PROCEEDING OF
THE FIFTH WORKING LEVEL CONSULTATION MEETING
ON
PROMOTION OF MAJOR FOOD CROPS PRODUCTION

JAKARTA

JUNE 26, 1989

REPORT OF

THE FIFTH WORKING LEVEL CONSULTATION MEETING

ON

PROMOTION OF MAJOR FOOD CROPS PRODUCTION

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CONLUSION

C O N C L U S I O N

1. The Fifth Working Level Meeting on Promotion of Major Food Crops Production Programme has been held on June 26, 1989 in order to review the cooperation under the "Umbrella Programme" between Government of Japan and Government of Indonesia (Ministry of Agriculture, Ministry of Cooperatives and Ministry of Public Workes).

2. Progress of respective projects has been reported by the representativities form Government's involved agencies.

3. The project proposal, to be submitted to the Government of Japan should be at first discussed among the agencies concerned to enhance and important project system.

4. The meeting agreed that news project proposal, should be based on programme model approach .

5. In preparing project proposals, the support of the three commodities i.e. rice, soybean and potato have to be given priority.

6. The involved agencies have to resume of to provision of adequate counterpart budget.

7. As The Promotion of Food Crops Production Program will terminate by the end of March 1991, the on going projects should be implemented in time and should be given priority .

8. The new cooperation scheme which will be expected to come after "The Promotion of Major Food Crops Production" should be started to discuss now. There is a felt need to extend the Promotion of Food Crops Production Programme to maintain rice self sufficiency and to promote production and processing of other food crops. Early discussion and plan formulation on this matter would be helpful.

PROCEEDING OF
THE FIFTH WORKING LEVEL CONSULTATION MEETING
ON
PROMOTION OF MAJOR FOOD CROPS PRODUCTION

JAKARTA

JUNE 26, 1989

AGENDA

A G E N D A
FIFTH WORKING LEVEL CONSULTATION MEETING
ON
PROMOTION OF MAJOR FOOD CROPS PRODUCTION
JAKARTA, JUNE 26, 1989

NO.	T I M E	A G E N D A	S P E A K E R
1.	09.00 - 09.10	Opening Remarks	- Dirrrector General of Food Crops Agriculture
	09.10 - -9.20		- First Secretary Embassy of Japan.
2.		Review of the Cooperation on the Promotion of Major Food Crops Production (Dec. 88 June '89)	
	09.20 - 10.00	a. Review of the Cooperation on Food Crops Production and its Research.	- Director, Food Crops Programme Development, DGFCA, MOA.
	10.00 - 10.40	b. Review of the Cooperation on Irrigation.	- Directorate General of Irrigation. MOPW.
	10.40 - 11.20	c. Review of the Cooperation on Cooperative.	- Secretary, Directorate General of Business Promotion for Cooperation, MOC.
	11.20 - 12.00	d. Comment on the Review of the Cooperation of the Promotion of Major Food Crops Production.	- Mr. M. S a t o
3.	12.00 - 13.00	L u n c h	
4.		Future Project Proposal for 1990/1991 :	
	13.00 - 13.30	a. Future Project Proposals for Food Crops Production.	- Director, Food Crops Programme Development

	13.30 - 14.00	b. Future Project Proposals for Cooperatives.	- Secretary, Directorate General of Business Promotion, for Cooperation, MOC.
	14.00 - 14.30	c. Future Project Proposals for	- Directorate General of Irrigation, NOPW.
	14.40 - 15.00	d. Comment of Future PRoject Proposals.	- Embassy of Japan - J I C A
5.	15.00 - 15.50	O t h e r s	- F l o o r
6.	15.50 - 16.00	Conclusion	- Director, Bureau of Planning, Ministry of Agriculture.

PARTICIPANTS LIST

PARTICIPANT LIST OF THE FIFTH WORKING LEVEL
CONSULTATION MEETING ON PROMOTION OF MAJOR FOOD CROPS
PRODUCTION PROGRAMME

JAKARTA, JUNE 26, 1989

I. INDONESIAN PARTICIPANTS

NO.	N A M E	I N S T I T U T I O N
1.	A. Muin Pabinru	Director General of Food Crops Agriculture.
2.	Abdurrahman Daud Rusydi	Secretary Directorate General of Food Crops Agriculture
3.	Abu Haerah	Director, Directorate of Programme Development, Directorate General of Food Crops Agriculture.
4.	Murasa Sarkaniputra	Bureau of Planning, Ministry of Agriculture.
5.	I Wayan Sidya	Bureau of Planning, Ministry of Agriculture.
6.	Suharyo Husein	Bureau of International Cooperation Ministy of Agriculture
7.	Rismansyah	Bureau of International Cooperation Ministry of Agriculture.
8.	Hardjanto Sosroharsono	Directorate of Programme Development, Directorate of Food Crops Agriculture.
9.	Idrus Alwi	Directorate of Programme Development, Directorate General of Food Crops Agriculture.
10.	Achmad Fuadi	Directorate of Programme Development, Directorate General of Food Crops Agriculture.
11.	M. Rais. Z.	Directorate of Food Crops Protection, DGFCA.
12.	Yusmin	Directorate of Food Crops Protection, DGFCA.
13.	Joeli Hartono	Directorate of Food Crops Protection, DGFCA.

NO.	N A M E	I N S T I T U T I O N
14.	Suparman Hamid	Directorate of Food Crops Production, DGFCA.
15.	Muchlizar	directorate of Food Crops Production, DGFCA.
16.	A. Chatib	Directorate of Food Crops Production, DGFCA.
17.	Lili Waliyah	Directorate of Horticulture, DGFCA.
18.	Amir Panji	Directorate of Horticulture DGFCA
19.	Tarkim S.	Directorate of Food Crops Extension, DGFCA.
20.	Arifin A.	Directorate of Food Crops Economics, DGFCA.
21.	Dadang	Directorate of Food Crops Economics, DGFCA.
22.	M. Munawir	Director of Food Crops Area Expansion, DGFCA.
23.	Daud Brahmana	Directorate of Food Crops Expansion, DGFCA.
24.	Machmud	Directorate of Food Crops Expansion, DGFCA.
25.	Achmad Syarifuddin K	Head of Research Institute for Food Crops in Bogor
26.	Mapparna	Agency for Agricultural Research and Development (AARD).
27.	A. Chotib	Directorate General of Business Promotion for Cooperation, Ministry of Cooperative.
28.	Mamiet Maryono	Director, Directorate General of Business Promotion for Cooperation Ministry of Cooperative

NO.	N A M E	I N S T I T U T I O N
29.	Maurat	Directorate General of Business Promotion for Cooperation, Ministry of Cooperative.
30.	Djuludan	Directorate General of Business Promotion for Cooperation, Ministry of Cooperative.
29.	Bambang Prayitno	Directorate of Programme Development, Directorate General of Irrigation.
30.	Rusnadi R.	Bureau of Agriculture and Irrigation, BAPPENAS.
31.	Kusnandar	Directorate of Programme Development, DGFCA.
32.	Agus Solihin	As above.
33.	Sukarman	As above.
34.	Sri Wijayanti	As above.
35.	Soleilla	As above.
36.	Reni Miharti	As above.

II. JAPANESE PARTICIPANTS

NO.	N A M E	I N S T I T U T I O N
1.	M. A i b a	Resident Representative JICA Indonesia Office.
2.	M. S a t o	Expert to the Cooperation on Promotion of Major Food Crops Production.
3.	K. Sawada	Expert to the Cooperation on Promotion of Major Food Crops Production.
4.	M. I r i e .	Project Leader of ATA - 220
5.	T. Igarashi	Project Leader of ATA - 378
6.	S. N a s u	Project Leader of ATA - 162
7.	Y. Yoshizumi	Expert to Ministry of Cooperatives
8.	K. Kimura	Expert to Ministry of Public Works
9.	A. Kubota	Expert to Water Management.
10.	M. N e z u	Expert to Food Crops Extension

OPENING REMARKS

OPENING REMARKS

BY

DIRECTOR GENERAL OF FOOD CROPS AGRICULTURE

IN THE OCCASION OF

THE FIFTH WORKING LEVEL CONSULTATION MEETING

GOVERNMENT OF INDONESIA-JAPAN INTERNATIONAL COOPERATION AGENCY

(J I C A)

Distinguished Guest

Ladies and Gentlement,

On behalf of the Government of Indonesia I would like to welcome all participants, especially the Japanese Delagation, headed by Mr. AIBA representing the First Secretary, Embassy of Japan, and his colleagues, JICA Officials, JICA Experts and representatives from Government involved agencies comprises Ministry of Agriculture, Ministry of Cooperative, Directorate General Water Resources Development, Ministry of Public Works and BULOG (National Logistic Agency).

This is the Fifth Meeting between Indonesia and Japanese Government concerning Japanese Assistance in various activities under the Umbrella Programme Promotion of Major Food Crops Production. The purpose of this meeting, as we are all aware is to review the past and the on going Japanese assistances and to discuss the possible assisted projects that have been proposed.

Ladies and Gentlement,

The Japanese Government, has been constantly paying considerable attention to agriculture development. Therefore, we could expect to having more assistance in various activities dealing with intensification, the utilization of sleeping lands to further increase food crops production particularly rice, soybean, maize and some horticulture commodities. It is important to note that by the end of Repelita V Indonesia should attain self sufficiency in maize and soybean. For that purpose, the better use of dry land is a must. Farm mechanization and pump irrigation are among the essential efforts should be taken. Therefore, it would be highly appreciated if these aspects could be accomodated in the coming projects.

Ladies and Gentlement,

It is my sincere hope that all matters discussed in this meeting would bring fruitful cooperation between the two countries.

Ladies and Gentlement,

With this, allow me to declare "The Fifth Working Level Consultation Meeting" open.

Thank You

Director General of Food Crops

Agriculture

Memorandum by the First Secretary Mr.Goichiro Yukawa
At The Fifth Working-level consultation Meeting
On Promotion of Major Food Crops Production

Distinguished Participants from
The National Developement Planning Board (BAPPENAS),
The Cabinet Secretariat (SEKKKAB),
The Department of Agriculture,
The Department of Public Works,
The Department of Cooperatives,
The JICA Office,
And the JICA experts

Since I can not attend this important meeting I wrote this paper. I would be very glad if you would kindly take this paper into consideration for the discussion today.

1.Review

Since we met on December 5, 1988, we have made some progress in our cooperation. The exchanging of notes for "The Program for The Increase of Food Production (2KR) for the fiscal year 1988" and the general grant aid for "Tha Pemali River Irrigation" were done on December 20, 1988 and on April 7, 1989 respectively. Other program and projects are also proceeding.

2.Prospect

For future prospect we will also make some progress which will be pronounced at the 13th Annual Consultation Meeting next week. For the grant aid project I have the pleasure to say that the basic design study team for the pilot project for the mutiplication and distribution of high quality seed potato will come soon. The realization of the project will be possibly in 1991 or earlier.

3.Implementation of the Present Projects

For the implementation of the on-going projects, especially project-type technical cooperation, I hear about some problem. Some projects are sufferring from shortage of counter budget, and some from lack of counter parts. Since this is not only

cases of agriculrtural cooperation, the Japanese mission for the Consultatioon will take up this matter as a subject at the meeting.

4.Project Proposals

Concerning project proposals for this fiscal year I would like to say same comments.

(1)For this fiscal year we received many proposals. (24 proposals for grant aid, 28 for developement survey, 9 for project-type technical cooperation in agricultural and irrigation sector) However some of them lack terms of references. We could not consider proposals without TOR. I would further appriciate if you could kindly attach the list of priority of the long list of proposals.

(2)The project proposal for 2KR has items which we can not accept automatically. Vehicles are difficult item because their usage can not be limited to agricultural activities. Request of fertilizer which is already exported from Indonesia is also unacceptable. Now, concerning 2KR we have a plan to make 2KR projects to be combined more strongly with the existing projects (cooperational or not cooperational project).

5.Matters I hope to be discussed today

(1)Priority of projects with reference to the REPERITA V

We should reconsider the priority of the projects to be realized in next five years according to the policy priority in agriculture and irrigation sector in the REPELITA V.

(2)Consideration for the Next Cooperation after 1990.

The scheduled period for the cooperation for the promotion of major food crops production will terminate in March 1991. We should prepare and discuss for the possibility of next cooperation.

Wishing fruitful discussion for the promotion of our cooperation.

Goichiro Yukawa
First Secretary
(Agriculture)
Embassy of Japan

REVIEW OF THE PROGRESS ON MAJOR FOOD CROPS PRODUCTION PROGRAMME FROM JULY 19, 1986 TO JUNE 20, 1989

REVIEW OF THE PROGRESS ON MAJOR FOOD CROPS PRODUCTION PROGRAMME

FROM JULY 19, 1986 TO JUNE 20, 1989

	FIELD	TYPE OF ASISSTANCE	PROJECT	PERIOD OF IMPEMENTATION	TOTAL AMOUNT ASSISTANCE (Y) MILLION	REMARKS
1	2	3	4	5	6	7
I.	Multiplication and Distribution of Improved Seed	Expert	1. Individual Expert for Seed Certification	-	P.M	Under preparation of the request.
		Expert	2. Two Individual Experts for Rehabilitation on Seed Processing Unit	1989 - 1990	P.M	The proposal was submitted to G/J in September 1987. The expert wil be dispatched.
		Expert	3. Expert for Potato Seed Improvement (AARD)	1987 - 1988	P.M	The proposal was submitted to G/J in November 1987. Mr. MIURA was engaged in Lembang Horticulture Research.
		Project	4. Strengthening of Pioneering Research for Palawija Crop Production (ATA-378) (AARD)	1986 - 1991	P.M	The project has been conducting since April 1, 1986 to March 31, 1991
		Project	5. Seed Potatoes Multiplication and Distribution Project	-	P.M	Joint project of DGFCA and AARD. The proposal was submitted to G/J in October 1988.

1	2	3	4	5	6	7
		Project	6. Soybean Seed Multiplication and Distribution Project	-	P.M	The proposal was submitted to SETKAB in April 1988.
		Survey	7. Master Plan Study on the Soybean and Seeds Potato Production Project	1987 -	P.M	Scope of work was signed in March 30, 1987. The study was conducted from July 6 to September 25, 1987. Final report was submitted to G/I in December 1987.
		Seminar	8. The Seminar on Soybean and Potato Seed Multiplication and Distribution	1987 -	10	Two days seminar was held on November 23 - 24, 1987 related to above master plan study.
		F.G. 1987/1988	9. Seed Multiplication Equipment Supplementary Equipemt for Seed Technology Laboratory and Pilot Processing Unit for Staple Food	1987 - 1988	226	The proposal was submitted to E/J in November 1987. Exchange of Note was signed on April 25, 1988. All equipments were provided by March 1989.
		G.G.	10. Construction for Palawija Crops Production Project (ATA - 378) (AARD)	1987 - 1988	387	Basic design was conducted in October 1986. Draft of B/D report was submitted to G/J in March 1987. Construction work completed in November 1988.

1	2	3	4	5	6	7
		G.G.	11. Pilot Project for Multiplication and Distribution of High Quality Seed Potato Potato	-	P.M	Joint Project DGFCA and AARD. The proposal was submitted to G/J in June 1988 and again in January 1989.
		G.G.	12. Pilot Project for Multiplication and Distribution of Improved Soybean Seed	-	P.M	The project was registered in Blue Book 1988 (ATA-445). The proposal was submitted to G/J in June 1988 and again in January 1989.
		LOAN	13. Construction for Seed Processing Centre (5 Provinces in the first phase)	1985 -	3,000	Loan agreement was signed in February 15, 1985. A proposal for re-study was approved by OECF in October 1986. The re-study was conducted and the final report was submitted to G/I on Dec.19, 1987. The project implementation started from June 6, 1989 and will be completed its first phase in June 1991.
II.	Strengthening of Crops Protection.	Project	1. Plant Protection Project (ATA-162) (Extension Period)	June 1985 - March 1987	500	As results of joint evaluation study conducted on January 1985, the project extended up to March 1987.
		Project	2. Food Crop Protection Project (ATA-162) (Phase II)	April 1987 - March 1992	P.M	Based on R/D signed in February 1987, the project (Ph II) started from April 1, 1987. Dr. NASU (leader) and 4 experts are engaged in the project.

1	2	3	4	5	6	7
		F.G. 1986/1987	3. Pesticide Supply for Crops Protection Brigades	1986 - 1987	2,200	The E/N was signed in December 1986 Contract of Supplying of Pesticide was signed on January 1987, and in February 1987. Delivery of Pesticide was completed.
		F.G. 1988/1989	4. Improvement of Food Crops Protection Scheme	1988 - 1989	108	The revised proposal was submitted to SETKAB in June 1988. The E/N was signed in Dec. 1988. The contract will be signed soon.
		F.G. 1989/1990	5. Development of Food Crops Production through Fertilizer *Application and Plant* Protection	1989 - 1990	(85)	Proposal was submitted to G/J in May 1989.
		G.G. 1985/1986	6. Rice Pest Forecasting and Control (ATA - 389) (Ph I) (1) Construction of Pest Forecasting Centre (JATISARI) (2) Rice Pest Forcasting and Control Project (Construction 3 Provinces)	1985 - 1986	2,060	The B/D team was dispatched from September to October 1985. The E/N was signed in February 1986. Construction works was completed in March 1987.
		G.G. 1986/1987	7. Rice Pest Forecasting and Control (Construction 1 Province), Equipment (4 Provinces)	1987 - 1988	1,330	The E/N was signed in August, 1986. Construction works and delivery of equipment were completed in March 1988.

1	2	3	4	5	6	7
		G.G. 1987/1988	8. Rice Pest Forecasting and Control (ATA-389) (Ph III) (6 Provinces)	1988 - 1989	1,978	Basic design study was conducted from December 1986 to January 1987. Draft report of Basic Design was submitted to G/I in March 1987. Exchange of Notes was signed in July 2, 1987. Constructios works were completed in March 1989.
III.	Regional Application Trial and Demonstration of Agric. Technology	Expert	1. Individual Experts (2) for Soybean and Potato Production	-	P.M	The proposal was submitted to G/J in September 1987. Dr. NEZU is engaged in Directorate of Extension (soybean).
		Project	2. Middle Level Technician Training Project (Follow up)	1986 - 1988	P.M	As a results of joint evaluation conducted in 1985 the project was continued to March 1988 as follow up. Japanese Cooperation Terminated in March 1988.
		Project	3. Project for Strengthening Food Crops Extension in Transferring Technology	-	P.M	The proposal was submitted to SETKAB in September 1988.

1	2	3	4	5	6	7
IV.	Irrigation and Water Management		(Ministry of Agriculture)			
		Expert	1. Individual Expert for Water Management	1987 -	P.M	Mr. A. KUBOTA is engaged in Directorate of Agricultural Area Development (Water Management).
		Expert	2. Individual Expert for Riam Kanan Pilot Scheme	-	P.M	The request was submitted to G/J.
		Expert	3. Individual Expert for Ground Water (Short Term).	1988 -	P.M	Two experts were dispatched from September to December 1988.
		Survey	4. Programme Formulation of Village Irrigation for Upland and Sawah Areas	-	P.M	The proposal was submitted to G/J in January 1989.
		Survey	5. Soil and Water Conservation Studies for Promotion Dryland Food Crops Production	-	P.M	The proposal was submitted to SETKAB in January 1988.
		Seminar	6. Seminar on the Water Management	-	P.M	Seminar was held on 13-15 December 1988.
		F.G. 1988/1989	7. Drought Solving at the Irrigated Rice Field (Ex ADB)	1988 - 1989	(97)	The E/N was signed in December 1988. The contract will be signed soon.
		F.G. 1989/1990	8. Drought Solving of the Irrigated Rice Field in (ex ADB Areas)	1989 - 19980	(134)	The proposal was submitted to G/J in May 1989.

1	2	3	4	5	6	7
			(Ministry of Public Works)			
		Expert	1. Individual Experts (5) of Irrigation for Central Government	-	P.M	Mr. KIMURA, Mr. IKOUE in Jakarta, Mr. Nakajima, Mr. Sato to CGSC in Bekasi, Mr. SEKIYA to IHE in Bandung.
		Expert	2. Individual Experts (3) of Irrigation for Provincial Public Works Service	-	P.M	Mr. TAMARU in South Kalimantan, Mr.SATOMI, Mr.TAKEI in North Sumatera.
		Project	3. Remote Sensing Engineering Project (Phase-II)	-	P.M	R/D was signed on June 6, 1988. Project started from end of June 1988.
		Project	4. Irrigation Engineering Service Centre	-	P.M	Under request.
		Survey	5. M/P of Lower Asahan River Basin	1985 -	P.M	S/W was signed on July 27, 1984 Mapping works in Feb.-Aug. 1989. M/P Study (II) June 1989 - March 1990.
		Survey	6. Batang Kumu Irrigation (F/S)	1984 - 1989	P.M	S/W was signed on Nov. 24, 1984 (on going). F/S was completed in March 1989.
		Survey	7. Negara River Basin Overall Irrigation Development Plan Study	-	P.M	S/W was signed on July 29, 1987 (on going). Final report will be submitted in June 1989.

1	2	3	4	5	6	7
		Survey	8. Air Selagan Irrigation (F/S)	-	P.M	The proposal was pledged to G/J in July 1988. Preliminary Study Team in February 1989.
		Survey	9. Rokan Riven Basin Overall Irrigation Development Plan Survey	-	P.M	The proposal was submitted to G/J in June 1988.
		Survey	10. Nias Island Irrigated Agriculture Development	-	P.M	- ditto -
		Survey	11. Bilah Barumun Irrigation (F/S)	-	P.M	- ditto -
		Survey	12. M/P for Overall Irrigated Agriculture Development in Kusan & Batulicin River Basin	-	P.M	Under request
		F.G. 1986/1987	13. Water Well Drilling Rig for the Ground Water Development	1986 - 1987	-	-
		F.G. 1987/1988	14. Swampy Area Development and Rehabilitation for Supporting the Promotion of Rice Production	1987 - 1988	200	E/N on April 24, 1988. JICA Pre Survey in June 1988.
		F.G. 1987/1988	15. Small Irrigation Pond for Supporting the Promotion of Rice Production	1987 - 1988	250	- ditto -
		F.G. 1988/1989	16. Ground Water Development for the Promotion of Rice and Secondary Crops Production	1988 - 1989	(325)	E/N on December 20, 1988. The contract will be signed soon.
			17. Small Irrigation Ponds (Empang-empang) for Supporting the Promotion of Rice	1988 - 1989	(228)	- ditto - Location: in Sumba, Sabu & Rote in NTT.

1	2	3	4	5	6	7
		F.G. 1989/1990	18. Swampy Area Rehabilitation and Maintenance for Promotion of Food Production	1989 - 1990	(227)	The proposal was submitted to G/J in May 1989.
		F.G. 1989/1990	19. Small Irrigation Ponds for Supporting the Promotion of Food Crop Production	1989 - 1990	(103)	- ditto -
		F.G. 1989/1990	20. Reconditioning Facilities for Construction Equipment and Irrigation Structure	1989 - 1990	(150)	- ditto -
		G.G.	21. Lower Pemali Irrigation Improvement	-	389	Tender will be held soon.
		LOAN	22. Kruen Aceh Irrigation Project	- 1987	-	-
		LOAN	23. Wonogiri Irrigation Project	1978 - 1988	8,587	Engineering Service and Construction Works were completed in Decencer 1988.
		LOAN	24. Way Rarem Irrigation III	1989 - 1991	3,027	L/A on December 8, 1987. Engineering Service Started Under Procurement of Contractor.

1	2	3	4	5	6	7
		LOAN	25. Riam Kanan Irrigation	1984 - 1989	8,636	Under Construction.
		LOAN	26. Langkeme Irrigation	1985 - 1991	6,591	Under Procurement of Contractor.
		LOAN	27. Upper Komering (E/S)	1983 - 1989	1,180	Detailed Design.
		LOAN	28. Bila Irrigation (E/S)	1984 - 1989	550	Detailed Design.
		LOAN	29. Way Umpu and Way Pengubuan Irrigation	1987 - 1992	1,392	Engineering Service Started.
		LOAN	30. Rehabilitation of Way Jepara Irrigation Project	1989 - 1993	1,160	Under Procurement of Engineering Service.
		LOAN	31. Pamarayan Barrage and Ciujung Irrigation System Rehabilitation	1989 - 1993	5,776	L/A October 21, 1988. Under Procurement of Engineering Service.
		LOAN	32. Water Resources Sector Program	1989 - 1991	4,170	L/A October 21, 1988. Appraised by OECF in April 1989.

1	2	3	4	5	6	7
V.	Improvement of Post Harvest Treatment and Processing		(Ministry of Agriculture)			
		Survey	1. Study for Improvement of Post Harvest and Marketing in Farmer's Group	1987 - 1988	P.M	The proposal was submitted to G/J in November 1987. Preliminary survey (S/W) team was dispatched on June 15, 1988. The survey was conducted from Nov. 29 1988 to Feb. 1, 1989 and from March 2, to May 1, 1989.
		F.G. 1987/1988	2. Improvement of the Rice Government Owned Enterprise Level (PT. PERTANI)	1988 - 1989	115	The proposal was submitted to G/J in November 1987. The machinary was provided by March 1989.
		F.G. 1988/1989	3. Improvement of Rice Processing Facilities at the Government Owned Enterprise Level (PT. PERTANI)	1988 - 1989	-	The E/N was signed in December 1989.
		G.G.	4. Husk Utilization for Gasification System	1988 - 1989	560	Proposal was submitted to G/J in June 1988 and in January 1989.

1	2	3	4	5	6	7
			(Ministry of Cooperative)			
		Expert	1. Individual Expert for Post Harvest	1986 - 1989	P.M	Mr. YOSHIZUMI is engaged in Ministry of Cooperative.
		Project	2. Training Facility for Integrated Improvement of Post Harvest and Quality of Rice	-	P.M	The proposal was submitted to G/J in September 1986. Preliminary study was conducted from November 26 to December 8, 1987.
		Survey	3. Master Plan Study for Utilization of Post Harvest Waste and By Products	-	P.M	The proposal will be submitted to G/J in December 1988.
		F.G. 1987/1988	4. Improvement of Post Harvest Technology for Increasing of Food Production and Increasing of the Standard Quality of Rice and Cash Crops at KUD's Level. (Ex ADB Areas)	1987 - 1988	150	The Proposal was submitted to G/J in November 1987. E/N was signed in April 1988. Equipment was provided by March 1989.

1	2	3	4	5	6	7
		F.G. 1987/1988	5. - ditto - (Non ADB areas)	1987 - 1988	420	- ditto -
		F.G. 1988/1989	6. Improvement of Post Harvest Technology for Increasing of Food Production and Increasing of the Standard Quality of Rice and Cash Crops at KUD's Level. (Ex. ADB areas)	1988 - 1989	(185)	The proposal was submitted to G/J in September 1988. The E/N was signed in December 1988. The contract will be signed soon.
		F.G. 1988/1989	7. - ditto - (Non ADB areas)	1988 - 1989	(395)	- ditto -
		F.G. 1989/1990	8. - ditto - (Ex ADB areas)	1989 - 1990	(185)	The proposal submitted to G/J in May 1989.
		F.G. 1989/1990	9. - ditto - (Non ADB areas)	1989 - 1990	(230)	- ditto -
		G.G.	10. Training Facility for Integrated Improvement of Post Harvest and Quality of Rice	-	845	The proposal was submitted to G/J in September 1986. Preliminary study was conducted as well as project (2). Basic design study was implemented from May 25 to June 11, 1988. The E/N was signed on 27 October 1988. Consultant was constructed on November 18, 1988. Construction started in May 1989.

1	2	3	4	5	6	7
		G.G.	11. Supply of Facilities and Equipment for Establishment of Workshop to Supply Wearing Parts for Rice Milling Units	-	550	The proposal was submitted to G/J in December 1988.
		G.G.	12. Processing Plant for Fish Powder and Fish Balls on Cooperative Basis.	-	555	- ditto -
		G.G.	13. Strengthening of Data Processing and Trade Information System	-	391	- ditto -
		G.G.	14. Improvement of Cooperative Management in KUD's Activities	-	300	- ditto -
		LOAN	15. Supply of Post Harvest Agricultural Equipment to KUD	1985 - 1992	5,800	L/A was signed in March 1984. Contract with consultant was signed in November 1985. Tender of equipment supply was conducted in August 1987. Contracts of equipments supply were signed. The report of Survey on IInd Stage will be submitted soon.
VI.	Agricultural Mechanization	Project	1. Centre for Development of Appropriate Agricultural Engineering Technology (ATA - 220)	1987 - 1992	P.M	R/D for technical cooperation was signed in January 1987. Project started in April 1987. Mr. IRIE (Leader) and 5 experts are engaged in the project.

1	2	3	4	5	6	7
		Survey	2. Master Plan Study for Promotion of Agricultural Mechanization in Indonesia	-	-	The proposal was submitted to SETKAB in April 1988.
		G.G.	3. Center for Development of Appopriate Agricultural Engineering Engineering Technology (ATA-220).	1986 - 1987	1,749	B/D Team was dispatched in August 1985. E/N was signed in February 1986. Construction was completed in March 1987.
		G.G.	4. Regional Centre for Development of Appropriate Agricultural Engineering Technology (ATA-220)	-	(2.469)	The proposal was submitted to G/J in January 1989.
VII.	Others Field	Expert	1. Advisor for Promotion of Major Food Crops Production	1984 -	P.M	Mr. E. KAGAI was engaged in Bureau of Planning, MOA from December 1984 to December 1988. Now Mr. M. SATO and Mr. SAWADA are engaging there.
		Expert	2. Expert for Statistic	1989	-	The proposal was submitted to G/J in December 1987. Mr. Y. Kawasaki was dispatched from Feb. 20 to Mar. 18, 1989.
		Expert	3. Expert for Establishment of Warning System	-	P.M	Under preparation of the request.
		Survey	4. Preliminary Survey for Agriculture Statistic System	1988 -	-	Survey was implemented in October 1988.

1	2	3	4	5	6	7
		Survey	5. Study for Regional Agriculture Development	-	P.M	Under preparation of the request.
		F.G. 1987/1988	6. Special Programme for Major Food Crops Production Related to Supra Insus Programme	1987 - 1988	357	The proposal was submitted to G/J in November 1987. The equipment was provided by March 1989.
		F.G. 1988/1989	7. _ ditto - (Phase II)	1988 - 1989	499	The proposal was submitted to G/J in September 1988. The E/N was signed in December 1988. The contract will be signed soon.
		F.G. 1989/1990	8. - ditto - (Phase III)	1989 - 1990	481	The proposal was submitted to G/J in May 1989.
		F.G. 1989/1990	9. Development of Food Crops Farming on Tidal Swamp Area	1989 - 1990	65	- ditto -
		G.G.	10. Equipment Supply for the Supervision and Monitoring of the Programme	-	22	The proposal was submitted to G/J in October 1987. The equipment were delivered.

Remarks : Expert means Individual Expert

Project means Project Type of Technical Cooperation

Survey means Development Survey

F.G. means Gant Aid for the Increasing of Food Production (Ind KR)

G.G. means General Aid

LOAN means OECF Loan

PROGRESS REPORT AND FUTURE REQUEST

OR-60150 PROJECT UNDER UNIFIED PROGRAM FOR PROMOTION OF BASIC FOOD CROPS PRODUCTION

Field	Agency Concern					
	On Going Project					
	DGFCA	AARD	AATS	DGFWD	Cooperative	Transmigration
I. Multiplication and Distribution of Improved Seed	- Construction for Seed Processing Centre (5 provinces in the first phase) - Seed Multiplication Equipment supplementary for Seed Technology Laboratory and Pilot Processing Unit for Staple Food (F.G. 87/88)	ATA 378 Strengthening Production of Palawija Crops				
II. Strengthening of Crops Protection	- Plant Protection Project (ATA-162) (Extension Period) - Food Crops Protection Project (ATA-162) (phase II) - Pesticide Supply for Crops Protection Brigades (F.G. 85/87) - Improvement of Food Crops Protection Scheme (F.G. 88/89) - Rice Pest Forecasting and Control (ATA-389) (Phase I) (G.G. 85/86) - Rice Pest Forecasting and Control (Construction 1 province), Equipment (4 provinces) (G.G. 86/87)					Provision of : - Mist Blower in Aceh, Riau, Sumber, Jambi, Bengkulu, and South East Sulawesi
III. Regional Application and Demonstration of Agricultural Technology						Demonstration in equipments operation

Field	Agency Concern					
	On Going Project					
	DGFCA	AARD	AETE	DGRTD	Cooperative	Transmigration
VI. Irrigation and Water Management	Drought Solving at the Irrigated Rice Field (Ex AES) (Second Kennedy Round 88/89)			- Lower Asahan River Basin Dev. (Master Plan), North Sumatera - Negara River Basin Overall Irrigation Development (South Kalimantan) (ex ADB) - Feasibility Study on Air Selagan Irrigation Project Bengkulu (ex ADB)		Provision of : Irrigation Pump in Bengkulu
V Improvement of Post Harvest Treatment and Processing	- Improvement of the Rice Government Owned Enterprise Level (PT. Pertani) (F.C. 87/88) - Improvement of Rice Processing Facilities at the Government Owned Enterprise Level (PT. Pertani) (F.C. 88/89)				- Training Facility for Integrated Improvement of Post Harvest and Quality of Rice (ITS-136) - Supply pre and post harvest equipment (IP - 168) - The Second Kennedy Round Project	
VI. Agricultural Mechanization	Centre for Development of Appropriate Agricultural Engineering Technology (ATA-220) (Project and G.C.)				- The Second Kennedy Round Project	Provision of : Tractors and Implements in Aceh, Riau, Sumber, Jambi and Bengkulu
VII. Others Field	- Special Programme for Major Food Crops Production Related to Supra Insus Programme (F.C. 87/88) - Ditto (Phase II) (F.C. 88/89) - Equipment Supply for the Supervision and Monitoring of the Programme (G.C.)			Technical Assistance for Irrigation and River Improvement project scatter in Indonesia (Area Supra Insus)		Provision of : - Chain Saw - Multi purpose Power Unit : In Aceh, Riau, Sumber, Jambi and Bengkulu - Spare parts for the Exist project

Proposed Project Under Gabrella Program For Promotion of Major Food Crops Production

Field	Agency Concern					
	Proposed Project:					
	BUCA	AARD	BATAN	BGKPD	Cooperative	Transmigration
II. Multiplication and Distribution of Distribution	- Soybean Seed Multiplication and Distribution Project (East Java)	(Food Crops Physiology Lamp Agronomy Laboratory) ((Supra Irsos Area))				
	- Pilot Project for Multiplication and Distribution of Improved Soybean Seed (GG) (East Java)					
	- Seed Potatoes Multiplication and Distribution (West Java)					
	- Pilot Project for Multiplication and Distribution of Seed Potato (GG) (West Java)					
III. Strengthening of Crops Protection	- Development of Food Crops Production through Fertilizer Application and Plant Protection, (Second Kennedy Round)	(Species Information Laboratory Construction) ((Supra Irsos Area))				- Provision of Mist Blower to Kalimantan, Central Sulawesi and South Sulawesi (Second Kennedy Round)
	- Pest and Desease Forecasting and Control Project Support Services (Aceh, North Sumatra, South Sumatra, Lampung, West Java, Central Java, DIY, South Kalimantan, South Sulawesi)					
III. Regional Application Trial and Demonstration of Agriculture Technology	- Project for Strebtening Food Crops Extension in Transfering Technology					- Demonstration in Equipment Operation ((Sumatra, Java, Kalimantan, Sulawesi and Irian))
	- Development of Food Crops Production Through Fertilizer Application and Plant Protection (West Sumatra, Riau, Bali, NTB South Sulawesi and South East Sulawesi)					

Note :
GG = General Grant
FG = Food Grant

Field	Agency Concern					
	Proposed Project					
	USAID	AIDS	AIDT	USAID	Cooperative	Desegregation
III. Irrigation and Water Management	(Drought Solving of the Irrigated Rice Field in ex ADB Areas ((West Sumatra, Bengkulu, South Sumatra, Bali, South Kalimantan, South East Sulawesi) (Second Kennedy Round)			- Bias Island Irrigation Project North Sumatera - Masterplan for Overall Irrigated Agricultural - Development in Musan and Batanlicia River Basin South Kalimantan - Establishment of Laboratory for model test of irrigation in coastal area. ((Riau, Jambi South Kalimantan, Central Kalimantan)) - Swamp Area Rehabilitation and Maintenance for Promotion Food Crops Production Riau, Jambi, South Sumatra, West Kalimantan and Central Kalimantan ((Riau, Jambi, South Sumatra, Central Kalimantan and East Kalimantan))(Second Kennedy Round) - Small irrigation ponds for supporting the promotion of food crops production, East Nusa Tenggara, West Nusa Tenggara, East Timor ((State)) (Second Kennedy Round) - Irrigation Engineering Services Centre (IESC), Bekasi, West Java. ((Serpong, West Java)) - Study for Solon River Basin Overall Irrigation Development Plan Riau ((Riau, Jambi, Sumatera Selatan, Aceh))		
IV. Improvement of Post Harvest Treatment and Processing	- Coal Utilization for Gasification System (GS) (West Java)				- Improvement of Post Harvest Technology for increasing of food production and increasing of the standard quality of rice, and cash crops at KUD's level (Second Kennedy Round, for Phase III). ((At ADB Areas))	
					- Supply of facility and equipment for establishment of workshop to supply wearing parts for KUD. ((Serpong, West Java))	

Field	Agency Concern: Proposed Project					
	DGFCL	ADAB	ADTE	DGEMS	Cooperative	Transmigration
					- Improvement of cooperative management in ADB's activities ((Six ADB Areas))	
					- Master Plant Survey on utilization of Post Harvest waste and by products ((Six ADB Areas))	
					- Training facility for Integrated Improvement of post harvest and rice ((All Provinces of Indonesia))	
					- Individual expert for : - Agriculture economic - Agriculture industry ((Jakarta))	
VI. Agricultural Mechanization	- Master Plan Study for Promotion of Agricultural Mechanization in Indonesia (survey) (West Java, Central Java, DIY, East Java, Bali, NTB, South Kalimantan, South Sulawesi, Aceh, North Sumatra, West Sumatra, Jambi, Lampung, South Sumatra) - Regional Centre for Development of Appropriate Agricultural Engineering Technology (CG) (West Sumatra, East Java, South Sulawesi, West Java, South Kalimantan)					- Provision of Tractors in Kalimantan, Central Sulawesi, and South Sulawesi (Second Kennedy Round)
VII. Others	- Special Programme for Major Food Crops Production Related to Bepra Insus Programme Phase III, In ADB Areas (SIE) (Aceh, North Sumatra, West Sumatra, South Sumatra, Lampung, West Java, Central Java, DIY, East Java, South Sulawesi, and West Nusa Tenggara) - Development of Food Crops Farming on Tidal Swamp Area (Second Kennedy Round) (North Sumatra, Riau, Jambi, South Sumatra, and South Kalimantan) - Paddy Field Formation on Tidal Area Project (North Sumatra, Riau, West Sumatra, Jambi, West Kalimantan, South Kalimantan, Central Kalimantan, and Irian Jaya)		Nucleus Estate Small Holder for Rural Youth and Young Farmers (In 27 provinces excluded DKI Jakarta	- Reconditioning, facilities for construction structure East Sulawesi East Region of Indonesia (Second Kennedy Round)		- Provision of Beaver in Kalimantan, Central Sulawesi, and South Sulawesi (Second Kennedy Round)

project/artsz.

FOOD CROPS

PROGRESS REPORT OF THE ON GOING PROJECTS

AND

NEW PROJECT PROPOSALS

UNDER

PROMOTION MAJOR FOOD CROPS PRODUCTION PROGRAMME

DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE

MINISTRY OF AGRICULTURE

JUNE 1989

I. PEST DESEASE AND CONTROL PROJECT (ATA-389).

Project Implementation :

- Phase I : February 1986 - February 1987
- Phase II : June 1987 - March 1988
- Phase III : March 1988 - March 1989

Total Budget : Y 5,269,000,000.-

Project Objectives :

1. Improvements in pest outbreak forecasting technology, a fast and accurate information system, and establishment of an integrated pest management system.

2. Expansion and strengthening of existing food crops protection organization to avoid yield loss both before and after harvesting.

Location :

West Java, East Java, Central Java, DIY, Aceh. North Sumatera, South Sumatera, Lampung, South Sulawesi.

Project Activities :

Phase I

Total budget for Phase I : Y 2,061,000,000.
Phase I was concerned with construction building Pest Forecasting Center in Jatisari, Plant Protection Center in Bandung, Surabaya and Denpasar, also construction 9 units field laboratorium (4 units in West Java; 3 units in East Java and 2 units in Bali).

Phase II

Total budget for Phase II : Y 1,230,000,000
The project activities in phase II are construction 1 unit Plant Protection Center in Central Java, 6 units Pest and Desease laboratorium (4 units in Central Java, 1 unit in DIY and 1 unit in East Java). Beside of construction, phase II also provision of equipments for building which had been constructed in phase I and II.

Phase III

Total budget for phase III : Y 1,978,000,000.
The project activities in phase III are construction building and provision equipment for Plant Protection Center in Medan, Palembang, Banjar Baru, Maros, and also construction 11 units. Pest and Desease laboratorium (2 units in North

Sumatera; 1 unit in South Sumatera; 2 units in Lampung, 2 units in Aceh; 2 units in South Kalimantan and 2 units in South Sulawesi) and construction 1 unit Pecticide laboratorium in Maros. Besides of that phase III also provision of equipment to complate the building constructed in phase III.

Problem of the Project

Operational and maintenance cost for building which had been constructed in phase I and II, isn't enough.

II. STRENGTHENING OF PLANT PROTECTION SERVICE PROJECT (ATA-162).

Project Implementation :

- Phase I : 1980 - 1986/1987
- Phase II : 1987/1988 - 1991/1992.

Total Budget : US $ 4,659,130

Project Objectives :

To develope and strengthen Plant Protection with emphasize on controlling insect and desease of rice to decrease loses.

Location :

West Java, Central Java, North Sumatera and Bali.

Project Activities :

- Transfer of technology
- Training
- Equipment
- Study

Progress of the Project :

Up to know project activities have been conducted as follows :

1. Transfer of Technology.

The long terms experts and technical expert have been dispached from Japan, were :

- 7 Long term experts
- 1 Liaison officer
- 28 Short term technical expert.

In 1987/1988 project assigned 4 experts, in 1988/1989 6 short term expert and 5 long term expert.

2. Training

Up to know 1 Indonesian staff has been dispached to Japan for study trip, and 13 person has been allowed individual training and 3 person for Master/Doctor program. In 1987/1988, 1 person has been dispached for Japanese language course and management pesticide. In 1988/1989 project conducted a short term training (1-6 months) for 8 persons.

3. Equipment

Equipments from Japanese grant aid as follows :
- Equipments for study laboratorium
- Pesticide and chemical materials for study and laboratorium
- Audio visual
- Vehicles.

Those equipments have been alocated for Directorate of Plant Protection, Pesticide laboratorium in Pasar Minggu, Pest Forecasting Center in Jatisari and Biological Laboratorium in Research Food Crops Center in Bogor. In 1987/1988 project accepted equipments worth Y 49,350,000 in 1988/1989 the Government of Japan sent equipments : Rubber boot size, Tetoron Gauge, Personal computer, Personal Effect of Expert, etc, worth Y 27,785,194.-

4. Study

The project has 6 Working groups :
- Working Group on Brown Plant Hopper
- Working Group on Rat control
- Working Group on Pesticide analyse
- Working Group on Pest on Palawija
- Working Group on Computer
- Working Group on Virus tungro.

Problem of the Project :

Problem faced in this project is the lact of budget for local staf to field monitore with expert.

III. CENTRE FOR DEVELOPMENT OF APPROPRIATE AGRICULTURAL ENGINEERING TECHNOLOGY (ATA-220, CAAF).

Centre for Development of Appropriate Agricultural Engineering Technology is a Technical Cooperation between Indonesia and Japanese Government in developing agriculture machinery and equipment.

Total amount of grant is Y 1,749,000,000 with cofinancing is as follows :

1984/1985 - Rp. 15.000.000,-	for mapping
1985/1986 - Rp. 264.000.000,-	for drainage canals, land clearing, land levelling, etc.
1986/1987 - Rp. 323.000.000,-	for telephone, office equipment, etc.

Objectives of the project are to improve job quality and farmers income. In order to achieve the objectives, some activities have to be implemented, comprising construction, agriculture engineering analysis system, development of prototype design, training and testing of agriculture machineries.

- The building where the activities are implemented had been built and inaugurated on March 1987 by Minister of Agriculture.

- Function of Agriculture engineering analysis system are : Collecting, preparing and providing information to the planner, providing recommendation to the project and preparing agriculture mechanization policy in Indonesia. To this end, primary and secondary data is needed. Therefore, survey had been conducted in South Kalimantan, South Sulawesi and Bali by Japanese Expert and Counterpart on February 1988 to March 1988. Primary data need to be completed by secondary data from statistical books, studies, provincial report and monitoring. The expert in the field of analysis system is Dr. M. Sakai, who has provided Engineering System Training from 12 January to 10 March 1988.

- Equiments and machineries developed in the project are the cheap and the high quality of mahcineries. There are 13 kinds proposed in these activities, according to R/D between Indonesia and Japanese Government. The expert in this field is Haruo Ogawa from JICA, who has provided Cupola Operation training from 4 September to 3 October 1987. Other JICA expert who has provided machine tools operation training is Iwahiro Asada training has been conducted from 4 September to 3 Nopember 1987.

- The aim of training is to develop technical used in analysis system, design, development and improvement, testing and evaluation. Trainings consists of : agricultural mechinery utilization, agricultural machinery testing, agricultural machinery repair and maintenance, and agricultural machinery design and fabrication.

- The beginning of testing of agricultural machinery activities is survey. That is to study agricultural mechanization situation, level of production of equipment and machinery.

The problems faced by the project are :

The Japanese expert expect full time counterpart, and unavailable telephone in the project site.

IV. WATER MANAGEMENT DEVELOPMENT (JICA IRRIGATION EXPERT)

Jica Irrigation Expert as realization of Technical Cooperation between Japan and GOI in the framework of Promotion of Major Food Crops Production, from June 1987 until June 1989.

Objectives :

To assist Water Management Development at Farming Level.

Activities :

- Programme Formulation of Village Irrigation Development for Upland and Sawah Area.
- Development of Ground Water
- Seminar of the Water Management
- Development of Pilot Scheme Riam Kanan
- Observation of Rural Irrigation Potency.

Implementation :

Progress of implementation activities are as follows :

1. Proposal programme formulation of village Irrigation Development for upland and Sawah areas was sent to Sekretariat Kabinet at 28 October 1988.

2. The Activities of development of ground water were started on September 1988 for 4 months located in Kecamatan Penyusu Yogyakarta.

3. Seminar was held in Jakarta on 13 to 15 December 1988 and facilitated water management from Central Office and Province (24 provinces).

4. Development of Pilot scheme Riam Kanan has not been implemented yet.

5. Rural Irrigation Potency observation has been implemented once from target of 24 MM.

V. SECOND KENNEDY ROUND

A. DISTRIBUTION OF E/M SECOND KENNEDY ROUND 1987/1988 WHICH DISTRIBUTED IN 1988/1989 FISCAL YEAR.

Most equipments and machineries (E/M) of the Project "Special Programme for Major Food Crops Production Related to Supra Insus Programme" have been distributed to Provinces of Supra Insus Program i.e. West Sumatera, West Java, Central Java, DI Yogyakarta, East Java, West Nusa Tenggara and South Sulawesi.

The GOI funded for handling, transportation and installment of equipments and machineries in 1988/1989 fiscal year and in 1989/1990 fiscal year. Details of the equipments and machineries are shown in Table 1, their plan of distribution showed in Table 2, and materialization of distribution in Table 3. table.

Table 1 : Items of Equipment and Machinery for the Project of Special Programme for Major Food Crops Production Related to Supra Insus Programs.

No.	I t e m	Total Unit	Total Price (Yen)
1.	Four Whell tractor	3	7,230,000
2.	Reaper	58	23,780,000
3.	Power Thresher	350	23,450,000
4.	Winnower	1260	17,640,000
5.	Slide Projector	23	5,747,700
6.	Video Projector	7	10,201,800
7.	Wireles Radio	23	5,747,700
8.	Water Pump	53	17,995,000
9.	Power Tiller with Rotary	12	4,920,000
10.	Sepeda Motor	140	17,010,000
11.	Pick Up	6	5,658,000
12.	Electric motor	104	2,800,000
13.	Hand tractor (Power Tiller Without Rotary)	662	155,570,000
14.	Mist Blower	12	660,000
15.	Audio Visual unit	1	9,779,200
16.	Walky Talky	80	18,784,000
17.	Spare part	1 lot	32,447,560
	T o t a l		356,923,160

Table 2 : Plan of Distribution for Equipment and Machinery of the Project of Special Programme for Major Food Crops Production Related to Supra Insus Programme.

I t e m	West Sumatra	West Java	Central Java	East Java	D.I. Yogya	West Nusa Tenggara	South Sulawesi
A. Pre & Post Harvest E/M							
1. Four whell Tractor	-	1	-	1	-	-	1
2. Power Tiller with Rotary	2	2	2	2	-	2	2
3. Power Tiller without Rotary	40	210	78	140	52	30	112
4. Mist Blower	2	2	2	2	-	2	2
5. Water Pump	5	15	11	12	-	8	8
6. Paddy Reaper	4	160	30	50	20	20	60
7. Power Thresher							
8. Winnower	36	576	108	180	72	72	216
9. Electromotor	16	16	24	16		16	16
B. Extension E/M							
1. Slide Projector Unit	1	6	3	4	2	2	5
2. Video Projector	1	1	1	1	1	1	1
3. Wireless Radio	2	6	3	5	2	2	4
4. Walky Talky	9	20	18	14		9	10
5. Pick Up	1	1	1	1	-	1	1
6. Motor Cycle (*)	6	37	20	27	10	13	21
7. Audio Visual Unit	-	1	-	-	-	-	-

* Central Office : Motor Cycle : 6 units

Table 3 : Location and Realization of distribution of the Equipment and Machinery.

No.	I t e m	West Sumatera	West Java	Central Java	West Nusa Tenggara	East Java	South Sulawesi	D.I. Yogya
A.	Pre Post Harvest E/M.							
1.	Four whell Tractor	-	-	-	-	-	-	-
2.	Power Tiller without Rotary	2	2	2	2	2	-	-
3.	Power Tiller with Rotary	40	210	78	30	140	-	52
4.	Mist Blower	-	-	-	-	-	-	-
5.	Water Pump	5	15	11	8	12	-	-
6.	Paddy Reaper	4	14	12	6	10	-	-
7.	Power Thresher	10	160	30	20	50	-	20
8.	Winnower	36	-	108	72	179	-	-
9.	Electromotor	16	16	24	16	16	-	-
B.	Extension							
1.	Slide Unit	1	6	3	2	4	5	2
2.	Video Projector	1	1	1	1	1	1	1
3.	Audio Visual Unit	-	1	-	-	-	-	-
4.	Wireless Radio	2	5	3	2	5	4	2
5.	Pick up	1	1	1	1	1	1	-
6.	Sepeda Motor	6	42	20	13	27	21	10

Dispachment of equipment and machinery for district level in each province is as follows :

a) E/M for irrigation and extension.

- West Java : Tanggerang, Karawang, Subang, Indramayu and Cirebon.
- East Java : Jombang, Nganjuk, Kediri and Malang.
- Central Java : Pekalongan, Pemalang and Batang.
- West Nusa Tenggara : Lombok and Central Lombok.
- South Sulawesi : Pinrang, Sidrap, Barru, Pangkep and Maros.
- West Sumatera : Pariaman
- D.I. Yogyakarta : Sleman and Bantul.

b) E/M for Central Seed Farm (BBI).

Secondary Crop BBI : Plumbon (West Java), Bedali (East Java) and Batang Karopa (South Sulawesi).

Rice BBI : Sungai Dareh (West Sumatera), Cihea (West Java), Tegal Gondo (Central Java), Bl.Gebang (East Java), Paninjauan (West Nusa Tenggara), Maros (South Sulawesi).

Besides for district level, some part of the E/M also distributed to Provincial level.

Technical Specification of each machinery and equipment decided by DGFCA, and proposed by firm who provide for this project. Specification of each E/M shown in Table 4.

Tabel 4 : Technical Specification of the Equipment and Machinery.

No.	I t e m s	Made/Spec	Total (unit)
PAKAGE I (Pre and Post Harvest E/M)			
1.	Four Wheel Tractor	Yanmar,	3
	0.1. Trailer	YM 330 DT	3
	0.2. Rotary		3
	0.3. Disc Plow		3
	0.4. Ridger		3
2.	Power Tiller	Yanmar	
	0.1. Rotary Tiller	YZ C 105	12
	0.2. Molboard Plow		12
	0.3. Peadler (Slebek)		12
	0.4. Leveler		12
	0.5. Trailer		12
	0.6. Ridger		12
3.	Power Tiller Without Rotar	Yanmar YST 85	455
	0.1. Molboard Plow		455
	0.2. Peddler (glebek)		455
	0.3. Leveler		455
4.	Mist Blower	Yanmar MK-130	12

I t e m s	Made/Spec	Total (unit)
5. Water Pump	Yanmar	46
0.1. Suction Hose 6" x 7 M	TF 135 di DWC-6	46
0.2. Delivery Hose 6" x 25 M		46
0.3. Foot Valve		46
6. Paddy Reaper	Kubota AR-120	58
7. Power Tresher	Yanmar DB-500	3350
8. Winnower	AW-500	1260
9. Electro Motor	Teco AEEB 4P	104
PAKET II (Extension E/M)		
10. Slide Unit	EIKI	23
01. Slide Projector	840 AXE	23
02. Slide Viewer		23
11. Video projector	SONY, VHP 840 AXE	7
12. Audio Visual Aid Unit		1
01. TV Receiver	Sony, KV-2182 GE	1
02. Automatic Color Slide Processor	Matsushita KV-5000	1
03. Video Projector	Sony, VHP-1041 OM	1
04. Video Cassete Recorder	Sony, VO. 5850 P	1
05. Automatic Editing Control	Sony, RM 440	1
06. Portable Color Video Monitor	Sony, PVM-9020 ME	1
07. Photo Camera	NIKON FM-2	1
08. Mini Radio Cassete Recorder	Sony, CFS-2110	1

I t e m s	Made/Spec	Total (unit)
13. Wireles Radio	TOA WA-520 C	23
14. Radio Transceiver (Walky Talky)	INTI JHP-21 SOIT	80
15. Pick Up	Toyota Kijang Pick-up, KF-50	3
16. Motor Cycle	Suzuki, A 100 XVR	90

Items of E/M of the package I which had been distributed and not yet been distributed in 1988/1989 Fiscal Year is shown in Table 5. The E/M which have not been delivered in 1988/1989 FY, are stored in at supplier's firm ware house.

Table 5 : Items of E/M which had been distributed and not yet been distributed in 1988/1989 F.Y.

Item	Distributed	Not yet Distributed	Total
A. Package I			
1. Four Wheel Tractor	0	3	3
2. Paddy Reaper	46	12	58
3. Power Tiller with Rotary	10	2	12
4. Power Tiller without Rotary	550	112	662
5. Mist Blower	0	12	12
6. Thresher	290	60	350
7. Winnower	1.044	216	1.260
8. Water Pump	51	8	59
9. Electro Motor	104	0	104
B. Package II			
1. Slide Unit	23	-	23
2. Wireless Radio	23	-	23
3. Video Projector	7	-	7
4. Sepeda Motor	140	-	140
5. Pick Up	6	-	6
6. Walky Talky	-	80	80
7. Audio Visual Unit	1	-	1

B. DISTRIBUTION OF E/M SECOND KENNEDY ROUND 1987/1988 WHICH WILL BE DISTRIBUTED IN 1989/1990 FISCAL YEAR

Because of limitation in GOI budget for handling, transporation and installment, and also the late in delivering or shiping from Japan, only part of SKR E/M which have distributed in 1988/1989 FY. The E/M of the SKR Grant Aid which will be distributed in FY 1989/1990 are the package I. II, III and IV.

1. SPECIAL PROGRAMME FOR MAJOR FOOD CROPS PRODUCTION RELATED TO SUPRA INSUS PROGRAMME

Only few part of E/M of this project which which did not distributed i.e. package I and package II, item of this project E/M which did not distributed in FY 1988/1989 and will be distributed on FY 1989/1990 as in the next table 6.

Tabel 6 : Equipment and Machinery (E/M) of the Project of Special Program for Major Food Crops Production Related to Supra Insus.

I T E M	Total Unit	Total Price (Yen)
Package I		
1. Four Wheel Tractor:	3	7,953,000
2. Power Tiller :		
a. with rotary	2	902,000
b. without rotary	112	28,952,000
3. Mist blower	12	726,000
4. Water pump	8	2,684,000
5. Paddy reaper	12	5,412,000
6. Power thresher	60	4,422,000
7. Winnower	758	11,673,846
8. Electro motor	16	473,846
Total I		63,198,046
Package II		
Walky Talky		
a. Base stasion	23)	22,183,200
b. Walky talky	57)	
Total II		22,183,200
Grant Total		85,381,246

Tabel 7 : Number of items and dispacht location of the E/M which will be distributed in 1988/1989 Fiscal Year

ITEM	Province							Total
	W. Sum	W.Java	C.Java	DIY	E.Java	S.Sul	W.Nusa Tenggara	
Package I								
1. Four whell Tractor	-	1	-	-	1	1	-	3
2. Paddy Reaper	-	-	-	-	-	12	-	12
3. Power Tiller with Rotary	-	-	-	-	-	2	-	2
4. Power Tiller without Rotary	-	-	-	-	-	112	-	112
5. Mist Blower	2	2	2	-	2	2	2	12
6. Thresher	-	-	-	-	-	60	-	60
7. Winnower	-	181	181	-	180	216	-	758
8. Water Pump	-	-	-	-	-	8	-	8
9. Electro Motor	-	-	-	-	-	16	-	16
Package II								
Walky Talky dan Repeater	9	20	11	7	14	10	10	80

2. SEED MULTIPLICATION, SUPLEMENTARY EQUIPMENT FOR SEED TECHNOLOGY LABORATORY IN INDONESIA AND PILOT PROCESSING UNIT FOR STAPLE FOOD.

The equipment and machinery of this project consist of E/M for Seed Multiplication, Laboratory, fruit and vegetable processing and spare party. The E/M have departed in main port of Indonesia in March 1989 and will be distributed to several provinces and two universities (UGM and USU) in 1989/1990 FY. The next tables show the direction and location of this project.

Tabel 8 : Equipment for Project Seed Multiplication, Suplementary Equipment for Seed Technology Laboratory and Pilot Processing Unit for Staple Foods.

No.	ITEM	Total (unit)	Total Price (Yen)
a.	Seed Multiplication Equipment, Supplementary Equipment for Seed Technology Laboratory and Pilot Processing unit	1 lot	129,323,300
b.	Small Scale Processing unit for fruit and Vegetable product	1 lot	30,523,200
c.	Small Scale Processing Soybean Curd	1 lot	38,376,700
d.	Spare Part	1 lot	19,222,230
	Total		217,445,490

Tabel 9 : Direction part of Food Grant 1987/1988 of the Project Seed Multiplication, Suplementary Equipment for Seed Technology Laboratory and pilot Processing Unit for Staple Foods.

No.	ITEM	Total
A.	Seed Multiplication Equipment	
1.	PH Meter	7 units
2.	Laminair Flow/Dalton Clean Bench	7 units
2-01	Refrigerator	7 units
2-02	Aseptic Box with Glasses	7 units
2-03	Drying Oven	7 units
2-04	Phtographic Research Microscope	7 units
2-05	Electronic Balance	7 units
2-06	Automatic Dispenser	7 units
3.	Autocalve	7 units
4.	Shading Net House/Condition Regulation for tissue culture	7 units
5.	Water pump	14 units
6.	Shaker Complete set	9 units
6-01	Beaker	84 units
6-02	Pipets	42 units
6-03	Flask Erlenmeyer	1.176
6-04	Test Tube	588
6-05	Forceps	120
6-06	Measuring Cylinder	42 sets
6-07	Automatic Washer	7 units
B.	Supplementary Equipment for Seed Technology Laboratory	
7-01	Seed Moisture Tester (infrared type)	13 units
7-02	Ditto, but (Di electric Constant Type)	16 units
8.	Thermostatic Germinator	1 unit
9.	Flask Trier	2 units
10.	Sampler Trier	26 units
11.	Seed Divider	14 units
12.	Seed Grinder	24 units
13.	Electric Incubator	17 units
14.	Freezer	19 units
15.	Homogenizer	3 units
16.	Microscope Projector	1 unit
17.	Laboratory Microscope	35 units
18.	Low Temperature Chamber	8 units
19.	Autoclave	12 units
20.	Grain Crack Inspector	29 units
21.	Centrifuge	10 units
22.	Magnetic Stirrer with Hot Plate	11 units
23.	Water Baths	13 units
24.	M i x e r	12 units
25-01	Zoom Stereo Microscope	34 units
25-02	Zoom Stereo Microscope with Camera	1 unit

No.	ITEM	Total
26.	Analitical Balance	10 units
27.	Constant Temperature Incubator	2 units
28.	Mini Grader	30 units
29.	Electronic Digital Balance	29 units
30.	Simple Green House	30 units
31.	Glassware Set	21 units
32.	Metal Rack	20 units
33.	PH Meter	21 units
34.	Dehumidifier	16 units
35.	Camera photo	1 unit
36.	Grain Counter	16 units
37.	Scientific Calculator	29 units
38.	Small Scale Processing Unit for Fruit and Vegetable Product	1 unit
39.	Small Scale Processing Soybean Curd	2 units
40.	Spare parts	1 lot

3. THE IMPROVEMENT OF RICE PROCESSING FACILITIES AT THE GOVERNMENT OWNED ENTERPRISE LEVEL.

This project will be completed the rice milling unit of the Government ownned enterprise level of PT. PERTANI (Belong fo DGFCA) with modern and appropriate E/M for supporting national food production. This project consist of 2 (two) Integrated Rice Centre (IRC) and 1 lot of spare part. All of these E/M imported from Japan and arrived at main port of Indonesia in March 1989. Nowadays these E/M still stored in port warehouse, and will be distributed and installed in this 1989/1990 F.Y. The direction of this project's E/M is shown in the next table.

Tabel 10 : Direction of E/M of the project The Improvement of Rice Processing Facilities at The Government Owned Enterprise Level.

No.	ITEM	Total
A.	Rice Processing Facilities	
1.	Receiving hopper, 400 kg	1 unit
2.	Paddy cleaner with stoner, 5 t/h	1 unit
3.	Hopper scale 5 t/h	1 unit
4.	Paddy husker with husk aspirator 2 t/h/unit	2 unit
5.	Paddy separator with husk aspirator 2 t/h/unit	2 unit
6.	De stoner 3,2 t/h	2 unit
7.	Rice whitening machine 3.2 t/h (combination of abrasive and friction type)-(1 abrasive and 2 frictions type)	1 lot
8.	Rotary sifter, 3.0 t/h	1 unit
9.	Length separator, 1.5 t/h	1 unit
10.	Blenders	3 unit
11.	Scale shutter	1 unit
12.	Bag sewing machine	1 unit
13.	Tanks	1 lot
14.	Husk blowing system	1 lot
15.	Dust collecting system	1 lot
16.	Bran collecting system	1 lot
17.	Transporting equipments	1 lot
18.	Control panel	1 lot
19.	Diesel generator set	1 unit
B.	Paddy Drying Facilities	
1.	Receiving hopper, 400 kg	1 unit
2.	Paddy cleaner with stoner, 5 t/h	1 unit
3.	Hopper scale 5 t/h	1 unit
4.	Paddy dryer	1 unit
5.	Tempering tank	1 unit
6.	Transporting equipments	1 lot
7.	Diesel generator set	1 unit
8.	Dust collecting system	1 lot
C.	Auxiliary Equipments	
1.	Electric wiring material	1 lot
2.	Piping material	1 lot
3.	Paddy/rice moisture meter	1 unit
4.	Mini laboratory equipment	1 unit
D.	Spare Part	1 lot

C. Distribution Plan of the Machineries, Pesticides and Fertilizers of the SKR Grant Aid 1988/1989

No.	Items	Unit	Satuan	Aceh	Sumut	Sumbar	Riau	Sumsel	Lampung	Jabar	Jateng	DIY	Jatim	Kalbar	Sulut	Sulteng	Sulsel	Bali	NTB
1.	Thresher	910	Unit	V	V	V		V	V	V	V	V	V				V		V
2.	Corn Sheller	157	Unit	V	V	V		V	V	V	V	V	V				V		V
3.	Winnover	280	Unit	V	V	V		V	V	V	V	V	V				V		V
4.	Power Tiller	500	Unit	V	V	V		V	V	V	V	V	V				V		V
5.	Pump 4"	34	Unit	V	V				V	V	V		V				V		V
6.	Pump 6"	98	Unit	V	V				V	V	V		V				V		V
7.	Pump 8"	15	Unit	V	V				V	V	V		V				V		V
8.	Insec : Ethopenprox	17,000	kg/l	V	V	V		V		V	V	V	V				V		V
9.	Insec : Cholorfluoron	20,500	kg/l	-	-	V	V	V				V		V	V	V	V	V	
10.	Validimycin A.	5,000	kg/l	-	-	V	V	V				V		V	V	V	V	V	
11.	Flotulanil	6,400	kg/l	-	-	V	V	V		V	V	V	V	V	V	V	V	V	V
12.	Mepronil	5,000	kg/l	V	V	V		V		V	V	V	V				V		V
13.	Rodenticide Diphacinone	10,000	L	V	V	V	V	V		V	V	V	V	V	V	V	V	V	V
14.	Liquid Fertilizer	5,000	L	V	V	V		V									V		
15.	Spare Part PT. Pertani	10	Lots	-	-					V	V						V		

Remarks : These machineries, pesticides, and fertilizers will be procured at 1989/1990 FY, and recently still under tender process.
The total of E/N and funding for these project have been approved by Government of Japan

PROJECT PROPOSALS
OF
DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE

FOR
BLUE BOOK 1989/1990

DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE
JAKARTA, MARCH 1989

PROJECT DIGEST

1. Project Title : SEED POTATO PROJECT

2. Location : West Java Province

3. Executing Agency : Directorate General of Food Crop Agriculture, Ministry of Agriculture

4. Objective :

To introduce and select of new varieties which are suitable for each producing area, to constantly produce and supply pathogen free good quality Foundation Seed by the rapid multiplication methode, to promote a stable supply of pathogen free Extension Seed Potatoes and to strengthen BPSB's activities.

5. Project Description:

The project proposed will be carried out the activities such are as follows:

a. Construction of laboratory for basic studies on the bio technology and facilitated by necessary equipment

b. Establishment of Foundation Seed Farm which is position as BBI unit with necessary facilities and equipment.

c. Technical trainings for improving capabilities of the staffs concerned in implemetation of multiplication and distribution programme for quality seed potato.

6. Scope of Assistance Requested:

a. For strengthening of LEHRI's activities	:	Y 171,000,000
b. For establishement of Foundation Seed Farm	:	Y 688,000,000
c. For strengthening of BPSB Inspection Activities :		Y 19,000,000
Total		: Y 878,000,000

7. Related to Project Aids:

This project is a part of the programme for food self sufficiency in Indonesia with the Japanese assistance.

PROJECT DIGEST

1. Project Title : Soybean Seed Project

2. Location : East Java

3. Executing Agency : Directorate General of Food Crop Agriculture, Ministry of Agriculture

4. Objectives :
   a. To develop appropriate technology and system for multiplication and distribution of high quality of soybean seed .
   b. To improve famers capability in applying post harvest apropriate technology and soybean cultivation in order to produce high quality seed.
   c. To accelerate transfer of techniques and carry out trainings for the private soybean seed growers.

5. Project Description :
   a. To construct buildings for seed processing and storage.
   b. To facilitate the Government Seed Farms with facilities for multipli cation and supply of qualified BS and FS
   c. To develop an effective and efficient distribution system
   d. To arrange and conduct the training and guidance on advance technology of soybean seed production.

6. Scope of Assistance Requested :

- Building	Y	112,600,000
- Equipment	Y	245,680,000
- Farm machinery	Y	35,000,000
Total		393,280,000

7. Related to Project Aid : This project is a part of the programme for food self - sufficiency in Indonesia with the Japanese assistance.

PROJECT DIGEST

Project Title	:	Pest and Disease Forecasting and Control Project Support Services
Location	:	Aceh, North Sumatera, South Sumatera, Lampung, West Java, Central Java, Yogyakarta, East Java, South Kalimantan, South Sulawesi
Executing Agency	:	Directorate General of Food Crops Agriculture, Ministry of Agriculture
Objective	:	To optimally utilize the existing "Food Crops Protection Centers" as well as "Crops Protection Field Lab." provided under "Pest and Disease Forecasting and Control Project" (ATA-389) by supporting them with equipments supply, provision training activities and operating cost.
Project Description	:	Lack of budget has caused the unavailability of certain vital supporting equipments and training activities have to be carried out under existing ATA-389 projects. In order to avoid those constraints, the supply of supporting equipments and provision of training and demonstration activities under this proposed project will be implemented together with its operating cost. The equipments and training and demonstration activities will be provided under this proposed poject will support "Food Crops Protection Centers" and "Crops Protection Field Lab.".
Implementation Period:		Two years (1990-1991)
Scope of Assistance	:	<u>External Input</u> - Supply of Supporting Equipments: Y 1,110,000,000 - Training and Demonstration: Y 850,000,000 Sub total: Y 1,960,000,000 <u>Government Input</u> - Operating Cost: Rp 350,000,000 - Taxes and Duties: Rp 100,000,000 Sub total: Rp 450,000,000

PROJECT DIGEST

1. Project Digest : Regional Center for Development of Appropriate Agricultural Engineering Technology

2. Location : West Sumatera, East Java, South Sulawesi, West Java, and South Kalimantan

3. Executing Agency : Directorate General of Food Crops Agriculture

4. Objectives : a. To improve the efficiency of agriculture production process by utilizing of agricultural machinery

b. To develop the locally appropriate engineering technology.

c. To improve the capability of farmers, extension workers, machinery operators and artisans in modifying and utilizing of machineries and equipments

5. Project Description : a. To construct buildings for Regional Centers for Development of Appropriate Agricultural Engineering Technology.

b. To fully utilize the establish regional centers, the activities to be carried out are as follows :

- Selecting, testing, evaluating, modifying and subsequently recommending appropriate agricultural machineries, tools and equipments

- Establishing testing and evaluating unit within regional centers where testing activities conducted

c. To carry out trainings for farmers extension workers, machineries operator and artisan.

6. Scope of Assistance Requested :

- Building Construction	:	Y 2,247,750,000
- Equipments and training	:	Y 375,000,000
Total		Y 2,622,750,000

PROJECT DIGEST

1. Project Title : Paddy Field Development on Tidal Area Project

2. Location : North Sumatera, Riau, West Sumatera, Jambi, West Kalimantan, South Kalimantan, Central Kalimantan and Irian Jaya.

3. Executing Agency : Directorate General of Food Crops Agriculture, Ministry of Agriculture.

4. Project Objectives : To develop land and increase land utilization for formating paddy and other food crops field on tidal area.

5. Project Description : The activities will be carried out are as follows :

   a. To expand and rehabilitate the paddy and secondary crops field and drainage system for improving food crops cultivation areas as well as to make the field bund and Surjan System on farming area.

   b. Training and extension activities to the farmer to improve their skill and capabilities.

   c. To train the Food Crops Agriculture Institution staffs in order to improve their capabilities for 1400 MM overseas and in country.

6. Implementation Time : 3 (three) years

7. Project Cost : Total cost : Y 12,492,750,000.00
   Local cost : Y 1,300,000,000.00
   Foreign exchange cost : Y 11,192,750,000.00

8. Amount Proposed for Donor Assistance : Y 11,192,750,000

PROJECT PROPOSALS FOR JAPANESE GRANT AID UNDER SECOND KENNEDY ROUND 1989/1990

DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE
MINISTRY OF AGRICULTURE
1989

PROJECT DIGEST

1. Project Title	:	Drought Solving at the Irrigated Rice Field in ex ADB Areas.
2. Location	:	West Sumatra, Bengkulu, South Sumatra, Bali, South Kalimantan, South East Sulawesi.
3. Executing Agency	:	Directorate General of Food Crops Agriculture, Ministry of Agriculture.
4. Objectives	:	To organize the system in which once drought occurs, Provincial Governments send the pumps to the sites where pumps are necessary and useful to ease the damage of rice and other food crops from drought
5. Project Description	:	Every year, farmers are suffering from drought and the production of rice and other food crops get much damage. This condition gives much pains to farmers and this is also the problem of national level for Indonesia. On the other hand, the damage from drought can be decreased much very often, by lifting water from the canals and the rivers in which water level has become low and water cannot be taken by normal ways, and from the temporary so, pump is very useful to ease the damage from drought. But it is very difficult for the farmer's organizations to keep the pumps always for the ocassion of drought that cannot be predicted when to come. Therefore it is reasonable and effective to arrange the system in that pump are kept at Provincial Governments (Provin - cial Argricultural Food Crops Service) and once drought occurs the are sent to the sites where that are necessary and useful.

6. Project Cost	:	Total Cost Y 147,797,000 Grant aid cost Y 134,397,000 Local cost Y 13,400,000
7. Ammount proposed for commitment	:	Y 134,397,000 (one hundred thirty four millions, three hundred ninetyseven thousand yens)
9. Related to project aid	:	This project is closely related to the program of "Cooperation for Promotion of Major Food Crops Production" with Japanese Technical Assistance.

PROJECT DIGEST

1. Project Digest : Special Programme For Major Food Crops Production Related to Supra Insus Program (ph. III)

2. Location : Ten Provinces : Aceh, North Sumatera, West Sumatra, South Sumatra, Lampung, West Java, Central Java, East Java , South Sulawesi, and West Nusa Tenggara.

3. Executing Agency : Directorate General of Food Crops Agriculture Ministry of Agriculture

4. Objectives : a. Immediate

- To strengthen supply of farm machineries for land preparation, harvesting and post-harvest activities at farmer group level.
- To make availability of production inputs and equipments for pre and post harvest handling sufficiently, timely at farmers level

b. Long range

- To assist farmers in inreasing food crops production through Supra Insus Programme.
- To sustain and to increase of rice and palawija production, to decrease the cost of agricultural production and to increase small farmers' income
- To contribute the succes of self-sufficiency in food crops production.

5.	Project Description	:	The Project will be carried out the activities to supply production input such as fertilizer, agricultural equipments and machineries
6.	Implementation Time	:	1988/1989
7.	Project Cost	:	Total cost Y 530,217,300 Grant Aid Cost Y 480,743,000 Local Cost Y 49,474,300
8.	Amount proposed for comitment	:	Y 480,743,000
9.	Related to Project Aid	:	ADB's Project, Major Food crops Production Japanese Cooperation Programme.
10.	State of Project Preparation	:	This project is supporting the proposal for Major Food Crops Production especially related to Supra Insus Programme in Indonesia.

PROJECT DIGEST

1.	Project Title	: Development of Food Crops Farming on Tidal Swamp Area
2.	Location	: North Sumatera, Riau, Jambi, South Sumatera and South Kalimantan
3.	Executing Agency	: Directorate General of Food Crops Agriculture, Ministry of Agriculture
4.	Project Objective	: To increase of tidal swamp area utilization for paddy and secondary food crops cultivation and to improve appropriate cropping patern for food crops as well as to increase the farmers capability on farming management for supporting of the development of agriculture production programme.
5.	Project Description	: In order to increase of tidal swamp land utilization for paddy and secondary crops, the project will be carried out the activities such as : a. Supply the equipment for construction of the surjan system to the farmers group. b. Construction the surjan system on farmers land by use the escavator c. Extension, and quedance to the farmers about utilize of surjan system and proper croping pattern for the surjan system according to field condition
6.	Scope of Assistance Requestd	: Total Cost ≈ Y 75,500,000.00 Grant Aid Cost ≈ Y 65,000,000.00 Local Cost ≈ Y 10,500,000.00
7.	Related to Project Aid	: This project is closely related to the programme of "Cooperation for Promotion of Major Food Crops Production" with the Government of Japan aid.

Project Digest

1. Project title : Development of Food Crops Production Through Fertilizer Application and Plant Protection.

2. Background : Pest, Desease and shortage of fertilizer application are three serious obstacles restraining increase in food crops production as well as decrease of land nutrient particularly on rice, soybean and others. To prevent yield losses, an early warning system and timely control mechanism is very important. Therefore a quick comunication system and agriculture input delivery system is needed. Key pests and desease considered important are :

a. Rice :

Insect pests (brown planthopper, rice stem borer and army worm).

b. Soybean :

- insect pests (army worm, cut worm, roller)
- rodent pest (rat)

The outbreak of the key pests and desease had caused a great yield losses. therefore improvement the food crops protection activities based on Integrated Pest Management system is very important.

Meanwhile in many cases where the quick impact is required, the pesticides is still needed to avoid the damage caused by pest and desease. The provisions of fertilizers become very important,

Since measures to supply adequately balanced plant nutrient are badly required. The sulfur deficiency in soils in the project areas are widely observed and measures to cope with these problems are very required.

To achieve the aim of increase in food production, it is always very necessary to give proper guidance to farmers especially in the timely N-P-K balanced application of fertilizer depending on soils. In the projected area, focusing on phosphorus, magnesium deficiencies in soils.

It is necessary to expand the use of land of marginal quality to increase overall food production, and farmers have been vigorously challenging this problem in line with the guidance set by the Directorate General of Food Crops Agriculture.

To assist this movement, the introduction of compound fertilizer is essentially required. These can effectively help cope with problems of inferior soil, which the usage of straight fertilizers such as urea, TSP, KCL only can not properly overcome.

4. Executing Agency : Directorate General of Food Crops Agriculture, Ministry of Agriculture

5. Objectives

5.1. Immediate :

a. To strengthen the existing Crop Protection Brigade in order to prevent and reduce yield losses due to pest and desease outbreaks

b. To improve production and the existing pests and deseases surveillance, forecasting and early warning system by providing the means of communication and necessary supporting equipments and facilities.

c. To transfer the technology how to use an effective pesticide properly

d. To improve the demonstration farm activities in the farmer's land for increasing of food Crops Production through balance fertilizer application and plant protection.

e. To decrease the cost of agricultural production and to increase small farmer's income.

5.2. Long range : a. To sustain the success of maintaining self sufficiency in rice and soybean.

b. To assist farmers in increasing food production of agricultural crops such as rice and soybeans, in order to achieve the target as stipulated in the Pelita V (Fifth Development Plan) 1989-1994.

6. Project description : This project is directed toward the improvement of food crops protection activities and food crops production increase.

Supply of Fertilizers and insecticides for increase in food production, and to control the major pests and desease, beside of to decrease production cost

7. Implementation time : 1988/1989

8. Project cost : Total cost : Y 93,500,000
Local cost : Y 8,500,000
Foreign exchage : Y 85,000,000

9. Amount Proposed for Commitment : Y 85,000,000

10. Related to Technical Assistance : This Project related to ATA-389 and ATA-162 and grant aid under Second Kennedy Round Programme in the last years.

11. Stage of Project : This project is supporting the proposal for food self sufficiency in Indonesia.

Review of the Progress on Major Food Crops Production Programme
Agency DGFCA

Field	Name of Project	Objective	Expected Out Put	Activities	Progress
I. Multiplication and Distributin of Improved Seed	1. Contrucrtion for Seed Processing Centre (5 provinces in the first phase)		- 5 SPC should be constructed in the first phase	- Construction of building - procurement of equipment	The re-study was conducted and the final report was submitted to G/I on Dec.19, 1987. The project implementation was started on June 6, 1989 and will be completed on June 1991.
	2. Seed Multiplication Equipment Supplementary for Seed Technology laboratory and Pilot Processing Unit for Staple food (F.G. 87/88)				- All equipments were provided by March 1989.
II. Strengthening of Crops Protection	1. Plant Protection (ATA-162) Extension Period)				As results of joint evaluation study conducted on Januari 1985, the project extended up to March 1987
	2. Food Crops Protection Project (ATA-162) (Phase II)				Based on R/D signed in Februari 1987, the project (phase II) was started from April 1, 1989 Dr. Nasu (Leader) and 4 experts are angage in the project
	3. Pesticides Supply for Crops Protection Scheme (F.G. 86/87)				Delivery of Pesticide was completed
	4. Improvement of Food Crops Protection Scheme (F.G, 88/89)				The E/N was signed in Dec. 1988 the contract will be signed soon
	5. Rice Pest Forecasting and Control (ATA-389) (Phase I) (G.G. 85/86)			- Construction of building in Jatisari and 3 others provinces	Constructions works were completed in March 1987
	6. Rice Pest Forecasting and Control (6.6.86/87)			- Construction of building in 1 province - procurement of equipment in 4 provinces	- Construction works and delivery of equipment were completed in Marchh 1988.

Field	Name of Project	Objective	Expected Out Put	Activities	Progress
	7. Rice Pest Forecasting and Control (6.6 87/88)				Construction works were completed in March 1989
III. Regional Application Trial and Demonstration of Agricultural Technology					
IV. Irrigation and Water Management	1. Drought Solving at the Irrigated Rice Field (ex. ADB) (F.G. 88/89)				the E/N was signed in December 1988 the contract will be signed soon
V. Improvement of Post Harvest Treatment and Processing	1. Improvement of the Rice Government Owned Enterprise Level (P.T.Pertani) (F.G. 87/88)			- procurement of machineries	The The machinery was provided by March 1989
	2. Improvement of Rice Processing Facilities at the Government Owned Enterprise Level (P.T.Pertani) (F.G.88/89)			- procurement of machineries	The E/N was signed in December 1988
VI. Agricultural Mechanization	1. Centre for Development of of Appropriate Agricultural Engineering Technology (ATA-220)			- System analysis - Training - Design and Development - Construction of building	- Project wa started in April 1987 - Mr. IRIE (leader) and 5 experts are angaged in the project - Construction was completed in March 1987
VII Others Field	1. Special Programme for Major Food Crops Production Related to Supra Insus Programme (F.G. 87/88)				- the equipment was provided by March 1989
	2. ditto (phase II) (F.G.87/88)				- the E/N was signed in December 1988. The contract will be signed soon
	3. Equipment Supply for the supervision and monitoring of the Programme (G.G)				- the equipment were delivered

I R R I G A T I O N

PROGRESS ON JICA TECHNICAL ASSISTANCE PROJECT AT DGWRD FOR THE PROMOTION OF MAJOR CROPS PRODUCTION

NO.	PROJECT TITLE	OBJECTIVES	PROGRESS	REMARKS
1.	BTA-103 : Lower Asahan River Basin Dev. (Master Plan). Location : North Sumatera.	To conduct a M/P Study on Lower Asahan River Basin Development Project covering the priod 2005 A.D. from the viewpoint of such long-range policies as raising agricultural productivity, making employment opportunity, promotion transmigration and bettering living standard in the region.	- Mapping Works, Febr. - August 89. - Master Plan Study Part II, April 89 - March 1990.	
2.	BTA-110 : Assistance for Irrigation and River Improvement Project. Location : Scattered in Indonesia	To strengthen the Directorate General of Water Resources Development on the basic policy and planning for supporting the construction of the Irrigation Development Program.	Eight (8) Colombo Plan Expert in Irrigation Engineering in Jakarta, Bandung, South Kalimantan, North Sumatera, and Bekasi.	1. Individual Experts (5) for Central Government. 2. Individual Experts (3) for Provincial Public Works Services.
3.	BTA-160 : Negara River Basin Overall Irrigation Development. Location : South Kalimantan.	To increase food production by development of Irrigation, Drainage & Reclamation Facilities in Negara River Basin.	Draft Final Report has already discuss between JICA and DGWRD on March 29, '89.	
4.	BTA-163 : Feasibility Study on Air Selagan Irrigation Project. Location : Bengkulu.	- To promote paddy production by developing the new irrigation system in project area. - To contribute to the transmigration projects and support transmigrated farmers by increasing their income, then their living standard will be levelled up and stabilized.	Scope of Works has already discuss between DGWRD and JICA Preliminary Study Team, in February 1989. Feasibility Study Team JICA in July 1989	

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NEW PROJECT PROPOSAL OF THE DGWRD FOR THE PROMOTION OF MAJOR CROPS PRODUCTION

NO.	PROJECT TITLE	OBJECTIVES	PROGRESS	REMARKS
1.	BTA-195 : Irrigation Engineering Services Centre (IESC). Location : Bekasi, West Java.	- To strengthen institutional capability of the Directorate General of Water Resources Development in the field of irrigation dev. practices; - To train the project staff and the provate sector in the development of irrigation technology; - To provide required equipment for the centre	Formal request from Set.Cab. to Embassy No. KL.01.01/ANCP/919 dtd 31/8/88.	The assistance is urgently required
2.	BTA-169 : Nias Island Irrigation Project (F/S). Location : North Sumatera.	To increase food crop production by improving irrigation and drainage systems and developing small scale irrigation system to serve an area of about 14,000 Ha.	Formal request from Bappenas to Embassy No. 056/D.IV/I/89 dtd 7/1/89.	The assistance is urgently required
3.	BTA-222 : Master Plan for Overall Irrigated Agricultural Development in Kusan and Batulicin River Basin. Location : Kota Baru District, South Kalimantan.	- To formulate a development plan for irrig. agricultural development in Kusan and Batulicin river basin (5,200 sq. km approx), under the framework of integrated rural improvement programme; - To stimulate the regional economy and to attain self-sufficiency of rice production under the optimal water resources development plan in the region.	Formal request from Bappenas to Embassy No. 056/D.IV/I/89 dtd 7/1/89.	The assistance is urgently required
4.	BTA-194 : Study for Rokan River Basin Overall Irrigation Dev. Plan. Location : Riau Province.	To prepare an overall irrigated agricultural development plan with the emphasis on an appropriate allocation of the available water resources for prospective irrigation projects in the Rokan River Basin by taking into consideration the related water resources dev. projects in other sectors.	Formal request from Bappenas to Embassy No. 056/D.IV/I/89 dtd 7/1/89.	The assistance is urgently required
5.	Establishment of laboratory for Model Test of Irrigation in Coastal Area.	- To enable hydraulic model test of new technology for coastal area development and Tidal Area Reclamation. - To enhance the accuracy of hydraulic test and to produce proper technical application and innovation for hydraulic structures of irrigation project. - To develop and diffuse design criteria on hydraulic structures of irrigation project through systematic training programme.	Formal request from Set.Kab. to Embassy No. KL.01.01/ANCP/017 dtd 5/7/1989 and from Bappenas No. 4834/D.IV/12/88 dtd 22/12/1988.	The assistance is urgently required

NO.	PROJECT TITLE	OBJECTIVES	PROGRESS	REMARKS
		- To support and increase of food production and promotion of fish cultivation by coastal fish pond dev. as one of major exporting commodity of non oil product in line with Repelita V.		
6.	Swampy Area Rehabilitation & Maintenance for Promotion of Food Crop Production. Location : Riau, Jambi, South Sumatera, Lampung, West Kalimantan, Central Kalimantan and South-Sumatera Provinces.	Increase of food crop production by intensification, maintenance and extensification, maintenance of drainage canals.	Under request	The assistance is urgently required
7.	Small Irrigation Ponds for Supporting the Promotion of Food Crop Production. Location : East Nusa Tenggara, West Nusa Tenggara and East Timor.	To ensure three crops a year and prevention of flood from entering paddy fields during rainy season.	Under request	The assistance is urgently required
8.	Reconditioning Facilities for Construction Equipment and Irrigation Structure. Location : East Java and Madura, Bali, West Nusa Tenggara, East Nusa Tenggara, East Timor, Maluku, Irian Jaya, North Sulawesi, Central Sulawesi, Southeast Sulawesi and South Sulawesi.	Procurement of workshop equipment for the construction Equipment and Irrigation Structure.	Under request	The assistance is urgently required

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Project Digest

1. Project Title : FEASIBILITY STUDY ON NIAS ISLAND IRRIGATED AGRICULTURAL DEVELOPMENT PROJECT.

2. Location : North Sumatra

3. Executing Agency : Directorate General of Water Resources Development, Ministry of Public Works.

4. Objectives : To implement feasibility study for irrigated agricultural development project centering an irrigation project of about 7800 ha, under the framework of integrated rural improvement programme.

To increase rice production and to raise rural living standard in the isolated island of Nias.

5. Project Descriptions : The proposed project in Nias Island is located 135 Km far west from Sumatra Island in the Indonesian Ocean. The island has 5,450 Km^2 of land area and 498,000 of population.

The regional economy has been left behind the development because of the isolated island. However the agriculture is survivor occupation and 87% of household is farmer. rice production is short to the local consumption due to the poor agricultural infrastructures. The ratio of the irrigated paddy field is only 15%.

The island is faboured with climate for the irrigated agricultural development.
Total potential areas of about 14,000 ha for irrigation development are scattering at the alluvial plains of river mouth. Construction of Gido Zebua irrigation systems was started in 1976, but it is now under hard going because of the present financial depression and bad physical conditions of soil for the main canal.

The project will be composed from the irrigation project with benefited area of 7,300 ha and related sectoral components selected by priority ranking study. The feasibility study for the proposed project will be implemented under the framework of integrated rural development programme, because the programme shall be the most powerful prescriptions together with irrigated agricultural development for the eraducation of mass poverty in such an isolated island.

6. Scope of Assistance Required :

a.	Expert Services	: 73 m.m.	.....	US$	1,095,000
b.	Local Consultant	: 64 m.m.	.....	US$	192,000
c.	Fellowships	: 15 m.m.	.....	US$	40,000
d.	Equipment	:	.....	US$	150,000
e.	Topo-mapping	: 200 Km^2	.....	US$	323,000
			Total :	US$	1,800,000

7. Related to project aid : -

Project Digest

1. Project Title : Master Plan for Overall Irrigated Agricultural Development in Kusan And Batulicin River Basin

2. Location : Kotabaru District, South Kalimantan Province

3. Executing Agency : Directorate General of Water Resources Development, Ministry of Public Works

4. Objectives : To formulate a development plan for irrigated agricultural development in Kusan and Batulicin river basin (5,200 sq. km. approx.), under the framwork of integrated rural improvement program.

To stimulate the regional economy and to attain self-sufficiency of rice production under the optimal water resource development plan in the region.

5. Project Descriptions : The proposed area is located at south eastern part of mainland Kalimantan, facing Laut Is. Two main rivers, Kusan and Batulicin in Kotabaru District have their river basin of total 5,200 sq. km. approximately.

In spite of large potentials, the regional economy has been left behind the development due to lack of sufficient investment.

Rice production there has been almost depending on rain, and is short to the local consumption due to the poor agricultural infrastructures. The ratio of irrigated paddy field in Kotabaru district is only 5.7%. Furthermore, any technical irrigation has not yet introduced in the district.

Two river basin is favoured with natural conditions such as climate, topography, soil and geology for the irrigated agricultural development, and its potentials are very high. Construction of an intake weir was made at a branch of Batulicin river in 1980 under World Bank Sector Loan, but it does not function well due to present financial depression to construction of the main canal. Water resources development in both river basin is highlighted.

The project will be composed of master planning of two river basin (5,200 sq. km) to delineate the potential areas, as well as priority ranking study within the framework of integrated rural development program, including hydroelectic power and water supply scheme.

6. Scope of Assistance Required:

a) Expert Services	:	US$1,800,000.-
b) Fellowship	:	US$ 54,000.-
c) Resources Analysis	:	US$ 100,000.-
d) Topo-mapping	:	US$ 700,000.-
e) Equipment	:	US$ 213,000.-
Total	:	US$2,867,000.-

7. Related Project Aid : Nil

PROJECT DIGEST

1. Project Title : The Rokan River Basin Overall Irrigation Development Study in Riau Province.

2. Location : Riau Province, Indonesia.

3. Executing Agency : Directorate General of Water Resources Development (DGWRD), Ministry of Public Works.

4. Objectives : To formulate a comprehensive study for the most appropriate allocation of the available water resources to prospective irrigation projects paying attention to the development of other sectors, and to recommend the priority for development.

To contribute to the implementation of the successive study on individual projects with high priority and,

To contribute to the arrangement of the transmigration projects in the area.

5. Project Description : The Rokan river catchment area is about 23,103 sq.km and it has main tributaries are Rokan Kiri and Rokan Kanan.
There are several proposed and on going projects along the Batang Lubuk and Rokan Kiri river. Along the Rokan Kiri 30,000 ha PNP rice estate has been proposed, covering 7,000 ha in the first stage.
In addition, a number of schemes are proposed or on going along the coast, particularly at Kubu and Mesjid river.
Potential irrigable area are Bt.Lubuk 36,000 ha, Rokan Kiri 34,000 ha, Bt.Kumu 7,000 ha, Bt.Sosa 3,000 ha, Kubu 3,000 ha and S.Rokan 56,000 ha.

6. Scope of Assistance Required :

Expert service	110 MM	:	US $ 1,100,000
Fellowship	10 MM	:	US $ 50,000
Equipment		:	US $ 100,000
	Total	:	US $ 1,250,000

7. Duration of study : 14 months.

Project digest

Code No. VTA - 17

1. Project Title : ESTABLISHMENT OF LABORATORY FOR M... TEST OF IRRIGATION IN COAST... AREA.

2. Location : Serang Mekar, Subdistrict of Ciparay, Regency of Bandung, about 20 Km. South East from Bandung, West Java.

3. Executing Agency : Agency for Research and Development, Ministry of Public Works.

4. Objections :
   1). To enable hydraulic model test of new technology for coastal area development and tidal area reclamation.
   2) To enhance the accuracy of hydraulic test and to produce proper technical application and innovation for hydraulic structures of irrigation project.
   3) To develop and diffuse design criteria on hydraulic structures of irrigation project through systematic training programme.
   4) To support and increase of food production and promotion of fish cultivation by coastal fish pond development as one of major exporting commodity of non oil product in line with Repelita V.

5. Project Description : Expansion of hydraulic test facilities :
   1) Laboratory and administration office building. : 7.900 M^2

	2) Facilities	: wave generator, test canal and related apparatus
	3) Equipment	: Computer, vehicles, etc.
6. Implementation Period	:	Twelve (12) months.
7. Project Cost	: Total cost	: Rp.20.219 million
	Local cost	: Rp. 219 million
	Foreign cost	: Rp.20.000 million
	(Approx.	¥ 1.600 million)
8. Amount Proposed for Commitment	:	¥ 1.600. million.
9. Related to Technical Assistance	:	B T A - 110, Assistance for irrigation and river improvement.
10. Stage of Project Preparation	:	Land, supply of water and basic supply of electricity have been acquired.

PROJECT DIGEST

(1) PROJECT TITLE	:	Swampy area rehabilitation and maintenance for promotion of food production
(2) LOCATION	:	Riau, Jambi, South Sumatera, Lampung, West Kalimantan, Central Kalimantan and South Sumatera province.
(3) OBJECTIVES	:	increase of food crop.production by intensification and extensification, maintenance of drainage canals.
(4) NAME OF CROPS	:	Rice, corn and soybeans
(5) EXECUTING AGENCY	:	Directorate General of Water Resources Development, Ministry of Public Works
(6) PROJECT DESCRIPTION	:	Swamp area development is conducted in stages. After first step of expanding the area suitable for agriculture, then this second stage of maintenance of drainage canals is proposed.
(7) IMPLEMENTATION TIME	:	within one year
(8) TOTAL AMOUNT FOR COMMITMENT	:	Yen. 227.000.000,--

SPROJECT DIGEST

(1) Project Name : Small Irrigation ponds for supporting the promotion of food crop production.

(2) Location : East Nusa Tenggara, West Nusa Tenggara and East Timor.

(3) Objectives : to ensure three crops a year and prevention of floods from entering paddy fields during rainy season.

(4) Name of crops : Paddy and palawija.

(5) Executing Agency : Directorate General of Water Resources Development, Ministry of Publik works.

(6) Project Descreption : Low rainfal and short wet season have been a long constraint towards a year long agriculture. Instead of construc- ting a small scale dam irrigation, a water pond is con- sidered more beneficial. Water proofing sheets is employed to reduce the seepage of water. Using suitable construction machinery, a more timely irriga- tion will be realized.

(7) Implementation time : one year

(8) Proposed amount for commitment : Yen. 103.000.000

C O O P E R A T I V E

Review of the Progress on Major Food Crops Production Programme
Agency Department of Cooperatives

Field	Name of Project	Objective	Expected Out Put	Activities	Progress
I. Multiplication and Distribution of Improved Seed					
II. Strengthening of Crops Protection					
III. Regional Application Trial and Demonstration of Agriculture Technology					
IV. Irrigation and Water Management					

	Field	Name of Project	Objective	Expected Out Put	Activities	Progress
V	Improvement of Post Harvest Treatment and Processing	Training facility for Integrated Improvement of Post Harvest and Quality of Rice (RTA-136)	- To provide on the job training to KUD's staff and management - To aquire high technology of rice milling through demonstration - To demonstrate the pratical method of loss minimication and increase quality of rice	Development of the capabilities of Cooperative organization for handling and managing the rice milling business already available at KUD's all over Indonesia	- To construct training facilities - To provide equipments - Consultant assigment	The training facilities are being constructed and expected will be ready on April 1990
		Supply pre and post harvest equipment (IP-268)	- To increase food production through KUD - To improve the rice quality	- To achieve farmers income through KUD - To achieve capability of KUD in pre and post harvest treatment	- Consultant assigment - To provide equipments - To provide training on the job-site	Distribution of equipments has finished in 7 Province (West Java, Central Java, East Java Yogya, Bali, MTB and South Sulawesi), comissioning is being carried out
		The Second Kennedy Round Project	- To increase food production through KUD. - To improve the rice quality	- To achieve famers income through KUD - To achieve capability of KUD in pre and post harvest treatment	- Expert assignment - To provide equipments	- Phase VII (Fiscal years 88/89 was finished and now is waiting for the approval of using the balance from JICA
VI	Agricultural Mechanization					

PROPOSED PROJECT UNDER UMBRELLA PROGRAM
FOR PROMOTION OF MAJOR FOOD CROPS PRODUCTION
AGENCY CONCERNED : Dept. of Cooperatives.

NO.	F I E L D	COOPERATIVE	GRANT AMOUNT
I.	Multiplication and distribution of distribution :		
	- Rice	---	---
	- Soybean	---	---
	- Potato	---	---
II.	Strengthening of crops		
	- Rice	---	---
	- Soybean	---	---
	- Potato	---	---
III.	Regional application trial and demonstration of agriculture techno - logy		
	- Rice	---	---
	- Soybean	---	---
	- Potato	---	---
IV.	Irrigation and water management		
	- Rice	---	---
	- Soybean	---	---
	- Potato	---	---
V.	Improvement of post harvest treatment and Processing		
	- Rice	1. Improvement of Post Harvest Technology for increasing of food production and increasing of the standard quality of rice and cash crops at KUD's level (Second Kennedy Round, for Phase IX).	597,960,000 Yen.
		2. Supply of facility and equipment for establishment of work shop to supply wearing parts for RMU.	550,000,000 Yen
		3. Improvement of cooperative management in KUD's activities.	300,000,000 Yen

NO.	F I E L D	COOPERATIVE	GRANT AMOUNT
		4. Master Plant Survey on utilization of Post Harvest waste and by products.	
		5. Training facility for integrated improvement of post harvest and rice.	
		6. Individual expert for : - Agriculture economic. - Agriculture industry	
VI.	Agricultural mechanization - Rice - Soybean - Potato	--- --- ---	--- --- ---
VII.	Others	---	---

DIRECTORATE GENERAL OF BUSINESS
PROMOTION FOR COOPERATIVES.

file:deptan2/mj

1.	Project Title	: Improvement of Cooperative Management in KUD's Activities.
2.	Location	: INKUD, Central office, 24 provincial and 24 PUSKUD offices.
3.	Executing Agency	: Directorate General of Business Promotion Ministry of Cooperatives.
4.	Objectives	: To exchange and collect data each thgather of cooperative business and institutional activities on Cooperative Village Unit (KUD) in the provincial level.
5.	Project Description	: To establish the communication system and network from Cooperative Village Unit (KUDs) through PUSKUD and Provincial Office of Ministry of Cooperative and to INKUD and the Ministry for Cooperative in Jakarta.
		: To establish systematic improvement of cooperative management and activities by utilizing of communication system and network.
6.	Scope of assistance	: To supply and install short wave radio transmitter receiver (Single Side Band) with telex input / output system, antena wires and accesories 50 sets.
7.	Estimated Cost	: Approx ¥ 300,000,000.
8.	Implementation Term	: Expected in fiscal year 1989/1990.

PROJECT DIGEST

Code No. RTA-136

1. Project Title	:	Project Type Technical Cooperation on Training Facility for Integrated Improvement of Post Harvest and Quality of Rice (TFIIPHQR) *)
2. Location	:	Desa Ganda Sari, Kacamatan Cibitung, Kabupaten Bekasi, West Java.
3. Executing Agency	:	Directorate General of Cooperative Business Promotion, Ministry of Cooperatives.
4. Objectives	:	To provide on-the-job training to KUD's staff and management To aquire high technology of rice milling through demonstration To demonstrate the practical method of loss minimization and increase quality of rice.
5. Project Description	:	The proposed project is designed to develop the capabilities of cooperative organization for handling and managing the rice milling business already being available at KUDs all over Indonesia.
6. Scorp of assistance requested	:	Project Type Technical Cooperation by the Government of Japan a. Project Formulation study b. Experts assignment c. To provide equipments
7. Related to Project	:	General Grant Aid by the Government of Japan. For supporting Post Harvest Projects assisted by the second Kennedy Round and OECF Loan Program.

*) Blue Book Fiscal Year 1988/1989

PROJECT DIGEST

1. Project Name	Supply of Facilitiy and Equipment for Work-shop to Supply Wearing Parts for the Rice Milling Units.
2. Location	Mojokerto, East Java.
3. Executing Agency	Directorate General of Cooperative Business Promotion, Ministry of Cooperative.
4. Objectives	To establish the work-shop for supplying wearing parts such as abrasive roller as most important spare parts for the rice whitening machine which is operating at KUDs for its activity of rice procurement and farmer's home consamptions.
5. Project Discription	KUDs who received the rice milling units under the programe of 2nd KR have been faced some difficulty on procurement of spare parts especially abrasive roller for its rice whitening machine. The same difficulty will be considerable on OECF Loan project which is now providing similar rice milling units for KUDs The government of Indonesia is planning to supply these wearing parts to KUDs which its equivalent amount will be deposited, and its proceed will be utilized for next wearing parts procurement. The establishment of such work-shop equipment will surely leads each KUDs to more strong position in maintenance capability if rice milling activity.
6. Implementation Term	Expected in fiscal year 1989/1990.
7. Estimated Cost	About ¥. 550,000,000.
8. Related to Project	Grant Aid for Increase Food Production (2nd KR). OECF Loan Project. General Grant Aid for establishment of Training Facility for Post Harvest Technology.

PROJECT DIGEST

1. Project Name : Master Plan Survey on Utilization of Post Harvest Waste and By-products

2. Location : East, Central and West Java and South Sulawesi

3. Executing Agency : Directorate General of Cooperative Business Promotion,
Ministry of Cooperatives.

4. Objectives : To study the possibility of utilization of post harvest waste and by-products.

The project shall study on possibilitis of utilization of post harvest waste and by-products in this field such as :

1) Utilization of Rice Husk as the fuel of Husk fired Generator.

2) Utilization of ash provided by Husk Fired Generator as "Soil Improvement Material", substitutive fuel in rural area, "the Stabilization Material for Iron Industry" and "Material for Ceramic Industry" etc.

3) Utilization of Rice Bran as the material of rice bran oil production.

4) Utilization of De-Oiled-Bran as the material of animal feed.

5) Utilization of Germ as the special healthy food which contain lot of vitamin B, E and as the material of paint etc.

6) Utilization of Broken Rice as the material of various type of processed Food.

5. Project description :

The main activity of the project is to collect base line data for utilization of post harvest waste and by-products which are thrown away or sold out in very cheep prices, though they have a big possibility to be utilized as useful materials for the various field.

The scope of project covers compilation of possible methods on socio and agro-economic condition in KUDs level through adding value to the post harvest waste and by-produts.

6. Implementation Term : 1 year (1989/1990)

7. Whether similar project is requested to other countries or International Organization : No

8. Record of provision of similar project by other countries or International Organization : Nihil

SEKRETARIAT NEGARA
SEKRETARIAT KABINET RI

Jakarta, 29 April 1989

No. KL.02.00/ANCP/488

Mr. Toshiro Nakagaki
First Secretary
Embassy of Japan
JAKARTA

Dear Mr. Nakagaki,

EXPERTS' ASSIGNMENTS TO THE DIRECTORATE GENERAL OF BUSINESS PROMOTION FOR COOPERATIVES

I would like to submit a technical assistance request for the services of two experts to be assigned to the Directorate General of Business Promotion for Cooperatives, Ministry of Cooperatives.

The experts required are:

- One as Agricultural Economist to the Directorate of Agriculture and Estate
- One as Agro-Industry Specialist to the Directorate of Industry and Rural Electrification.

For your perusal I enclose the Application Forms for the provision of experts.

I would highly appreciate your kind assistance in forwarding this request to your Government for their favourable consideration and approval.

Thank you for your continued cooperation.

Sincerely yours,

M. Moersalin Parindury
NIP. 180001267
for Head,
Bureau for Technical Cooperation

CC:

1. Sdr. Sekjen. Dep. Koperasi.
2. Sdr. Dirjen. Binuskop, Dep. Koperasi.
3. Sdr. Kepala Biro KELN, Bappenas.
4. JICA Indonesia Office Jakarta.

TRANSMIGRATION

A A R D

(AGENCY FOR AGRICULTURAL RESEARCH AND DEVELOPMENT)

Review of the Progress on Major Food Crops Production Programme
Agency by Ministry of Transmigration

Field	Name of Project	Objective	Expected Out Put	Activities	Progress
I. Multiplication and Distribution of Improved Seed					
II. Strengthening of Crops Protection	Planning for Production Improvement/Second Jenendy Round in Transmigration Areas	Improvement of Crops Production in Sumut, Kalsel, Kalteng, NTB and Sultura	Provision of : - Mouse Puse - Insecticide - Fungicide - Herbicide - Mist Blower	KUD Guidance and Development Using those Materials/ Equipments	Delivery of : Materials and equipments to each site
III. Regional Application Trial and Demonstration of Agriculture Technology	ditto	ditto	Introduction of *Tractor to farmers*	Demonstration in tractor operation	Demonstration completed for Kalsel. Preparation for tractor assembling in other provinces
IV. Irrigation and Water Management	ditto	ditto	Provision of : - Solar Pump	*KUD Guidance using those* equipments	*Preparation for Solar Pumps* Assembling
V. Improvement of Post Harvest Treatment and Processing	ditto	ditto	Provision of : - Rice Huller - Rice Polisher - Soybean Cake Miller - Cassava Cutter	ditto	Preparation for Assembling
VI. Agriculture Mechanization	ditto	ditto	Provision of : Tractor	ditto	Preparation for Tractors Assembling