

## II. SUMMARY TABLES (167 STUDIES)

**PROJECT SUMMARY (F/S)**

Compiled March 1990  
Revised March 1991

ASO BGD 301/78

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Bangladesh	1. SITE OR AREA	Project area: 24km east from Dacca covering a gross area of 59,600ha			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Narayanganj-Narsingdi Irrigation Project	2. PROJECT COSTS	US\$1=15Tk. Total Cost      Local Cost      Foreign Cost 1)                      60,700              29,600              31,100 (US\$1,000)      2) 3)			
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	1.Flood Protection Embankment New Dike      35.0 km Additional Embankment      24.1 km 2.NO.1 Pumping Station Area (13,100ha) Pumping Station      diameter 1,650 mm X 6 NOS. Irrigation Canal      168.7 km Drainage Canal      10.0 km 3.NO.2 Pumping Station Area (13,400ha) Pumping Station      diameter 1,650 mm X 6 NOS. Irrigation Canal      186.8 km Drainage Canal      13.7 km			(Description)  1.Completion of Demonstration Unit Demonstration Unit of N-N Irrigation Project was executed on the south covering approx.1,300ha in this project area by Japanese Grant Aid in 1981 and completed on Mar.1984. 1981.10.20 Grant; E/N 840 million yen 1988.1.11              E/N 105 million yen 1988.9.7              E/N 536 million yen 1989.2.12              E/N 76 million yen (D/D) Consultant: Chuo Kaihatsu Corporation 2.Execution of Block A-1 Construction of N-N Irrigation Project was executed on Block A-1 in this Project Area on Sep.1987 by Japanese Grant Aid and is to complete on Mar.1992. Consultant: Japan Engineering Consultants Co.,Ltd.
4. REFERENCE NO.		Implementation Period:	fill after 14 years			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
6. COUNTERPART AGENCY	Bangladesh Water Development Board(BWDB)	Feasibility:	Yes			
7. OBJECTIVES OF STUDY	Rice product increase through the improvement of irrigation, drainage and flood control	Conditions and Development Impacts:	Conditions: Benefit by the increase of net agricultural products Development Impacts: Increase of agricultural products and employment opportunity			
8. DATE OF S/W	March 1977					
9. CONSULTANT(S)	Japan Engineering Consultants Co.,Ltd.					
10. STUDY TEAM	No. of Members      10 Period              Jul.1977 - Jul.1978 (12 months)  Total M/M              59.3 Japan                  34.8 Field                  24.5					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER	OJT			
12. EXPENDITURE	Total              119,305 (¥000) Contracted      109,935					
					2. MAJOR REASONS FOR PRESENT STATUS	
					3. PRINCIPAL SOURCES OF INFORMATION  (1)	

和名 N-N地区かんがい計画

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

## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASO BGD 302/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																																																			
1. COUNTRY	Bangladesh	1. SITE OR AREA	Whole area: 72,270 ha in northwest of Rajshahi City Irrigable area: 51,200 ha out of the whole area		1. PRESENT STATUS  <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																																																		
2. NAME OF STUDY	North Rajshahi Irrigation Project	2. PROJECT COSTS																																																					
3. SECTOR	Agriculture/ General	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">1)</td> <td style="text-align: center;">151,000</td> <td style="text-align: center;">79,800</td> <td style="text-align: center;">71,200</td> </tr> <tr> <td style="text-align: center;">2)</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>			Total Cost	Local Cost	Foreign Cost	1)	151,000	79,800	71,200	2)				3)				(Description)  Although the official request for loan project in 9,000 ha area of Paba District is planned to be submitted by the Government of Bangladesh in 1990, it is now suspended due to the resignation of the President.																																			
	Total Cost	Local Cost	Foreign Cost																																																				
1)	151,000	79,800	71,200																																																				
2)																																																							
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4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)																																																					
5. TYPE OF STUDY	F/S	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Intake Capacity (m3/sec)</th> <th rowspan="2">Diameter (mm)</th> <th colspan="2">Type of Pump</th> <th rowspan="2">Main Canal (Km)</th> <th rowspan="2">Branch Canal (Km)</th> </tr> <tr> <th>Unit Pumping Capacity (m3/sec)</th> <th>Motor Output (Kw/Unit)</th> </tr> </thead> <tbody> <tr> <td>Barindo district</td> <td>44.24</td> <td></td> <td></td> <td></td> <td>49</td> <td>445</td> </tr> <tr> <td>  Vertical</td> <td></td> <td>1,650</td> <td>4</td> <td>6.65</td> <td></td> <td></td> </tr> <tr> <td>  Mixed</td> <td></td> <td>1,350</td> <td>4</td> <td>4.00</td> <td></td> <td></td> </tr> <tr> <td>Paba district</td> <td>9.44</td> <td></td> <td></td> <td></td> <td>14</td> <td>82</td> </tr> <tr> <td>  Vertical</td> <td></td> <td>1,350</td> <td>1</td> <td>4.12</td> <td></td> <td></td> </tr> <tr> <td>  Mixed</td> <td></td> <td>1,000</td> <td>2</td> <td>2.07</td> <td></td> <td></td> </tr> </tbody> </table>			Intake Capacity (m3/sec)	Diameter (mm)	Type of Pump		Main Canal (Km)	Branch Canal (Km)	Unit Pumping Capacity (m3/sec)	Motor Output (Kw/Unit)	Barindo district	44.24				49	445		Vertical		1,650	4	6.65			Mixed		1,350	4	4.00			Paba district	9.44				14	82	Vertical		1,350	1	4.12			Mixed		1,000	2	2.07		
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Vertical		1,350	1	4.12																																																			
Mixed		1,000	2	2.07																																																			
6. COUNTERPART AGENCY	Bangladesh Water Development Board (BWDB)	Implementation Period: Jul.1987 - Jun.1988																																																					
7. OBJECTIVES OF STUDY		4. FEASIBILITY AND ITS ASSUMPTIONS																																																					
8. DATE OF S/W	Feb.1987	EIRR 18.4% FIRR 13.6% Feasibility: Yes.																																																					
9. CONSULTANT(S)	Sanyu Consultants Inc. (Taiyo Consultants Co., Ltd.)	Conditions and Development Impacts: The project will increase the rice production in the whole project areas from 58,000 ton/year to 303,000 ton/year, which is about 4.9 times as much as the present situation. This is caused by all-year-round irrigation and improvement of farming technology. Apart from this, wheats, vegetables and sugar canes will be improved in their production amount. These production increase results in the improvement of typical farmers' (farming scale, 1.7 ha) income from 21,000 Tak/year of without-project case to 58,000 Tak/year of with-project case, which is about 2.76 times.																																																					
10. STUDY TEAM	No. of Members 12 Period Jul.1987 - Jun.1988 (11 months)  Total M/M 74.74 Japan 32.15 Field 42.59	5. TECHNICAL TRANSFER																																																					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		The technical transfer was given in the joint field survey with counterpart staffs and two of them were invited to the seminar in Japan.																																																					
12. EXPENDITURE	Total 222,323 (¥'000) Contracted 211,428	3. PRINCIPAL SOURCES OF INFORMATION																																																					
		(1)																																																					

和名 ラジャシャヒ北部かんがい計画

## PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASO BGD 101 /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Bangladesh	1. SITE OR AREA	Homna Sub-district and Daudkandi Sub-district		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Model Rural Development Project for Homna and Daudkandi Upazila Comilla District	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	(Description)  The basic design study is on-going in reply to a grant aid request from the Government of Bangladesh to the Government of Japan, which has been made based on this Master Plan Study carried out in 1988 and 1989.	
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 121,000	2)		
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			The following projects were selected in the two object districts:	
5. TYPE OF STUDY	M/P	1. Fresh water fishery (Rehabilitation of ponds)	Daudkandi 330 sites	Homna 170 sites		
6. COUNTERPART AGENCY	LGEB BRDB	2. Rehabilitation of existing canals	125.4 km	17.6 km	2. MAJOR REASONS FOR PRESENT STATUS	
7. OBJECTIVES OF STUDY	To formulate a master plan on the model rural development for Comilla District	3. Construction of Rural roads	47.9 km	30.8 km		
8. DATE OF S/W	Feb. 1988	4. Bridges	20 sites	15 sites		
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Taiyo Consultants Co., Ltd.	5. Communication Center Building cum Home Industry Center	31 places	16 places		
10. STUDY TEAM	No. of Members 10 Period Oct. 1988 - Sep. 1989 (12 months)  Total M/M 46.20 Japan 21.33 Field 24.87	4. CONDITIONS AND DEVELOPMENT IMPACTS				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		By the completion of the proposed projects aiming at increasing production of agriculture, fresh water fishery, rural and home industry, etc., it is possible to create large opportunity of employment and gross income for low income villagers in the object rural areas.				
12. EXPENDITURE	Total 146,581 (¥'000) Contracted 136,092	5. TECHINCAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION  (1)	

和名 モデル農村開発計画

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

PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASO BTN 301/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT										
1. COUNTRY	Bhutan	1. SITE OR AREA	Lhuntsi and Mongar Districts (Area:560,000ha, Population-Lhuntsi District:42,100, Mongar District:77,200)		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled									
2. NAME OF STUDY	Luntch-Mongar Integrated Agricultural Development Project	2. PROJECT COSTS	US\$1=14Nu. Total Cost Local Cost Foreign Cost 1) 8,586 2,336 6,250 (US\$1,000) 2) 3)											
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Following two development projects are selected as model development: <table border="1"> <thead> <tr> <th>Site</th> <th>Area</th> <th>Development Plan</th> </tr> </thead> <tbody> <tr> <td>Tangmachhu</td> <td>478 (ha)</td> <td>Irrigation and Drainage facilities, Feeder Road Construction, Agro-Industry development, etc.</td> </tr> <tr> <td>Masangdaza</td> <td>123 (ha)</td> <td>Irrigation and Drainage facilities, Feeder Road Construction, Agro-mechanization, etc.</td> </tr> </tbody> </table>		Site	Area	Development Plan	Tangmachhu	478 (ha)	Irrigation and Drainage facilities, Feeder Road Construction, Agro-Industry development, etc.	Masangdaza	123 (ha)	Irrigation and Drainage facilities, Feeder Road Construction, Agro-mechanization, etc.	(Description)  Bhutan government may request grant aid for the projects
Site	Area	Development Plan												
Tangmachhu	478 (ha)	Irrigation and Drainage facilities, Feeder Road Construction, Agro-Industry development, etc.												
Masangdaza	123 (ha)	Irrigation and Drainage facilities, Feeder Road Construction, Agro-mechanization, etc.												
4. REFERENCE NO.		Implementation Period:	Jul.1989 - Mar.1992											
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	2. MAJOR REASONS FOR PRESENT STATUS									
6. COUNTERPART AGENCY	Ministry of Agriculture and Forestry	Feasibility: Yes	1) 4.6% *	2) 3.8% *										
7. OBJECTIVES OF STUDY	To formulate an Integrated Agricultural Development plan for the object area and to assess its technical soundness and economic viability.	Conditions and Development Impacts: Condition: Only benefit from irrigation development is calculated, and benefit from feeder road development is not calculated Impacts: 1) Activation of regional economy 2) Expenses Saving and export earning 3) Spreading effects to other areas 4) Effective utilization of available labour force 5) Strengthening of farmer's organization	*EIRR 1) is for Tangmachhu and 2) is for Masangaaza.											
8. DATE OF S/W	July 1986	5. TECHINCAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION  (1)									
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nippon Giken Inc.	12. EXPENDITURE	Total 137,882 (¥000) Contracted 131,476											
10. STUDY TEAM	No. of Members 7 Period Dec.1987 - Nov.1988 (12 months)  Total M/M 42.1 Japan 10.0 Field 32.1													
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY														

**PROJECT SUMMARY (F/S)**

Compiled March 1990  
Revised March 1991

ASO CHN 301/83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	China	1. SITE OR AREA	East region of Hei Long Jiang Province, Central part of Qian San Jiang Plain (arable land area 400million ha), Model District of Bao Qing Xian (6 million ha)		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Sanko Heigen Ryutokyo Model Area Agricultural Development Project	2. PROJECT COSTS	US\$1=2.5Yuan in 1983 Total Cost      Local Cost      Foreign Cost 1)                      320,000              220,000              100,000 (US\$1,000) 2) 3)		
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Irrigation Area : 46,170 ha Filldam : Crest 1,478,000 cu.m Diversion Weir : 2 places (Wang Jin Shan 75m, Tou Dao Crest 45m) River Improvement : 99 km Drainage Construction : 158.8 km Irrigation Construction : 172.3 km Road Construction : 137 km Farm Land Improvement : 46,170 ha		(Description)  Details are not clear. As far as we know through dispatched experts who joined "Sanko Heigen Integrated Agricultural Laboratory Plan" successively conducted after this F/S, Chinese expert on irrigation who attended international conferences such as ICID, and questions and answers during the visit of P/F mission of ADCA to China, 1.The contents of the plan have largely changed from emphasizing paddy which was requested by China to soybean production as a commercial product. 2.River improvement construction started on a small scale by World Bank loan and China's own fund. 3.The government of Hei Long Jiang Province is eager to implement whole projects, however, Central Government is prudent to balance with other provinces.
4. REFERENCE NO.		Implementation Period:	design : 2 years, Construction : 10 years		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
6. COUNTERPART AGENCY	Ministry of Agriculture, Animal Husbandry and Fishery	Feasibility:	11.6%		
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:			
8. DATE OF S/W	Jul. 1981	Conditions:	The ratio of foreign cost of the projects, 31.5%, is summed up by opportunity mainly a part of machinery and material cost, and foreign cost of consultants.		
9. CONSULTANT(S)	Agricultural Development Consultants Association	Development Impacts:	Farm products 55,822,700 Gen, Live-stock products 24,831,800 Gen, making a total amount of 80,654,500 Gen. In addition, they contribute to regional development including removal of flood damage, stabilization of community life, etc.		
10. STUDY TEAM	No. of Members 68 Period Aug.1981 - Mar.1984 (32 months)  Total M/M 276.91 Japan 123.81 Field 153.10	5. TECHINCAL TRANSFER	1.Training in Japan 3 times, total 27 persons 2.Training during the study period several times		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE	Total 931,353 (¥000) Contracted 758,606		
			2. MAJOR REASONS FOR PRESENT STATUS  This has been given priority for food sufficiency and export expansion, however, it seems difficult to realize it because of lack of funds and complicated political situation in China.		
			3. PRINCIPAL SOURCES OF INFORMATION  (1)		

## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASO CHN 302/84

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	China	1. SITE OR AREA	Harbin and Jiamusi Cities in Hei Long Jiang Province, Bao Qing Xian		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing
2. NAME OF STUDY	Basic Plan on the Sanjiang Plain Agricultural Experiment Station	2. PROJECT COSTS			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			8,000	3,000	5,000
5. TYPE OF STUDY	F/S				
6. COUNTERPART AGENCY	Committee on Science and Technology, Hei Long Jiang Province	3. CONTENTS OF MAJOR PROJECT(S)	Following research will be conducted to get basic technical data for agricultural development in San Jiang Plain 1. Research on breeding and cultivation of cold-proof seeds 2. Research on farm land improvement in a cold area with low humidity		
7. OBJECTIVES OF STUDY		Implementation Period:			
8. DATE OF S/W	Aug. 1984	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	(Description)  After the completion of (D/D) of basic planning in Mar.1985, experts were dispatched there as technical cooperation and improvement of field and setting up of machineries and equipments were done. Currently, experiment and research are in progress, based on them.
9. CONSULTANT(S)	Agricultural Development Consultants Association	Feasibility:			
10. STUDY TEAM	No. of Members 9 Period Sep.1984 - Mar.1985 (7 months)  Total M/M 16.00 Japan 6.81 Field 9.19	Conditions and Development Impacts:			2. MAJOR REASONS FOR PRESENT STATUS
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Till recently Chinese way of research was inflexible because of rigidity of coverage by each ministry, therefore there was no idea that integrate irrigation and agricultural projects. That this kind of integrated experiment stations started for the purpose of development of San Jiang Plain is meaningful since it indicates perspective of Chinese experiment station. This is also indispensable to implement agricultural development in San Jiang Plain smoothly.			
12. EXPENDITURE	Total 54,179 (¥'000) Contracted 46,378	5. TECHINCAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION  (1)
		Cooperation with related experiment stations by establishing a new organization under Committee on Science and Technology of Hei Long Jiang Province. Technical Transfer is being alone through operation between irrigation research institute and integrated agricultural research institute.			

和名 三江平原農業綜合試驗場基本計画

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

## PROJECT SUMMARY (M/P + F/S)

Compiled March 1990  
Revised March 1991

ASO CHN 201A /88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	China	1. SITE OR AREA	Rosel village in East Rosel Go of Min district of Kanshuku Region (Population 28,000, Area 81,800ha, Latitude 34°25' N and longitude 104°40'E)		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Lujingxiang Model Stock-farming Project in Gansu Province	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS				
3. SECTOR	Animal Husbandry/ Animal Husbandry		Total Cost	Local Cost	Foreign Cost	(Description)  *Co-operative project to study production technology of beef cattle and feed* Period: Fiscal year 1990 to 1993 (4years) Japanese long term experts: 2 men Scope of co-operation and study  1. Improvement of beef cattle breed and raising management. A. Examination to select improved bull (by examination of performance of meat production) B. Examination of cross ability C. Examination of management of beef cattle raising D. Examination of Yak fattening  2. Improvement and management of grass land A. Examination to select suitable grass species B. Examination concerning the methodology of grass land reclamation C. Examination concerning cropping and management of grass land D. Examination concerning process and storage of harvest
4. REFERENCE NO.			1)	17,765	11,313	
5. TYPE OF STUDY	M/P+(F/S)		2)		6,452	
6. COUNTERPART AGENCY	National Scientific Technology Committee, Ministry of Animal Husbandry of Kansyuku Region	3. MAJOR PROJECT(S) PROPOSED				
7. OBJECTIVES OF STUDY		Grass Land Reclamation	7,343 ha,			
8. DATE OF S/W	Jun.1987	Road Improvement	154 km,			
9. CONSULTANT(S)	Japan Agricultural Land Development Agency	Machineries for maintenance of Pasture, Feed Mixing Processing Facilities	1 set			
10. STUDY TEAM		Water Resource Development	61 wells			
		Electrification of Rural Area (Electric wire)	82.8 km			
		4. CONDITIONS AND DEVELOPMENT IMPACTS				
		It is expected that the effects by this development plan will spread wide to surrounding areas, as it is identified typical area for livestock farming development in north-east part of China, considering that the Government of China attaches great importance to animal husbandry in the Seventh 5 year National Development Plan. Moreover, it is expected that average income of rural population will be increase and their life conditions will be improved, through the livestock farming development.			2. MAJOR REASONS FOR PRESENT STATUS	
					3. PRINCIPAL SOURCES OF INFORMATION	
		5. TECHINICAL TRANSFER				
		Co-operative work to make a report			(1)	
12. EXPENDITURE						
		Total	155,358 (¥'000)			
		Contracted	132,921			

和名 甘肅省閩井地区牧畜業開發計畫

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



PROJECT SUMMARY (M/P + F/S)

Compiled March 1990  
Revised March 1991

ASO CHN 201B/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	China	1. SITE OR AREA	8 villages and 6th regional cattle breeding examination center of Hiansan which surround east Rosei village of Min district of Kanshuku Region (Area 7,150 ha)		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Lujingxiang Model Stock-farming Project in Gansu Province	2. PROJECT COSTS	US\$1=3.85Yuan in July, 1988 Total Cost Local Cost Foreign Cost 1) 7,208 3,796 3,412 2) (US\$1,000) 3)		
3. SECTOR	Animal Husbandry/ Animal Husbandry	3. CONTENTS OF MAJOR PROJECT(S)	Grass Land Reclamation (Meadow 1,630 ha, Pasture 242 ha) Facilities and Machineries for Animal Husbandry, Road Improvement 47 km Drainage Canal 5.1 km Meat packing plant 1 set Examination Ranch Improvement		(Description)  Unknown
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR FIRR 12.9% 9.8%		
5. TYPE OF STUDY	(M/P)+F/S	Feasibility: Yes	Conditions and Development Impacts: It is expected that a farmer's average annual income from farming operation and animal husbandry in Rosei Go area will exceed 380 chinese yen ( it means 2.7 times of that in 1986) , thanks to implementation of this project.		
6. COUNTERPART AGENCY	National Scientific Technology Committee, Ministry of Animal Husbandry of Kansyuku Region	5. TECHINCAL TRANSFER	Co-operative work to make a report		
7. OBJECTIVES OF STUDY		12. EXPENDITURE	Total 155,358 (¥000) Contracted 132,921		
8. DATE OF S/W	Jun. 1987	2. MAJOR REASONS FOR PRESENT STATUS		3. PRINCIPAL SOURCES OF INFORMATION	
9. CONSULTANT(S)	Japan Agricultural Land Development Agency				
10. STUDY TEAM	No. of Members 11 Period Oct.1987 - Mar.1989 (18 months)  Total M/M 69.00 Japan 29.00 Field 40.00				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					

和名 甘肅省閩井地区牧畜業開發計畫

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

**PROJECT SUMMARY (F/S)**

Compiled March 1990  
Revised March 1991

ASO CHN 303/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	China	1. SITE OR AREA	Located on the northern Hubei province in the inland China on middle courses of the Yangtze River (The total land area: 1,540 sq.km, population: 1,170 thousand)		
2. NAME OF STUDY	Irrigation Development Project in Northern Hubei	2. PROJECT COSTS	US\$1=3.7Yuan as of 1987		
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 30,180	16,900	13,280
5. TYPE OF STUDY	F/S		2) 40,660	23,000	17,660
6. COUNTERPART AGENCY	Committee of Science and Technology	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY					
8. DATE OF S/W	Jan. 1987				
9. CONSULTANT(S)	Taiyo Consultants Co., Ltd. Japan Engineering Consultants Co., Ltd.				
10. STUDY TEAM	No. of Members 12 Period Jul. 1987 - Jun. 1988 (12 months)  Total M/M 52.52 Japan 41.69 Field 10.83				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
12. EXPENDITURE	Total 177,675 (¥000) Contracted 154,282				
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
			1)*	13.73	
		Feasibility:	2)*	47.91	
		Conditions and Development Impacts:			
		Intensive farming system will be introduced by planting rice, cotton, sesame, maize, soybean, etc. in summer and wheat and rape in winter.			
		The production of the crops will be stabilized through elimination of drought damages by utilizing irrigation water. The farmers' income will be increased.			
		*EIRR for 1) (Shi Tai Si) ranges from 7.55 to 10.31% and that for 2) (Yin Dan) ranges from 27.94 to 38.02%.			
		5. TECHNICAL TRANSFER			
		(1) Joint works of Japan and China (China organized the survey team similar to the Japanese team)			
		(2) Organizing seminars (3) OJT			
					1. PRESENT STATUS
					<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting
					<input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended
					<input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled
					<input type="checkbox"/> Processing
					(Description)
					After F/S, the Chinese Government picked up Shi Tai Si (石台寺) district for implementation under the grant aid scheme of the Japanese Government. The Japanese Government, in response, carried out B/D survey in May 1990 and forwarded the final report to China in November 1990. This project will be implemented in FY 1991 under the grant aid scheme. Yin Dan (引丹) district is implemented sparing the Chinese own funds.
					Implementation Period: 1989 - 1993
					2. MAJOR REASONS FOR PRESENT STATUS
					The Chinese Government recognizes that agricultural development is a key issue for economic development of China. Therefore, the Government decided to develop the granary of the Hubei Province with a top priority.
					3. PRINCIPAL SOURCES OF INFORMATION
					(1)

## PROJECT SUMMARY (F/S)

Compiled March 1991  
Revised

ASO CHN 304/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																					
1. COUNTRY	China	1. SITE OR AREA	Northern part of Hunan Province (right bank of Yangzi River middle basin)																						
2. NAME OF STUDY	Integrated Agricultural Infrastructure Development in Dong Ting Lake Area in Hunan Province	2. PROJECT COSTS				(US\$1=4.1Gen) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total Cost</td> <td style="width: 15%; text-align: center;">Local Cost</td> <td style="width: 15%; text-align: center;">Foreign Cost</td> <td style="width: 15%;"></td> </tr> <tr> <td style="text-align: center;">1)</td> <td style="text-align: center;">28,263</td> <td style="text-align: center;">27,883</td> <td style="text-align: center;">380</td> <td></td> </tr> <tr> <td style="text-align: center;">(US\$1,000) 2)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost		1)	28,263	27,883	380		(US\$1,000) 2)					3)	
	Total Cost	Local Cost	Foreign Cost																						
1)	28,263	27,883	380																						
(US\$1,000) 2)																									
3)																									
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	1) Model Block at Nan-da-ti area - Drainage facilities for Dike improvement work - Electric-transmission for Xiang-nan Drainage Pump Station - New Pump Station at Nan-da District - On-farm level Irrigation land in Huang Mao Zhou district  2) Model Block at Shi-ji-hu-ti Area - Drainage facilities and Horticultural facilities for technical Development - Experimental Center - Pump station land and other auto-irrigation facilities - Tunnel house  Implementation Period:																						
4. REFERENCE NO.		4. FEASIBILITY AND ITS ASSUMPTIONS				<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">EIRR</td> <td style="width: 15%; text-align: center;">FIRR</td> </tr> <tr> <td></td> <td style="text-align: center;">1) 13.6% *</td> <td style="text-align: center;">2) 20.1% *</td> </tr> </table> Feasibility:  Conditions and Development Impacts: After construction/improvement of the following facilities, it is expected that agricultural development in Dong-Ting-Lake Reclamation area and urban type vegetable production could become possible. - Model Block in Nan-Da-Ti-area Improvement of Drainage Pump Station Improvement of Main Irrigation and Drainage System Improvement of on-farm Irrigation and Drainage Facilities (Improvement of Protection Dike) - Model Block in Shi-ji-hu-ti area Introduction of Horticultural Cultivation Facilities  *EIRR 1) is for Nan-da-ti and 2) is for Shi-ji-hu-ti				EIRR	FIRR		1) 13.6% *	2) 20.1% *											
	EIRR	FIRR																							
	1) 13.6% *	2) 20.1% *																							
5. TYPE OF STUDY	F/S	5. TECHINCAL TRANSFER	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Total</td> <td style="width: 15%; text-align: center;">194,042 (¥000)</td> </tr> <tr> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">160,483</td> </tr> </table>				Total	194,042 (¥000)		Contracted	160,483														
	Total	194,042 (¥000)																							
	Contracted	160,483																							
6. COUNTERPART AGENCY	Hunan Science and Technology Commision	12. EXPENDITURE	1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing  (Description)  Request for Yen Credit has not yet been made.																						
7. OBJECTIVES OF STUDY		2. MAJOR REASONS FOR PRESENT STATUS				2. MAJOR REASONS FOR PRESENT STATUS																			
8. DATE OF S/W	Apr.1988	3. PRINCIPAL SOURCES OF INFORMATION	3. PRINCIPAL SOURCES OF INFORMATION  (1)																						
9. CONSULTANT(S)	Sanyu Consultants Inc. Japan Engineering Consultants Co., Ltd.					10. STUDY TEAM  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">No. of Members</td> <td style="width: 15%;">14</td> </tr> <tr> <td>Period</td> <td>Aug.1988 - Feb.1990 (18 months)</td> </tr> <tr> <td>Total M/M</td> <td>53.7</td> </tr> <tr> <td>  Japan</td> <td>19.6</td> </tr> <tr> <td>  Field</td> <td>34.1</td> </tr> </table>			No. of Members	14	Period	Aug.1988 - Feb.1990 (18 months)	Total M/M	53.7	Japan	19.6	Field	34.1							
No. of Members	14																								
Period	Aug.1988 - Feb.1990 (18 months)																								
Total M/M	53.7																								
Japan	19.6																								
Field	34.1																								
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY			11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																						
						12. EXPENDITURE																			

和名 湖南省洞庭湖地区総合水利及び農業開発計画

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

PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASE IDN 301/76

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Indonesia	1. SITE OR AREA	Area with 5km wide and 60km long along the Solo river (population is 25 million centering on Surakarta city of Java island)			1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled	
2. NAME OF STUDY	Wonogiri Irrigation and Upper Solo River Improvement Project	2. PROJECT COSTS	US\$1=415Rp. Total Cost    Local Cost    Foreign Cost 1)            138,000      70,720      67,280 (US\$1,000) 2) 3)				
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	1. Irrigation Area : 23,200 ha 2. Wonogiri dam : Rockfill type, Effective storage capacity 440 million cu.m 3. Diversion Weir : 1 place 4. Main/Secondary & Tertiary Canal : 93.8km/1009.2km 5. Length of the Improved section : 63.5km 6. Water Power station : Turbine 2 units Max.output 70,200kw			(Description)  State 1. Feasibility Study on Wonogiri Irrigation Project 1) Executed Period: 1976 2) Consultant : Nippon Koei Co.,Ltd/JEC 2. Detailed Design 1) Finance : OECF(E/S) 1977.3.31 L/A 513 million Yen 2) Consultant : Nippon Koei Co.,Ltd. 3) Executed Period : 1977 - 1979 3. Construction 1) Finance : OECF 1979.2.16 L/A 9.8 billion Yen 2) Consultant : Nippon Koei Co.,Ltd. 3) Executed Period : 1980 - 1986 (completion)	
4. REFERENCE NO.		Implementation Period: May.1977 - Oct.1983			2. MAJOR REASONS FOR PRESENT STATUS		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR			
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	Feasibility: Yes					
7. OBJECTIVES OF STUDY		Conditions and Development Impacts: Condition: Irrigation benefit was estimated as the difference of agricultural net income between with-project and without-project conditions. Flood control benefit was estimated by the expected reduction of flood damages resulting from the flood control work. Benefit from hydropower is estimated based on the cost of the competitive alternative thermal or diesel system. Development Impacts: Increase of crop production, Increase of farmers' income, Reduction of flood damage, Increase of capacity to cope with the increasing power demand.					
8. DATE OF S/W		5. TECHNICAL TRANSFER					
9. CONSULTANT(S)	Nippon Koei Co.,Ltd.	12. EXPENDITURE			3. PRINCIPAL SOURCES OF INFORMATION		
10. STUDY TEAM	No. of Members 15 Period Jan.1976 - Sep.1976 (9 months)  Total M/M Japan Field						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY							
		Total Contracted 164,778 (¥000)					

和名 ウオノギリダムかんがい及び河川改修計画

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

PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASE IDN 302/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Riam Kanan Area of South Kalimantan Province (Investigated Area 60,000ha)		
2. NAME OF STUDY	Riam Kanan Irrigation Project	2. PROJECT COSTS	US\$1=625Rp. Total Cost Local Cost Foreign Cost 1) 190,670 106,880 83,790 (US\$1,000) 2) 3)		
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	1. Irrigation Area : 32,610 ha 2. Reclamation of new paddy : 5,150 ha 3. Deversion Weir : 1 place, Max. intake discharge 34 cu.m/sec 4. Main canal : 48.4 km 5. Main drain : 53 km 6. Main road : 122 km		
4. REFERENCE NO.		Implementation Period:	Jan.1980 - Oct.1988		
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	Feasibility: Yes	13.5%		
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:	Condition: The direct benefit was evaluated as the difference of net income from the crop production between with-project and without-project conditions. Development Impacts: Increase of crop production Saving of foreign currency Increase of employment opportunity		
8. DATE OF S/W	Mar.1978	10. STUDY TEAM	2. MAJOR REASONS FOR PRESENT STATUS		
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Asia Air Survey Co.,Ltd.	No. of Members 18 Period Jul.1978 - Mar.1979 (9 months)  Total M/M 73.43 Japan 19.53 Field 53.90			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	3. PRINCIPAL SOURCES OF INFORMATION		
12. EXPENDITURE	Total 248,479 (¥000) Contracted 151,908	5. TECHNICAL TRANSFER	(1)		

和名 リアムカナンかんがい計画

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

## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASE IDN 303/80

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Langkemme Area of South Slawesi Province (Investigated Area 8,000ha, Population 89,000 as of 1979)		
2. NAME OF STUDY	Langkemme Irrigation Project	2. PROJECT COSTS			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 21,700	11,700	10,000
5. TYPE OF STUDY	F/S		2)		
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY		Irrigation Area : 6,400 ha Diversion Weir : Tyrol type 20 places, concrete type 1 place Gabion type 2 places Irrigation Canal : Main Canal 30km Tunnel for Canal : 720 m			
8. DATE OF S/W	Feb. 1980	Implementation Period:	Jul. 1982 - Jul. 1987		
9. CONSULTANT(S)	Nippon Koei Co., Ltd.	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
10. STUDY TEAM	No. of Members 13 Period Jul. 1980 - Mar. 1981 (8 months)  Total M/M 47.62 Japan 0.93 Field 46.69	Feasibility: Yes	14.7%		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Conditions and Development Impacts: Condition: Direct benefit was estimated as the difference of annual income from agricultural production between with-project and without-project conditions. Development Impacts: Increase of agricultural products Raise of farmer's living standard			
12. EXPENDITURE	Total 150,097 (¥'000) Contracted 141,743	5. TECHINCAL TRANSFER			
				1. PRESENT STATUS	
				<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing	
				(Description)	
				1. Detailed Design 1) Finance : OECF 1982.4.30 L/A (E/S) 320 million Yen 2) Consultant : Nippon Koei Co., Ltd. P.T. Buana Archicon 3) Period : Oct. 1983 - Mar. 1985 2. Construction (on-going) 1) Finance : OECF 1985.12.27 L/A 6.95 billion Yen 2) Consultant : Nippon Koei Co., Ltd. P.T. Necon Ciptajasa 3) Period : Mar. 1988 - Jul. 1992 Currently under construction	
				2. MAJOR REASONS FOR PRESENT STATUS	
				Shortage of local currency portion.	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 ランケメかんがい開発計画

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

PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASE IDN 304/81

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	South-west part of South Sumatra Province and northern part of Lampung Province 50,600ha (Population 114,000)		
2. NAME OF STUDY	Komering-1 Irrigation Development Project in the Upper Komering River Basin	2. PROJECT COSTS	US\$1=625Rp.		
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	Foreign Cost
4. REFERENCE NO.			1) 321,000	122,000	199,000
5. TYPE OF STUDY	F/S		2)		
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	3. CONTENTS OF MAJOR PROJECT(S)	3)		
7. OBJECTIVES OF STUDY		1. Irrigation Area : 36,700 ha			
8. DATE OF S/W	Dec. 1978	2. Ranau Dam : Concrete gravity dam, Designed discharge 50cu.m/sec			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Asia Air Survey Co., Ltd. Japan Irrigation and Reclamation Consultants Co., Ltd.	3. Main/Secondary, Tertiary Canal : 134/1,117 km			
10. STUDY TEAM	No. of Members 10 Period Jul. 1979 - Mar. 1982 (35 months)	4. Main/Secondary, Tertiary Drain : 180/1,264 km			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. Main Road : 135 km			
12. EXPENDITURE	Total 483,028 (¥'000) Contracted 443,096	Implementation Period: Apr. 1983 ~ Sep. 1991			
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	
		Feasibility: Yes	16.24		
		Conditions and Development Impacts:			
		Condition: Benefit was estimated as the difference of net income between with-project and without-project conditions			
		Development Impacts: Increase of crop yields Saving of foreign currency Increase of employment opportunity			
		5. TECHNICAL TRANSFER			
		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input checked="" type="checkbox"/> Processing		
		(Description)	1. Detailed Design 1) Finance: OECF 1983.9.22 L/A(E/S) IP-260 1.18 billion Yen 2) Consultant : Nippon Koei Co., Ltd. 3) Executed Period : Mar. 1985 - Sep. 1989 2. Construction 1) Finance : OECF 1989.12.22 L/A IP-347 One of the five sub project of "Irrigation and Flood Control Development Project" (21.518 billion Yen) 2) Consultant : not yet selected 3) Project Cost : 11 Billion Yen		
		2. MAJOR REASONS FOR PRESENT STATUS			
		3. PRINCIPAL SOURCES OF INFORMATION	(1)		

## PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASE IDN 101/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Aceh, South Sumatra, Lampung, West Java, Central Java, East Java, South Sulawesi, South Kalimantan	1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Postharvest Losses	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost    Local Cost    Foreign Cost	(Description)  In parallel with this M/P, a cooperation to agricultural machine/equipment supply program was requested by the Indonesian Government. OECF appraisal mission was sent in April 1982.  Loan Agreement No. IP-268, March 8, 1984 for 5.8 billion yen. Detailed Design Dec. 1985 to May '87 by OMIC.  Since then, 83 threshers, 92 flat dryers, 344 rice mill units (1t/h) and 137 rice mill units (2t/h) were procured and installation works are still going on at 626 agricultural cooperatives in 7 provinces of West Java, Central Java, East Java, Bari, West Nusa Tenggara, South Sulawesi and Jogjakarta.  General improvement works in South Sulawesi for postharvest processing and marketing developed into "Survey on postharvest processing & Marketing" started by JICA in Nov. 1988. Pilot areas were set up in the province and some concrete measures are expected to be taken shortly.  "Postharvest technology training Centre" is being built at Bekasi (40km southeast of Jakarta) by Grant Aid program of Japan now. It is one application of this M/P "Establishment of an organization charged with the improvement of postharvest processing. The discolored grain problem in Aceh province had been improved greatly by the introduction of threshers in quantity and resultant shorter threshing operation time.	
3. SECTOR	Agriculture/ Agricultural Processing	(US\$1,000)	1) 2)		
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P	1. Establishment of an organization in charge of improvement in postharvest processing.			
6. COUNTERPART AGENCY	Ministry of Agriculture	2. Reinforcement of marketing and storage capacity of surplus rice in south Sulawesi.			
7. OBJECTIVES OF STUDY		3. Reduction of discolored grains in Aceh province especially Pidi county and North Aceh County.			
8. DATE OF S/W	Jun. 1981	4. Drying of paddy harvested in rainy season and cleaning of immature grains in 6 counties in the northern plain of West Java province.			
9. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd.	4. CONDITIONS AND DEVELOPMENT IMPACTS			
10. STUDY TEAM		Development Impacts: This plan will contribute to government program for increasing food production by reducing qualitative and quantitative losses after harvest through investigations on innovations in postharvest rice processing such as harvesting, threshing, drying, cleaning, transportation and also on new machines and equipments.			
	No. of Members    12 Period              Aug. 1981 - Nov. 1982 (16 months)  Total M/M            81.56 Japan              16.85 Field                64.71				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER		2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE		Measurements and forecasts of losses during postharvest processing should continue after the completion of this survey. During the survey period it was desirable to give guidance to counterparts, assistants and other concerned parties in direct survey methods in order to determine whether the proposal were practical and effective. Then, further technological follow-up steps virtually included training courses and seminars on postharvest losses.		Improvement in postharvest rice processing is to promote government project of increasing food production and is given high priority among various government projects.	
	Total            225,647 (¥000) Contracted    205,444				
				(1)	

和名 米穀收穫後処理法改善計画

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



## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASE IDN 305/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT							
1. COUNTRY	Indonesia	1. SITE OR AREA	8 states including Aceh, Southern Sumatra, Lampung, Southern Kalimantan, Southern Sulawesi, Eastern Java, Central Java, and Western Java	1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing						
2. NAME OF STUDY	Rice Pest Forecasting and Control Project	2. PROJECT COSTS	US\$1=251.85Yen in 1982	(Description)							
3. SECTOR	Agriculture/ General		<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: right;">(US\$1,000)</td> <td style="text-align: center;">1) 48,000</td> <td style="text-align: center;">2) 29,585</td> <td style="text-align: center;">3) 18,415</td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 48,000
	Total Cost	Local Cost	Foreign Cost								
(US\$1,000)	1) 48,000	2) 29,585	3) 18,415								
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)	Food crop protection centers: 7 locations Pest forecasting laboratories: 20 locations Pest monitoring stations: 100 locations Agro-chemical test stations: 3 locations	Basic design was performed between August 1985 and January 1986 (Matsuda, Hirata and Sakamoto Architects)  Detailed design and construction supervision also by Matsuda, Hirata and Sakamoto Architects.  1983~ Assistance for increased food production 1984.3.8 OECF L/A one part of "Farm Machinery Expansion Project" (¥5.8 billion) 1985.4.26 Grant aid E/N 445 million Yen 1986.2.28       "       2.061 billion Yen 1986.8.20       "       1.23 billion Yen 1987.7.2       "       1.978 billion Yen 1987.4 Project technical assistance							
5. TYPE OF STUDY	F/S	7. OBJECTIVES OF STUDY	Pest Control programme in 8 states to reduce food crop damage								
6. COUNTERPART AGENCY	Directorate General of Food Crop Agriculture, Ministry of Agriculture	Implementation Period:	Feb.1982 - Oct.1983	2. MAJOR REASONS FOR PRESENT STATUS							
8. DATE OF S/W	Feb.1982	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR        FIRR 22.82%								
9. CONSULTANT(S)	Chuo Kaihatsu Corporation	Feasibility:		3. PRINCIPAL SOURCES OF INFORMATION							
10. STUDY TEAM	No. of Members 7 Period Jan.1982 - Mar.1982 (3 months)  Total M/M 29.98 Japan 18.02 Field 9.96	Conditions and Development Impacts:	Project will reduce damage by pests to crops. Project life is estimated at 50 years, with a 5 year construction period								
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHNICAL TRANSFER	(1) Training in Japan (2) OJT	(1)							
12. EXPENDITURE	Total 78,924 (¥'000) Contracted 68,220										

和名 稲病害虫発生予察防除計画

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

## PROJECT SUMMARY (F/S)

ASE IDN 306/82

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	D.I. Aceh, South Sumatra, Lampung		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Rice Seed Production and Distribution Project	2. PROJECT COSTS	US\$1=654Rp. in Feb.1982			
3. SECTOR	Agriculture/ General		Total Cost	Local Cost	(Description)  1.1984.4 Dispatched appraisal mission(OECF) 1985.2.15 L/A(No.291) 3 billion Yen  2. Conducted re-F/S due to the delay of implementation of the project caused by budgetary problem of Indonesian Government  3.1988.6~7. Dispatched re-appraisal mission (OECF), and prepared Minutes of Discussion.  4. As a result of re-F/S, engaged to construct the seed processing center, in Aceh, Lampung, South Sumatra, West Java and South Sulawesi.  5.1989.9~12. Conducted Detailed Design.  6.1990.3. Tender Announcement  7.1990.11. Concluded Contract.	
4. REFERENCE NO.			1) 47,702	22,260		
5. TYPE OF STUDY	F/S		2) (US\$1,000)	25,442		
6. COUNTERPART AGENCY	Directorates General of Food Crops Agriculture.	3. CONTENTS OF MAJOR PROJECT(S)	3)			
7. OBJECTIVES OF STUDY		Consolidation and Establishment of Seed Farm. Construction of Seed Processing centers. Construction of central seed storage. Establishment of seed distribution system.				
8. DATE OF S/W	Dec.1981	Implementation Period:				
9. CONSULTANT(S)	Overseas Merchandise Inspection Co.,Ltd. (OMIC)	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
10. STUDY TEAM		Feasibility: Yes	36.5%			
	No. of Members 11 Period Jan.1982 - Dec.1982 (12 months)	Conditions and Development Impacts:			2. MAJOR REASONS FOR PRESENT STATUS  Parts of a long term plan for food self sufficiency -Increase of production per unit area -Adaptation of paddy kinds to the change in production system -Distribution of economical and sound seeds	
	Total M/M 43.70 Japan 21.29 Field 22.41	Development: Release from food shortage. Conservation of scarce foreign currency by reducing import of rice. Contribution to the stabilization of consumer's price and producer's price of rice. Increase of farmers' income.				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER			3. PRINCIPAL SOURCES OF INFORMATION  (1)	
12. EXPENDITURE	Total 113,514 (¥000) Contracted 98,636					

和名 稲種子生産・配布計画

## PROJECT SUMMARY (F/S)

ASE IDN 307/82

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Bila of South Sulawesi Province (Investigated Area 20,000ha, Population 83,700 in 1980)	1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input checked="" type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Bila Irrigation Project	2. PROJECT COSTS	US\$1=625Rp.		
3. SECTOR	Agriculture/ General		Total Cost    Local Cost    Foreign Cost 1)                    108,517       52,682       55,835 (US\$1,000) 2) 3)	(Description)  1. Detailed Design (1) Finance: OECF 1984.6.13 L/A (E/S) 550 million Yen (2) Consultant: Nippon Koei Co., Ltd. (3) Period: Feb.1987-Dec.1988  2. Construction (1) Finance: OECF L/A was concluded on 14th Dec.1990 for stage 1 projects	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)			
5. TYPE OF STUDY	F/S	1. Irrigation Area: 9,800 ha		2. MAJOR REASONS FOR PRESENT STATUS	
6. COUNTERPART AGENCY	Ministry of Public Works, Directorate General of Water Resources Development	2. Diversion Weir :1 place (Crest 70m long, weir 12.7m high)			
7. OBJECTIVES OF STUDY	F/S	3. Dam :1 place (Rockfill type, Crest 230m long, Dam 30.5m high)		3. PRINCIPAL SOURCES OF INFORMATION  (1)	
8. DATE OF S/W	Feb.1981	4. Main Canal : 46.1 km			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Nippon Giken Inc. Nikken Consultants, Inc.	5. Main, Secondary Drain: 86.5 km		5. TECHINCAL TRANSFER	
10. STUDY TEAM	No. of Members 13 Period Jun.1981 - Jun.1982 (13 months)  Total M/M 55.02 Japan 6.02 Field 49.00	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR       FIRR 13.4% - 11.2%		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		Feasibility: Yes		12. EXPENDITURE  Total 143,153 (¥000) Contracted 130,650	
12. EXPENDITURE		Conditions and Development Impacts: Condition: Economic benefit of the project was estimated by only the direct benefit derived from the crop production with the irrigation development. The economic evaluation was made based on 50 years of project life starting from 1983 which would be the starting year of the construction, assuming that realization of target benefit is primarily 5 years after start of the cropping. Development Impacts: Increase of agricultural products Raise in farmer's living standard Equalization of rural economic development			

和名 ビラかんがい開発計画

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

## PROJECT SUMMARY (F/S)

ASE IDN 308/82

Compiled March 1990  
Revised March 1991

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Indonesia	1. SITE OR AREA	Sanrego Area of South Sulawesi Province (Investigated Area 17,500ha, Population 38,400 as of 1981.)		1. PRESENT STATUS <input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Sanrego Irrigation Project	2. PROJECT COSTS			
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	1. Irrigation Area: 8,000 ha 2. Diversion Weir: Wet Stone Masonry, Crest 40m long, Weir 10m high 3. Small Intake Weir: 3 places 4. Irrigation Canal: Main 11.6 km, Branch 97.5 km 5. Head Reach : 4.9 km 6. Farm Road : 13.2 km		(Description)  Since around 1985, the implementation of the project has been started by the World Bank finance.
4. REFERENCE NO.		Implementation Period:			
5. TYPE OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR	2. MAJOR REASONS FOR PRESENT STATUS
6. COUNTERPART AGENCY	Ministry of Public Works Directorate General of Water Resources Development	Feasibility: Yes	15.1%		
7. OBJECTIVES OF STUDY	F/S	Conditions and Development Impacts:	Condition: Irrigation benefit was estimated as the difference of net annual production between with-project and without project conditions. Attainment of the target production is after 5 years in existing paddy areas, eight years in new areas after project completion. Development Impact: Increase of agricultural products, Raise in dwellers' living standard in the development area.		3. PRINCIPAL SOURCES OF INFORMATION
8. DATE OF S/W	Mar.1982	5. TECHINCAL TRANSFER			
9. CONSULTANT(S)	Nippon Koei Co.,Ltd. Nippon Giken Inc. Asia Air Survey Co.,Ltd.	10. STUDY TEAM	No. of Members 12 Period Jun.1982 - Mar.1983 (10 months)  Total M/M 50.37 Japan 1.50 Field 48.87		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE			

和名 サンレゴかんがい開発計画

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

**PROJECT SUMMARY (F/S)**

Compiled March 1990  
Revised March 1991

ASE IDN 309/83

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
<b>1. COUNTRY</b>	Indonesia	<b>1. SITE OR AREA</b>	Kopo, Cikande, Careng Districts, eastern part of North Banten (Investigated area 11,500 ha, Population 43,000)		
<b>2. NAME OF STUDY</b>	K-C-C Irrigation Development Project	<b>2. PROJECT COSTS</b>	US\$1=690Rp.		
<b>3. SECTOR</b>			Total Cost	Local Cost	Foreign Cost
Agriculture/ General		(US\$1,000)	1) 35,939	22,659	13,280
<b>4. REFERENCE NO.</b>		<b>3. CONTENTS OF MAJOR PROJECT(S)</b>	1. Irrigation Area : 3,500ha 2. Gadeq Dam : Zone type Rockfilldam 3. Head Reach : 9.6km, max. discharge 6.0cu.m/sec 4. Main/Secondary & Tertiary Canal : 13.0km/96.0km 5. Main Road : 14.8km		
<b>5. TYPE OF STUDY</b>	F/S	<b>4. FEASIBILITY AND ITS ASSUMPTIONS</b>	EIRR	FIRR	
<b>6. COUNTERPART AGENCY</b>		Feasibility: Yes	17.4%		
<b>7. OBJECTIVES OF STUDY</b>		<b>Conditions and Development Impacts:</b>	Conditions: Benefit is estimated as the difference of net annual income from the agricultural production between with-project and without-project conditions Development Impacts: Increase of production of paddy rice and paddy second crop Saving of foreign currency Increase of employment opportunity		
<b>8. DATE OF S/W</b>	Mar. 1982	<b>5. TECHINICAL TRANSFER</b>			
<b>9. CONSULTANT(S)</b>	Nippon Koei Co., Ltd. Chuo Kaihatsu Corporation Mitsui Consultants Co., Ltd. Other	<b>10. STUDY TEAM</b>	<b>2. MAJOR REASONS FOR PRESENT STATUS</b>		
		No. of Members 22 Period Jul. 1982 - Jun. 1983 (12 months)  Total M/M 112.15 Japan 53.17 Field 58.98			
<b>11. ASSOCIATED AND/OR SUBCONTRACTED STUDY</b>			<b>3. PRINCIPAL SOURCES OF INFORMATION</b>		
<b>12. EXPENDITURE</b>	Total 110,801 (¥000) Contracted 115,957		(1)		

**PROJECT SUMMARY (Basic Study)**

Compiled March 1990  
Revised March 1991

ASE IDN 501/85

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	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	Mosaic Photomap Project of the Downstream Area of the Negara River Basin in South Kalimantan	Kalimantan Island, downstream area of the Negara River Basin in South Kalimantan			
3. SECTOR	Agriculture/ General	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	(Description)  *Negara River Basin Overall Irrigation Development Plan* (Master Plan) was conducted by JICA from FY 1987 to 1989.
4. REFERENCE NO.		(US\$1,000)	1)	2)	
5. TYPE OF STUDY	Basic Study	3. MAJOR PROJECT(S) PROPOSED			
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	Following works were done as basic data for establishing Agricultural Development Plan in downstream area of the Negara River Basin.			
7. OBJECTIVES OF STUDY		1. Taking air photos of those area 6,300 sq.m (1/20,000) 2. Mosaic photomap of Amuntai area (about 1,200 sq.km (1/10,000))			
8. DATE OF S/W	Apr. 1983	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Asia Air Survey Co., Ltd. the other	Negara River, the tributary of Barito River where development works have been done on the small scale, remains undeveloped. Indonesian Government recognizes that establishing agricultural development plan is indispensable to facilities development of those areas. This study is basic data for it.			
10. STUDY TEAM	No. of Members 21 Period Jul.1983 - Mar.1986 (33 months)  Total M/M 72.87 Japan 14.76 Field 58.11	5. TECHINCAL TRANSFER			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY				2. MAJOR REASONS FOR PRESENT STATUS	
12. EXPENDITURE	Total 377,064 (¥000) Contracted 373,813			This study started for the purpose of establishing agricultural development plan, however, Indonesian Government was reluctant to hand over topographical maps abroad. Therefore this study concluded as photo map project	
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

**PROJECT SUMMARY (M/P)**

Compiled March 1990  
Revised March 1991

ASE IDN 102/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Soybean ----- East Java Potato ----- West Java			1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Multiplication and Distribution of Improved Soybean Seed and Seed Potato	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	(US\$1=148 yen in 1987) Total Cost    Local Cost    Foreign Cost			
3. SECTOR	Agriculture/ General	(US\$1,000)	1) 16,216			(Description) Improvement of field for foundation seeds of potatoes, as a project for grant aid program of the Japanese government, has been conducted and will be completed soon (by Pacific Consultants International) With regard to soybean, Ministry of Agriculture of Indonesian Government is on the process of improvement of production system of BS(foundation seed), SS(registered seed), and ES(ordinary seed) in East Java.
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED				
5. TYPE OF STUDY	M/P	To reinforce followings in order to produce seeds for soybeans and potatoes				
6. COUNTERPART AGENCY	Crop production Bureau, Ministry of Agriculture	1. Fostering seed producing farmers 2. Improving seed processing and storage facilities 3. Promoting seed distribution 4. Strengthening administration system for seed multiplication and distribution				
7. OBJECTIVES OF STUDY		1) Field for foundation seed/registered seed 2) Seed inspection 3) Training activities				
8. DATE OF S/W		4. CONDITIONS AND DEVELOPMENT IMPACTS				
9. CONSULTANT(S)	Overseas Merchandise Inspection Co., Ltd.	Conditions: 1. Pertinent organization and disposition of personnel 2. Financial assistance (Raise operating fund) 3. Administrative Coordination (Research & Administration) 4. Securing necessary land				
10. STUDY TEAM	No. of Members 6 Period Jul.1987 - Sep.1987 (3 months)  Total M/M 24.24 Japan 8.49 Field 15.75	Development Impacts: 1. Increase of agricultural production and resultant increase of farmers' income by the introduction of better seeds and their stable supply (ordinary farmers and seed producing farmers) 2. Contribute to the self-sufficiency of food				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER				
12. EXPENDITURE	Total 73,445 (¥000) Contracted 72,458					
		2. MAJOR REASONS FOR PRESENT STATUS			As the result of this study, the project for potatoes started ahead soybeans. After its completion the project for modernization of soybean seed production is to start.	
		3. PRINCIPAL SOURCES OF INFORMATION			(1)	

和名 主要食用作物生産振興計画

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

## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASE IDN 310/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT																			
1. COUNTRY	Indonesia	1. SITE OR AREA		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled																		
2. NAME OF STUDY	Batang Kumu Irrigation Project in Riau Province	Tambusai District, Kampar Regency, Riau Province, Sumatra Island																					
3. SECTOR	Agriculture/ General	2. PROJECT COSTS		(Description)  The Indonesian Government has decided to apply to Japanese Government for the OECF's loan for the Detailed Design and the construction.																			
4. REFERENCE NO.		<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: right;">(US\$1,000)</td> <td style="text-align: center;">1) 43,000</td> <td style="text-align: center;">2) 18,600</td> <td style="text-align: center;">3) 23,900</td> </tr> </table>					Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 43,000	2) 18,600	3) 23,900										
	Total Cost	Local Cost	Foreign Cost																				
(US\$1,000)	1) 43,000	2) 18,600	3) 23,900																				
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)																					
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	Wet season paddy: 7,300 ha Dry season paddy: 3,100 ha Upland crops in dry season: 2,700 ha The following facilities will be constructed to attain the foregoing target. Head work: W=50m, H=5.5m Flood gate: 14m x 3 nos Head reach: 2.6 km Main canal: 25.6 km Secondary canal: 50.1 km Secondary drainage canal: 56.5 km Tertiary canal: 486 km Tertiary drain: 102 km, Farm road: 146 km																					
7. OBJECTIVES OF STUDY	F/S	Implementation Period: 1992 - 1996																					
8. DATE OF S/W	Nov. 1984	4. FEASIBILITY AND ITS ASSUMPTIONS																					
9. CONSULTANT(S)	Japan Irrigation and Reclamation Consultants Co., Ltd. (JIRCO)	EIRR                      FIRR 12.7%																					
10. STUDY TEAM	<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">No. of Members</td> <td style="width: 15%;">18</td> <td style="width: 15%;">Period</td> <td style="width: 55%;">Jun. 1985 - Mar. 1986 (6 months)</td> </tr> <tr> <td></td> <td></td> <td></td> <td>May. 1988 - Jan. 1989 (8 months)</td> </tr> <tr> <td>Total M/M</td> <td>56.00</td> <td></td> <td></td> </tr> <tr> <td>    Japan</td> <td>22.00</td> <td></td> <td></td> </tr> <tr> <td>    Field</td> <td>34.00</td> <td></td> <td></td> </tr> </table>	No. of Members	18			Period	Jun. 1985 - Mar. 1986 (6 months)				May. 1988 - Jan. 1989 (8 months)	Total M/M	56.00			Japan	22.00			Field	34.00		
No. of Members	18	Period	Jun. 1985 - Mar. 1986 (6 months)																				
			May. 1988 - Jan. 1989 (8 months)																				
Total M/M	56.00																						
Japan	22.00																						
Field	34.00																						
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Topographic Survey Geological Survey	5. TECHINCAL TRANSFER																					
12. EXPENDITURE	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="text-align: center;">Total</td> <td style="text-align: center;">212,093 (¥000)</td> </tr> <tr> <td></td> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">171,000</td> </tr> </table>		Total	212,093 (¥000)		Contracted	171,000	(1) On the Job Training (2) Overseas Training															
	Total	212,093 (¥000)																					
	Contracted	171,000																					
				2. MAJOR REASONS FOR PRESENT STATUS																			
				To promote the transmigration scheme and to keep self-sufficiency of rice in national level.																			
				3. PRINCIPAL SOURCES OF INFORMATION																			
				(1)																			

和名 バタンクム農業開発計画



## PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASE IDN 103 /89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS													
1. COUNTRY	Indonesia	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	Negara River Basin Overall Irrigation Development Plan	Negara River Basin, South Kalimantan Province (Study Area 12,683 sq.km)		(Description)  Technical Assistance for the Negara Pilot project will be requested to Japanese Government													
3. SECTOR	Agriculture/ General	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">Total Cost</td> <td style="width: 10%; text-align: center;">Local Cost</td> <td style="width: 10%; text-align: center;">Foreign Cost</td> </tr> <tr> <td>(US\$1,000)</td> <td style="text-align: center;">1) 215,000</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">2)</td> <td></td> <td></td> </tr> </table>				Total Cost	Local Cost	Foreign Cost	(US\$1,000)	1) 215,000				2)		
	Total Cost	Local Cost	Foreign Cost														
(US\$1,000)	1) 215,000																
	2)																
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	<ul style="list-style-type: none"> <li>- Negara Pilot Project</li> <li>- Negara Irrigation and Drainage Improvement Project</li> <li>- Upper Negara Agricultural Development Project</li> <li>- Lower Negara Agricultural Development Project</li> </ul>														
5. TYPE OF STUDY	M/P	4. CONDITIONS AND DEVELOPMENT IMPACTS	<p>The completion of the proposed four projects would enable to produce 880,000 tons of paddy annually, and this amount would satisfy the projected production (815,600 tons in 2018) required in the Study Area.</p> <p>In addition, those projects are expected to contribute to foreign currency saving of about US\$76 million and export earnings of US\$39 million.</p>														
6. COUNTERPART AGENCY	Directorate General of Water Resources Development, Ministry of Public Works	5. TECHNICAL TRANSFER															
7. OBJECTIVES OF STUDY	Formulation of the development strategy in Negara River Basin	2. MAJOR REASONS FOR PRESENT STATUS															
8. DATE OF S/W	Jul. 1987	3. PRINCIPAL SOURCES OF INFORMATION	(1)														
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Japan Irrigation and Reclamation Consultants Co., Ltd.																
10. STUDY TEAM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">No. of Members</td> <td style="width: 80%;">10</td> </tr> <tr> <td>Period</td> <td>Mar. 1988 - Jul. 1989 (13 months)</td> </tr> <tr> <td colspan="2">Total M/M</td> </tr> <tr> <td style="padding-left: 20px;">Japan</td> <td style="text-align: right;">74.87</td> </tr> <tr> <td style="padding-left: 20px;">Field</td> <td style="text-align: right;">28.90</td> </tr> <tr> <td style="padding-left: 20px;"></td> <td style="text-align: right;">45.97</td> </tr> </table>	No. of Members	10	Period	Mar. 1988 - Jul. 1989 (13 months)	Total M/M		Japan	74.87	Field	28.90		45.97				
No. of Members	10																
Period	Mar. 1988 - Jul. 1989 (13 months)																
Total M/M																	
Japan	74.87																
Field	28.90																
	45.97																
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY																	
12. EXPENDITURE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Total</td> <td style="width: 80%;">212,012 (¥'000)</td> </tr> <tr> <td>Contracted</td> <td style="text-align: right;">129,819</td> </tr> </table>	Total	212,012 (¥'000)	Contracted	129,819												
Total	212,012 (¥'000)																
Contracted	129,819																

和名 ネガラ河下流域かんがい開発計画

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

## PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASE IDN 104/88

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS				III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Indonesia	1. SITE OR AREA	Java Barat, Java Timur, Lampung and Sulawesi Selatan Provinces			1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Improvement of Rice Post Harvest and Marketing in Farmer Groups	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS					
3. SECTOR	Agriculture/ Agricultural Processing	(US\$1,000)	1) 210,000		210,000	(Description)  Unknown (M/P has just finished in 1990)	
4. REFERENCE NO.			2)				
5. TYPE OF STUDY	M/P	3. MAJOR PROJECT(S) PROPOSED					
6. COUNTERPART AGENCY	Directorate General of Food Crops Agriculture, Ministry of Agriculture (DGFA)	Pilot Plans Pilot Area    Telagasari    Bagor    Mattiro Bulu    Trimurjo 1. Location    Cadas (desas)    Kertajaya    Selorejo    Marannu    Purwodadi 2. Paddy field    119            109            105            157 (ha) 3. Nos. of Farm    172            363            87            254 Family 4. Cropping Intensity Wet season    100%            90%            100%            100% Dry season    100%            80%            70%            100%					
7. OBJECTIVES OF STUDY		4. CONDITIONS AND DEVELOPMENT IMPACTS					
8. DATE OF S/W	Jun. 1988	Conditions: 1. Financial Support by the Government 2. Intensive Investment in Farm Roads and Drainage Canals  Development Impacts: After the implementation of the pilot plan, harvesting and processing losses will be reduced considerably through improvement of post harvest activities. Harvesting cost will also be reduced in significantly by the introduction of improved harvesting system i.e. reaping by organized laborers under cash payment system and effective threshing works by pedal and power threshers through farmer groups' custom service.					
9. CONSULTANT(S)	Nippon Koei Co., Ltd.	5. TECHINCAL TRANSFER					
10. STUDY TEAM	No. of Members    6 Period            Nov. 1988 - Oct. 1989 (12 months)  Total M/M            18.43 Japan                11.09 Field                 7.34	3. PRINCIPAL SOURCES OF INFORMATION					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		(1)					
12. EXPENDITURE	Total                85,077 (¥000) Contracted        80,754	2. MAJOR REASONS FOR PRESENT STATUS					

和名 収穫後処理及び流通改善計画

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

**PROJECT SUMMARY (F/S)**

Compiled March 1991  
Revised

ASO KOR 301/78

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Korea	1. SITE OR AREA		1. PRESENT STATUS	<input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	(Southwest Coast Agricultural Land Reclamation Project)	Kimpo, Sihwa, Hongbo, Puchang, Haenam			
3. SECTOR	Agriculture/ General	2. PROJECT COSTS	Total Cost    Local Cost    Foreign Cost	(Description)	
4. REFERENCE NO.		(US\$1,000) 1) 2) 3)			
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)		Unknown	
6. COUNTERPART AGENCY	ADC	Kimpo District Reclamation area : 4,910 ha Tide Crest : 8 places, 12km Pumping station : 1 place (existing) Drainage : none Irrigation canal : 9.47km Total cost of construction : 23.4 billion Won Period : 3 years IRR : 12.75% 5 other places			
7. OBJECTIVES OF STUDY		Implementation Period:	3~5 years	2. MAJOR REASONS FOR PRESENT STATUS	
8. DATE OF S/W		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR    FIRR 8.75%-12.75%		
9. CONSULTANT(S)		Feasibility:		3. PRINCIPAL SOURCES OF INFORMATION	
10. STUDY TEAM	No. of Members 6 Period  Total M/M Japan Field	Conditions and Development Impacts: This study is to investigate the results of related main projects (by Korean agency) among reclamation development projects in southwest seashore which are to be implemented, to conduct field investigation, and to exchange the view with the persons in charge in related agencies. As a result of the study, those projects in the specific five districts are effective and appropriate as a means to facilitate the gigantic master plan in southwest seashore belt.			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5. TECHINCAL TRANSFER		(1)	
12. EXPENDITURE	Total Contracted 11,555 (¥000)				

## PROJECT SUMMARY (M/P + F/S)

Compiled March 1990  
Revised March 1991

ASE MYS 201A /79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Malaysia	1. SITE OR AREA	Trengganu swamp Area on the eastern part of Peninsula Malaysia (about 600sq.km)		1. PRESENT STATUS	<input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Trengganu Swamp Area Integrated Agricultural Development	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	US\$1=2.2M\$ in 1980 Total Cost    Local Cost    Foreign Cost 1)                    219,500            87,800            131,700 (US\$1,000)        2)		(Description)  Of the districts which were proposed in the master plan, some districts easy of access have been developed here and there. However, those districts are developed by farmers sparing their own funds on a small scale and in unsystematic ways. Formerly, the Japanese Government sent an expert on irrigation and drainage upon request of the Malaysian Government.	
3. SECTOR	Agriculture/ General	3. MAJOR PROJECT(S) PROPOSED	Twenty-four district, which are expected to be highly efficient for the proposed integrated agricultural development, were selected out of 47 swampy districts in the area. The proposed development area: 32,210 ha (the total of 24 districts). The development includes irrigation, fisheries, sericulture, livestock industry and reclamation/immigration.			
4. REFERENCE NO.		4. CONDITIONS AND DEVELOPMENT IMPACTS	The Trengganu state has a population of 500 thousand, a half of which is engaged in agriculture. Most of those agricultural population manage their small farms and 80 percent of them are poor. Reclamation of the swamp area is expected to expand agricultural lands and develop livestock industry, sericulture and fisheries, as well as to create employment opportunities.			
5. TYPE OF STUDY	M/P+(F/S)	5. TECHNICAL TRANSFER	(1) Admittance of two trainees for in-service training in Japan. (2) Transfer of the techniques on soil surveys and chemical/physical analysis of the soil samples through the joint surveys with counterpart agencies of Malaysia.			
6. COUNTERPART AGENCY	Land Development Authority, Central Trengganu Development Authority (KETENGAH)	3. PRINCIPAL SOURCES OF INFORMATION	(1)			
7. OBJECTIVES OF STUDY		2. MAJOR REASONS FOR PRESENT STATUS	The policies of the Malaysian Government which does not accept any loan from the outside to develop agriculture.			
8. DATE OF S/W	Feb. 1978	10. STUDY TEAM	No. of Members    10 Period                Jun. 1979 - Feb. 1980 (9 months)  Total M/M            48.50 Japan                25.00 Field                23.50			
9. CONSULTANT(S)	Taiyo Consultants Co., Ltd.	11. ASSOCIATED AND/OR SUBCONTRACTED STUDY	Soil Analysis			
12. EXPENDITURE	Total                    226,358 (¥000) Contracted              209,427					

和名 トレンガヌ沼沢地農業総合開発計画

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

PROJECT SUMMARY (M/P + F/S)

Compiled March 1990  
Revised March 1991

ASE MYS 201B /79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Malaysia	1. SITE OR AREA	A part of the Trengganu swamp area (about 3,000ha) on the eastern Peninsula Malaysia		1. PRESENT STATUS <input type="checkbox"/> Completed or in Progress <input type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input checked="" type="checkbox"/> Promoting <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Trengganu Swamp Area Integrated Agricultural Development	2. PROJECT COSTS	US\$1=2M\$ as of 1979 Total Cost    Local Cost    Foreign Cost 1)                    20,200            7,900            12,300 (US\$1,000) 2) 3)		
3. SECTOR	Agriculture/ General	3. CONTENTS OF MAJOR PROJECT(S)	Land reclamation                    2,100 ha Irrigation canal                    16.48 km Drainage canal                    29.14 km Road                                    31.6 km Facilities for settlement            705 houses		(Description)  The Malaysian Government has given a top priority to this project, and the Japanese Government in response sent a survey team. However, the Malaysian Government had to curtail the investments in agricultural and rural development projects due to its financial difficulties caused by some adverse trends in the export including stagnation of the international price of petroleum in late 1980s. Because of this it can not utilize loan for agricultural development. However, small scale development in the swamp area are implemented by their own funds.
4. REFERENCE NO.		Implementation Period:	1980 - Dec.1984		
5. TYPE OF STUDY	(M/P)+F/S	4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR                    FIRR 13.84-17.14		
6. COUNTERPART AGENCY	Land Development Authority Central Trengganu Development Authority (KETENGAH)	Feasibility:			
7. OBJECTIVES OF STUDY		Conditions and Development Impacts:	Benefits from development: Raising income of small-scale farmers. Creation of employment opportunities. Alleviation of damages by flooding.		
8. DATE OF S/W	Feb. 1978	5. TECHNICAL TRANSFER	(1) Admittance of two trainees for in-service training in Japan (2) OJT		
9. CONSULTANT(S)	Taiyo Consultants Co., Ltd. Pacific Consultants International	12. EXPENDITURE	Total                    226,358 (¥'000) Contracted            209,427		
10. STUDY TEAM	No. of Members 26 Period                Aug. 1978 - Mar.1979 (8 months)  Total M/M Japan Field	2. MAJOR REASONS FOR PRESENT STATUS	As mentioned above		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		3. PRINCIPAL SOURCES OF INFORMATION	(1)		

## PROJECT SUMMARY (F/S)

Compiled    March 1990  
Revised    March 1991

ASE MYS 301/87

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Malaysia	1. SITE OR AREA	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing		
2. NAME OF STUDY	Tanjong Karang Irrigation Development Management Project	2. PROJECT COSTS			
3. SECTOR	Agriculture/ General	Total Cost    Local Cost    Foreign Cost (US\$1,000)    1)    2)    3)		(Description)  1. Project is under implementation by the Executing Agency of Malaysia and about 80% of the works were already completed (as of 1990.1). 2. D/D was made by DID. Original Construction cost was M\$ 27,000,000. 3. Till 1990 about M\$44,300,000 was used including updating of D/D and price hike	
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)			
5. TYPE OF STUDY	F/S	1. Irrigation area: 18,980ha 2. Rehabilitation/Improvement of the existing irrigation system (1) Berunam head race: Heightening of regulation gate, electrical operation of gate, etc. (2) Main canal: Widening of canal section, construction of water control facilities, etc. (3) Secondary canal: Construction and heightening works. (4) Distribution Canal: Concrete lining of canal, rehabilitation of check gates and weir (5) Farm road: Extension of farm road network (457 km) 3. Procurement of O/M Apparatus			
6. COUNTERPART AGENCY	Department of Irrigation and Drainage (DID) Ministry of Agriculture	Implementation Period: 1987 - 1990			
7. OBJECTIVES OF STUDY	F/S	4. FEASIBILITY AND ITS ASSUMPTIONS			
8. DATE OF S/W	Mar. 1986	EIRR    FIRR Feasibility: Conditions and Development Impacts: Benefit with Project: Increase of yield of paddy rice, Increase of farmers economy, Increase of rice production.			
9. CONSULTANT(S)	Nippon Koei, Co., Ltd. Kyowa Consultants	5. TECHINCAL TRANSFER			
10. STUDY TEAM	No. of Members 11 Period May. 1986 - Jun. 1987 (14 months)  Total M/M 80.00 Japan 35.80 Field 44.20	1. Invite 2 C/P 2. OJT			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE			
		Total 221,818 (¥000) Contracted 204,089			

和名 タンジョンカラン灌溉計画

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

## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASO MYN 301/78

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT		
1. COUNTRY	Myanmar	1. SITE OR AREA	74,000acre southwest of Prome City, left bank of Irrawaddy River, 160 miles north northwest of Rangoon, population 96000		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Implementing <input type="checkbox"/> Discontinued or Cancelled <input type="checkbox"/> Processing	
2. NAME OF STUDY (South Nawin Irrigation Project)		2. PROJECT COSTS	Total Cost	Local Cost			Foreign Cost
3. SECTOR				1) 7,900	2,900	5,000	
Agriculture/ General				(US\$1,000) 2) 88,000	36,600	51,400	
3. SECTOR				3)			
4. REFERENCE NO.		3. CONTENTS OF MAJOR PROJECT(S)			(Description)  1.D/D 1981.1.9 L/A ¥250 million D/D was conducted by Sanyu Consultants Inc. as main consultants with Chuo Kaihatsu Corporation with OECF loan from 4/25/83 to 4/24/84. 2.S/V 1985.5.21 L/A ¥8.15 billion S/V started with OECF loan from Nov.1986. Consultants were joint team of Sanyu Consultants Inc. and Chuo Kaihatsu Corporation. It was suspended from June 1988 to October 1989 due to some reasons of the Government, and it started again and is extended till Mar.1984 to be completed.  (No. of consultant staffs : 18) *As for South Nawin Irrigation and Drainage End Facilities Project, basic study and detail design were conducted in 1980, and construction was implemented from 1981 to 1982. 1980.8.28 E/N ¥873 million		
5. TYPE OF STUDY		Irrigation : first crop (paddy) 24,000ha second crop (farm) 14,400ha, total 38,400ha					
6. COUNTERPART AGENCY		Main facilities					
Ministry of Agriculture & Forests, Irrigation Department		1.Main dam : earth dam 43m high, 5,082mlong, 5.68 million cu.m capacity					
7. OBJECTIVES OF STUDY		2.Intake discharge dam : earth dam 20.9m high, 945m long, 1.22 million cu.m capacity					
		3.Power generation : Kaplan type 2,600 kv A X 1 unit					
		4.Irrigation canal 336km					
		5.Drainage canal 201.7km					
		6.Field improvement					
		Note: cost 1) above is for pilot project and 2) is for whole projects.					
8. DATE OF S/W		Implementation Period:					
Dec.1978		1979 - 1988					
9. CONSULTANT(S)		4. FEASIBILITY AND ITS ASSUMPTIONS		EIRR	FIRR		
Sanyu Consultants Inc. Chuo Kaihatsu Corporation				13.5%			
10. STUDY TEAM		Feasibility: Yes				2. MAJOR REASONS FOR PRESENT STATUS	
No. of Members 12 Period Jan.1979 - Mar.1980 (15 months)		Conditions and Development Impacts:					
Total M/M Japan Field		These areas have been left behind from development of modern social economy and agricultural productivity remains very low because there is no irrigation water resource available through the year aid agricultural basic facilities to conduct modern agriculture management.					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		This project plans to secure irrigation water through utilizing natural environment, increase agricultural productivity by improving agriculture promotion, and improve living standard of people there by increasing all year employment opportunities.					
		5. TECHINCAL TRANSFER				3. PRINCIPAL SOURCES OF INFORMATION	
12. EXPENDITURE		(1)Acceptance of one trainee					
Total 163,130 (¥000)		(2)Supply of equipments and training of how to use them					
Contracted 130,809		(3)Cooperation in writing a report					

和名 南ナウインかんがい計画

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

**PROJECT SUMMARY (M/P)**

Compiled March 1990  
Revised March 1991

ASO MYN 101/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Myanmar	1. SITE OR AREA	2,900,000ha in the mid-stream basin of Irrawaddy River		1. PRESENT STATUS <input checked="" type="checkbox"/> In Progress or In Use <input type="checkbox"/> Delayed <input type="checkbox"/> Discontinued
2. NAME OF STUDY	Irrawaddy Basin Integrated Agricultural Development Project	2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost	Local Cost	
3. SECTOR	Agriculture/ General		(US\$1,000)	1) 2,020,000	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED	Irrigation project by dams in 26 sites (including small waterpower generation) Road project Accomplishment of dry farm land in swamp Improvement of pilot field Husbandry promotion project		
5. TYPE OF STUDY	M/P	4. CONDITIONS AND DEVELOPMENT IMPACTS	Expansion of food crop production centering on rice is planned by irrigation through constructing dams in 26 sites. Rise in living standard and income of farmers family is planned by promoting agriculture with husbandry and introducing fishery in reservoir ponds.		
6. COUNTERPART AGENCY	Ministry of Agriculture and Forestries	5. TECHINICAL TRANSFER	1. Acceptance of two trainees 2. Establishing observation equipment of weather and water condition, and training of how to use them 3. Cooperation in writing a report		
7. OBJECTIVES OF STUDY		12. EXPENDITURE	Total	293,115 (¥000)	
8. DATE OF S/W	Oct. 1977		Contracted	243,519	
9. CONSULTANT(S)	Sanyu Consultants Inc.	2. MAJOR REASONS FOR PRESENT STATUS			
10. STUDY TEAM	No. of Members 14 Period Feb. 1978 - Mar. 1980 (26 months)  Total M/M 55.36 Japan 31.73 Field 23.63	3. PRINCIPAL SOURCES OF INFORMATION	(1)		
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					

和名 イラワジ川流域農業総合開発計画

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



PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASO MYN 302/79

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT	
1. COUNTRY	Myanmar	1. SITE OR AREA	Kanaungtoe, Bassein, Kyduktaga, Kawa, Hlegu, Danubyu, Einme, Deddye		1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input checked="" type="checkbox"/> Completed <input type="checkbox"/> Implementing <input type="checkbox"/> Processing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Discontinued or Cancelled
2. NAME OF STUDY	Rice Mill Project	2. PROJECT COSTS	US\$1=6.5K.=200Yen			
3. SECTOR	Agriculture/ Agricultural Processing		Total Cost	Local Cost	Foreign Cost	(Description)  Detailed Design: Jan.1981-Feb.1982 (By OMIC) Loan: 4.35 Billion Yen (OECF L/A No.BP-14,Dec.24.1979) Construction: Started Dec.1982,Completed Dec.1984 -6 Rice mills of 7 tph capacity 2 Rice mills of 10 tph capacity -parts manufacturing plant Rubber roll manufacturing facility, one unit Abrasive roll manufacturing facility, one unit -Power generating unit utilizing husk, paddy warehouse, and paddy unloading equipment were installed as ancillary equipment of rice mills.  After completion, the project was evaluated as very effective in the improvement of national economy. Therefore, Myanmar government planned to build 3 large scale rice mills exclusive for producing rice for export utilizing the remaining of OECF loan. This successive project has been suspended due to unstable political situation after 1988, although detailed design by the consultant had been completed.
4. REFERENCE NO.			1)	43,715	21,950	
5. TYPE OF STUDY	F/S		2)		21,765	
6. COUNTERPART AGENCY	Ministry of Trade	3. CONTENTS OF MAJOR PROJECT(S)	3)			
7. OBJECTIVES OF STUDY		1.Rice Mill 7 tph ----- 6 units 10 tph ----- 2 units				
8. DATE OF S/W		2.Generator, Powerstation, Transmitter				
9. CONSULTANT(S)	Overseas Merchandise Inspection Co.,Ltd.	3.Paddy Warehouse (1,000ton) ----- 8 units				
10. STUDY TEAM	No. of Members 9 Period Jan.1979 - Aug.1979 (8 months)	4.Parts manufacturing equipment				
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		5.Grain unloading equipment				
12. EXPENDITURE	Total 72,813 (¥000) Contracted 70,733	Implementation Period:				
		4. FEASIBILITY AND ITS ASSUMPTIONS	EIRR	FIRR		
		Feasibility: Yes	21.4%			
		Conditions and Development Impacts:				
		Development Impacts: Newly built rice mills improve quality and quantity of milled rice. It has the profound meaning to the country like Myanmar, where rice is the mainstay of her national economy and national finance relies greatly on rice exports.				
		5. TECHINCAL TRANSFER				
			2. MAJOR REASONS FOR PRESENT STATUS			
			Increased of milled rice and quality improvement of milled rice are significant in the national finance of Myanmar. As a result, very high priority among various development plans was given to this project.			
			3. PRINCIPAL SOURCES OF INFORMATION			
			(1)			

和名 ライスミル建設計画

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



## PROJECT SUMMARY (M/P)

Compiled March 1990  
Revised March 1991

ASO NPL 101/89

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS		III. PRESENT STATUS OF USE OF STUDY RESULTS	
1. COUNTRY	Nepal	1. SITE OR AREA		1. PRESENT STATUS	
2. NAME OF STUDY		Gulmi, Arghakhanchi, Kapilvatsu and Marchawar area of Rupandehi district		<input checked="" type="checkbox"/> In Progress or In Use	
Integrated Rural Development Project in the Lumbini Zone		2. COSTS OF PROPOSED PLAN OR MAJOR PROJECTS	Total Cost    Local Cost    Foreign Cost	<input type="checkbox"/> Delayed	
3. SECTOR		(US\$1,000)                      1)                      136,000		<input type="checkbox"/> Discontinued	
Agriculture/ General				(Description)  Nepal Government may request the Rajikaduwa Project on grant aid basis to Japanese Government.	
4. REFERENCE NO.		3. MAJOR PROJECT(S) PROPOSED			
5. TYPE OF STUDY	M/P	1. Irrigation Rajikaduwa : 2,400 ha (Rehabilitation) 2. Rural Road Two (2) Roads : Total 144km (Improvement) 3. Water Supply 2 locations 4. Agriculture 1) Extension Service 25 locations 2) Livestock Service 31 locations 5. Strengthening of Plan Implementation Capacity 1) Standardization of the plan implementation process 2) Human resources development 3) Local finance resources mobilization			
6. COUNTERPART AGENCY	Ministry of Panchayat and Local Development				
7. OBJECTIVES OF STUDY					
8. DATE OF S/W	Jun. 1988	4. CONDITIONS AND DEVELOPMENT IMPACTS			
9. CONSULTANT(S)	Nippon Koei Co., Ltd. Hokkaido Consultants Co., Ltd.	1. The basic needs of the people, being the national policy, will be improved through the implementation of these projects 2. Increasing income and raising of living standards.			
10. STUDY TEAM					
No. of Members 10 Period Sep. 1988 - Nov. 1989 (15 months)  Total M/M 52.91 Japan 21.32 Field 31.59					
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY					
		5. TECHNICAL TRANSFER			
12. EXPENDITURE				2. MAJOR REASONS FOR PRESENT STATUS	
Total 193,376 (¥000) Contracted 180,337					
				3. PRINCIPAL SOURCES OF INFORMATION	
				(1)	

和名 ルンビニ県農村総合開発計画

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

## PROJECT SUMMARY (F/S)

Compiled March 1990  
Revised March 1991

ASO PAK 301/82

I. OUTLINE OF STUDY		II. SUMMARY OF STUDY RESULTS			III. PRESENT STATUS OF STUDIED PROJECT															
1. COUNTRY	Pakistan	1. SITE OR AREA			1. PRESENT STATUS	<input checked="" type="checkbox"/> Completed or in Progress <input type="checkbox"/> Promoting <input type="checkbox"/> Completed <input checked="" type="checkbox"/> Implementing <input type="checkbox"/> Delayed or Suspended <input type="checkbox"/> Processing <input type="checkbox"/> Discontinued or Cancelled														
2. NAME OF STUDY	Agricultural Development Project with Widening of Pat Feeder Canal	Kachhi Plain, Baluchistan Province (Head of Indus River) Area 250,000 sq.m																		
3. SECTOR	Agriculture/ Irrigation, Drainage, & Reclamation	2. PROJECT COSTS			(Description)															
4. REFERENCE NO.		<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Total Cost</td> <td style="text-align: center;">Local Cost</td> <td style="text-align: center;">Foreign Cost</td> </tr> <tr> <td style="text-align: center;">1)</td> <td style="text-align: center;">3,196,810</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2)</td> <td style="text-align: center;">4,172,000</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3)</td> <td></td> <td></td> <td></td> </tr> </table>						Total Cost	Local Cost	Foreign Cost	1)	3,196,810			2)	4,172,000			3)	
	Total Cost	Local Cost	Foreign Cost																	
1)	3,196,810																			
2)	4,172,000																			
3)																				
5. TYPE OF STUDY	F/S	3. CONTENTS OF MAJOR PROJECT(S)			1987.9.18 OECF L/A 1,551 billion yen (co-finance with ADB) Co-finance was made with ADB for the foreign cost of construction. An English company, Sir MacDonald & Partners Ltd. received the order of consulting and the project is currently under construction.															
6. COUNTERPART AGENCY	Ministry of Economy, Baluchistan Provincial Bureau of Water Power Generation	-Desert Pat Feeder canal : 11.1km Pat Feeder canal : 187.2 km Extension of Distributaries : 375 km -Improvement and Construction of related canal structure -Construction of minor canal: 1,224km -Aerial survey  Note: Cost 1) above is for case 3 and 2) is for case 4.																		
7. OBJECTIVES OF STUDY		Implementation Period: Jun.1982 - Dec.1982			2. MAJOR REASONS FOR PRESENT STATUS															
8. DATE OF S/W	Feb.1982	4. FEASIBILITY AND ITS ASSUMPTIONS																		
9. CONSULTANT(S)	Sanyu Consultants Inc.	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">EIRR</td> <td style="text-align: center;">FIRR</td> </tr> <tr> <td></td> <td style="text-align: center;">16.0% case 3</td> <td style="text-align: center;">14.6% case 4</td> </tr> </table> Feasibility:  Conditions and Development Impacts: Conditions: Opportunity cost of capital 12.5% Development Impacts: Planting will be done in 60% or 50% of the field in each planting period in the district of 250,000ha.				EIRR	FIRR		16.0% case 3	14.6% case 4	3. PRINCIPAL SOURCES OF INFORMATION									
	EIRR	FIRR																		
	16.0% case 3	14.6% case 4																		
10. STUDY TEAM	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>No. of Members</td> <td style="text-align: center;">12</td> </tr> <tr> <td>Period</td> <td style="text-align: center;">Feb.1982 - Jan.1983 (12 months)</td> </tr> <tr> <td>Total M/M</td> <td style="text-align: center;">47.80</td> </tr> <tr> <td>    Japan</td> <td style="text-align: center;">28.70</td> </tr> <tr> <td>    Field</td> <td style="text-align: center;">19.10</td> </tr> </table>	No. of Members	12	Period	Feb.1982 - Jan.1983 (12 months)	Total M/M	47.80	Japan	28.70	Field	19.10	5. TECHINCAL TRANSFER			(1)					
No. of Members	12																			
Period	Feb.1982 - Jan.1983 (12 months)																			
Total M/M	47.80																			
Japan	28.70																			
Field	19.10																			
11. ASSOCIATED AND/OR SUBCONTRACTED STUDY		12. EXPENDITURE																		
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">127,561 (¥000)</td> </tr> <tr> <td style="text-align: center;">Contracted</td> <td style="text-align: center;">119,996</td> </tr> </table>			Total	127,561 (¥000)	Contracted	119,996												
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和名 バットフィーダー水路拡張計画

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



