama and Chipata - Mfuwe Airport Links Phase 1 Plan: Lusaka - Copperbelt, Kasama - Mansa, Kasama - Mbala, Kasama - Mporokoso and Chipata - Lundazi Routes: Cost 1) shown above, implementation period 32 months Phase 2 plan: Chingola - Solwezi route, Lundazi - Chama Link, and Kawambwa - Nchelenge Link: Cost 2) shown above, construction period 29 months																					
7.OBJECTIVES OF STUDY	The improvement and expansion of the existing system and the establishment of the rural telecommunications system in Zambian national telecommunications networks	Imp. Period: 1982-1984																					
8.DATE OF S/W	Dec.1980	4.FEASIBILITY AND ITS ASSUMPTIONS																					
9.CONSULTANT(S)	Nippon Telecommunication Consulting Co., Ltd.	<table border="1"> <thead> <tr> <th>Feasibility:</th> <th>EIRR1)</th> <th>FIRR1)</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>10.38</td> <td>8.78</td> </tr> <tr> <td></td> <td>EIRR2)</td> <td>FIRR2)</td> </tr> <tr> <td></td> <td>EIRR3)</td> <td>FIRR3)</td> </tr> </tbody> </table>				Feasibility:	EIRR1)	FIRR1)	Yes	10.38	8.78		EIRR2)	FIRR2)		EIRR3)	FIRR3)						
Feasibility:	EIRR1)	FIRR1)																					
Yes	10.38	8.78																					
	EIRR2)	FIRR2)																					
	EIRR3)	FIRR3)																					
10.STUDY TEAM	No.of Members 12 Period Jan.1981-Apr.1981(3 months) <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>13.57</td> <td>9.00</td> <td>4.57</td> </tr> </tbody> </table>	Total M/M	Japan	Field	13.57	9.00	4.57	Conditions and Development Impacts: Conditions: 1. Phase 1 construction cost includes the cost of channel units to meet the circuit requirement for 1989. Basic facilities are designed to be capable of traffic transmission projected for 2000. 2. The construction of the Mass Media TV Link will be financed by the government budget (approx. 1 million Kwacha). 3. Operation to begin in mid-1984; project life of 20 years 4. System expansions are assumed in 1989 and 1994. 5. The call charge is assumed to be raised in mid-1982 from the current rate of K0.080 per call to K0.10. Development impacts: The main objective of the 3rd Development Plan is to promote regional development and to overcome the excessive dependence on copper industry. The improvement of the Lusaka and Copperbelt trunk network will contribute to the consolidation and development of copper industry. Expansion of communication routes to the northern region will help improve the capability of Tanzania Railways, while the proposed routes for the eastern territory will serve to activate the development potentials of the most fertile land in Zambia. * EIRR 1) and FIRR 1) are for the entire plan, and FIRR 2) for the Phase I Plan.															
Total M/M	Japan	Field																					
13.57	9.00	4.57																					
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER																					
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>(¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>43,141</td> </tr> <tr> <td>Contracted</td> <td>31,263</td> </tr> </tbody> </table>		(¥'000)	Total	43,141	Contracted	31,263	1) Trainee acceptance: 3 counterparts were invited to Japan, and studied technical system; 2) Preparation of report; and 3) On job training (PTC counterparts)															
	(¥'000)																						
Total	43,141																						
Contracted	31,263																						
		2.MAJOR REASONS FOR PRESENT STATUS																					
		High priority																					
		3.PRINCIPAL SOURCE OF INFORMATION																					
		①②④																					

和名 マイクロウェーブ回線網建設計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR ZMB/S 302/85

Compiled Mar.1988
Revised Mar.1992

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT															
1.COUNTRY	Zambia	1.SITE OR AREA	North-east of Lusaka																
2.NAME OF STUDY	Lusaka International Airport Development Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>58,700</td> <td>21,100</td> <td></td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	58,700	21,100							
	Total Cost	Local Cost	Foreign Cost																
(US\$1,000)	58,700	21,100																	
3.SECTOR	Transportation/Air Transportaion & Airport	3.CONTENTS OF MAJOR PROJECT(S)	<table border="1"> <thead> <tr> <th>Contents</th> <th>Facility size/quantity</th> </tr> </thead> <tbody> <tr> <td>Runway, taxiway repair</td> <td>10km extension</td> </tr> <tr> <td>Apron expansion</td> <td>35,000 sq.m approx.</td> </tr> <tr> <td>Passenger terminal building improvement</td> <td>13,000 sq.m</td> </tr> <tr> <td>Cargo terminal building improvement</td> <td>6,400 sq.m</td> </tr> <tr> <td>VIP building construction</td> <td>1,400 sq.m</td> </tr> <tr> <td>Telecommunications facility renovation</td> <td>Total system</td> </tr> </tbody> </table>			Contents	Facility size/quantity	Runway, taxiway repair	10km extension	Apron expansion	35,000 sq.m approx.	Passenger terminal building improvement	13,000 sq.m	Cargo terminal building improvement	6,400 sq.m	VIP building construction	1,400 sq.m	Telecommunications facility renovation	Total system
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Cargo terminal building improvement	6,400 sq.m																		
VIP building construction	1,400 sq.m																		
Telecommunications facility renovation	Total system																		
4.REFERENCE NO.		<p>(Description)</p> <p>After the completion of F/S, the Government applied for an OECF loan, but suspended the application because of the large project cost.</p> <p>The arrival hall of the terminal building and the modernization of telecommunication equipment were completed with Italian and OPEC finance in Dec. 1990.</p> <p>(FY1991 Overseas Survey)</p> <p>The project was modified according to the local situation.</p>																	
5.TYPE OF STUDY	F/S																		
6.COUNTERPART AGENCY	Department of Civil Aviation, Ministry of Power, Transport and communications																		
7.OBJECTIVES OF STUDY	<p>1) Examine technical, economic and financial feasibility of Project</p> <p>2) Technology transfer to counterpart officials</p>																		
8.DATE OF S/W	Jul.1984	Imp. Period:	.1987-.1989																
9.CONSULTANT(S)	Japan Airport Consultants, Inc.	4.FEASIBILITY AND ITS ASSUMPTIONS	Feasibility: Yes/No	EIRR1) 12.50 EIRR2) EIRR3)	FIRR1) 2.30 FIRR2) FIRR3)														
10.STUDY TEAM	<p>No.of Members 8</p> <p>Period Dec.1984-Dec.1985 (13 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>43.67</td> <td>28.67</td> <td>16.00</td> </tr> </tbody> </table>	Total M/M	Japan	Field	43.67	28.67	16.00	<p>Conditions and Development Impacts:</p> <p>Premises for IRR calculation : air transport demand forecast is made for a period of 1990-2010 at 5-year interval. Total national demand is forecast by regression analysis using EC countries gross domestic product as explanatory variable, and the national demand is distributed into regional demand considering urbanization and regional development trends and potentials of each respective region.</p> <p>The project is planned in two stages. Phase I targetted for 2000 and Phase II for 2010. Development effects expected include increase in tourism income and in employment opportunities, as well as possible foreign capital investment in Zambia.</p>											
Total M/M	Japan	Field																	
43.67	28.67	16.00																	
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Geological survey	2.MAJOR REASONS FOR PRESENT STATUS																	
		<p>Zambia is not eligible for Japanese loan aids due to its bilateral accumulated debt. The sheer competition in loan and grant aids to Zambia among donor countries makes Zambia quite reluctant to request a project loan application to Japan.</p>																	
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>151,654 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td></td> </tr> <tr> <td>Contracted</td> <td>149,727</td> </tr> </tbody> </table>		151,654 (¥'000)	Total		Contracted	149,727	5.technical transfer	3.PRINCIPAL SOURCE OF INFORMATION										
	151,654 (¥'000)																		
Total																			
Contracted	149,727																		
		<p>1) One counterpart participated in JICA counterpart training program; and 2) Local consultants participation : Airport civil work facility survey is jointly conducted under Japanese supervision.</p>	①②																

和名 ルサカ国際空港整備計画

{F/S,D/D}

PROJECT SUMMARY (F/S)

AFR ZMB/S 303/90

Compiled Mar.1992
Revised Mar.1993

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT													
1.COUNTRY	Zambia	1.SITE OR AREA	South 60km Lusaka City														
2.NAME OF STUDY	Kafue Road Bridge Reconstruction Project	2.PROJECT COST	<table border="1"> <thead> <tr> <th></th> <th>Total Cost</th> <th>Local Cost</th> <th>Foreign Cost</th> </tr> </thead> <tbody> <tr> <td>(US\$1,000)</td> <td>13,750</td> <td>3,160</td> <td>10,590</td> </tr> </tbody> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	13,750	3,160	10,590				
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	13,750	3,160	10,590														
3.SECTOR	Transportation/Fish Processing	3.CONTENTES OF MAJOR PROJECT(S)	<p>Features of New Bridge:</p> <ul style="list-style-type: none"> - Bridge length : 162M (38.0+2 x 43.0+38.0m) - Bridge width : 7.30 + 2.0 = 9.30M - Approach road : 750M - Superstructure: 4 span continuous steel girder - Subastructure : Abutment 2, direct foundation pier 3, steel pile foundation <p>Construction Cost</p> <p>The aggregate cost of construction was worked out as approx. 13.2 million US\$. Construction Implementation Program</p> <ul style="list-style-type: none"> (1) The existing bridge removal : by a bent pile method (2) The new bridge construction : by a bent pile method (3) Atemporay bridge pile-driving : by a water jet and vibro method (4) The new bridge pier driving : by a pre-boring and vibro method 														
4.REFERENCE NO.		4.FEASIBILITY AND ITS ASSUMPTIONS	<p>Feasibility: Yes/No</p> <table border="1"> <thead> <tr> <th></th> <th>EIRR1</th> <th>51.90</th> <th>FIRR1</th> </tr> </thead> <tbody> <tr> <td></td> <td>EIRR2</td> <td></td> <td>FIRR2</td> </tr> <tr> <td></td> <td>EIRR3</td> <td></td> <td>FIRR3</td> </tr> </tbody> </table> <p>Conditions and Development Impacts:</p> <p>Conditions of Economic Analysis:</p> <ul style="list-style-type: none"> (1) Elimination of Risk of Bridge Unserviceability Increase of vehicle operating cost by diversion to detour routes is regarded as an economic benefit. (2) EIRR <p>Economic Internal Rate of Return (EIRR) which is an indicator of economic analysis is estimated for the assumed detour routes as follows:</p> <ul style="list-style-type: none"> - Case of Itezhi Tezhi Route : 80.1% - Case of Chiawa Pontoon Route : 51.9% <p>Development Impacts:</p> <p>The road passing through the Kafue Road Bridge is a trunk line which joins Lusaka City and Southern Province in Zambia, and furthermore outside southern African countries (i.e. Zimbabwe, Botswana, and Mozambique).</p> <p>(FY 1993 Domestic Survey)</p>				EIRR1	51.90	FIRR1		EIRR2		FIRR2		EIRR3		FIRR3
	EIRR1	51.90	FIRR1														
	EIRR2		FIRR2														
	EIRR3		FIRR3														
5.TYPE OF STUDY	F/S	5.technical transfer	No technical transfer that there was no counterpart.														
6.COUNTERPART AGENCY	Ministry of Works and Supply	6.MAJOR REASONS FOR PRESENT STATUS	<p>(FY1992 Overseas Survey)</p> <p>The bridge is on a regional trunk road and its reconstruction is crucial.</p>														
7.OBJECTIVES OF STUDY	F/S of reconstruction of the Kafue road bridge	7.PRINCIPAL SOURCE OF INFORMATION	①②														
8.DATE OF S/W	Mar.1989																
9.CONSULTANT(S)	Chodai Co., Ltd. Pacific Consultants International																
10.STUDY TEAM	<p>No.of Members 10</p> <p>Period Oct.1989-Sep.1990(12 months)</p> <table border="1"> <thead> <tr> <th>Total M/M</th> <th>Japan</th> <th>Field</th> </tr> </thead> <tbody> <tr> <td>47.03</td> <td>20.40</td> <td>26.63</td> </tr> </tbody> </table>	Total M/M	Japan	Field	47.03	20.40	26.63										
Total M/M	Japan	Field															
47.03	20.40	26.63															
11.ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic, Geological, and Traffic Volume Survey.																
12.EXPENDITURE	<table border="1"> <thead> <tr> <th></th> <th>Total</th> <th>211,467 (¥'000)</th> </tr> </thead> <tbody> <tr> <td>Contracted</td> <td>179,330</td> <td></td> </tr> </tbody> </table>		Total	211,467 (¥'000)	Contracted	179,330											
	Total	211,467 (¥'000)															
Contracted	179,330																

和名 カフエ川道路橋改築計画

{F/S,D/D}