K - 2ESTIMATED SCHEDULE OF EXPENDITURES (ECONOMIC)315K - 3CALCULATION OF WATER CHARGE316K - 4FARM BUDGET317

K - 1

APPENDIX K PROJECT EVALUATION

ESTIMATED SCHEDULE OF EXPENDITURES (FINANCIAL)

Page

93,725 10,731 12,226 μ 2,266 99:312) 4,967 29, 186 19,584 166,612 122,911 22,215 16,388 5.7S0 64,950 3,566 81,499 76,531 Total (Unit: thousand pesos) 27,960 58,720 • 71,534 7,035 5,779 55, 387 138,652 71,534 :**1**, F 2,611 12,884 1,681 6,700 11,203 β 261 10,518 685 (13,697 2,861 10,257 • 1981 3,693 6.455 4,247 3,693 554 2,208 861 . 832 . 6,845 20,250 8,303 28, 553 261 (21, 279) 1.064 17,609 3, 807 2,641 I.6. 545 IS, 709 1980 2,806 5,952 9,651 1, 287 4,416 832 5.952 • 803 20 6,968 R 261 29,445 3,926 357 (23.450) 22,477 1,150 18, 372 1,173 19,545 2,932 16,604 4 1979 9,024 5,085 29,110. 38,134 25,313 1.407 23,074 • 25, 313 832 . • • 3, 797 R 33,743 261 6,085 P 1,150 22,556 24,050 27,658 713 29,675) 1,484 3,608 20,442 499 ĥ 1978 27,301 22,378 4.923 2,919 19,459 15,110 3,517 832 19,459 3,640 1 **آ**ر: ŝ, , i В 8,898 1.068 996.6 1 329 712 308 7,737 1,161 2,875 1,938 8 577 429 1,783 ł 1 1977 8,934 2,356 83, 383 11,118 1,040 15,706 15,706 74.449 1,407 56, 387 13,259 £ U, ≥. Ļ 1,620 510 216 Ч 217 (2,634) 1,223 1,355 203 1,558 3 132 1976 212 623 1,411 Ş I,688 1,411 55 1,411 R. ï II. Gov't Administration b. Construction Works a. Preparation Works d. Land Acquisition.. e. Engineering VI. Price Escalation Sub-total Sub-total c. Materials I. Initial Cost III. Contingency VII. Grand Total (EOX × 220) TV. Equipments V. Total

APPENDIX K-1 ... ESTIMATED SCHEDULE OF EXPENDITURES (FINANCIAL)

Note: Figures in parenthesis are including indirect foreign currency costs.

Price escalation has been enumerated by computing the estimated rate (3% per annum for both the foreign and local cost) of price increase in prior year and one half of the rate of increase in the year concerned.

- 3,453 6,215 2,762 8,339 12,481 123,182 87,510 82,265 93,725 <u>1,623</u> 1,558 23,790 8,898 34,244 27,658 41,794 22,477 13,392 20,250 8,339 12,834 123,182 93,725 210,692 40,917 (Unit: Thousand Pesos)
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 5,728
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 2,468
 30,836
 60,328
 60,328
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 33,011
 - <u>631</u> <u>30,836</u> 65,228 65,328 357 1.042 685 861 713 - 182 į Tax on Local Contractor • Project Cost* Land Acquisition Total Economic Cost Equipment Cost Total Less

APPENDIX K-2 ESTIMATED SCHEDULE OF EXPENDITURES (ECONOMIC)

Note: • Initial Investment cost excluding Price Escalation and Equipment Cost Salvage value of equipments is estimated at PIS,470,000 (27.4% of total equipment cost).

315-

	12.790		TRIAT	second Crop tal per ha	Total Total	il per ha
			13,200		25,990	
MALILLEILAILCE OI LANAL	755,400 55	59.06	779.600	59 06	1 5 75 000	CO O Z
		11.70	154.400	22.22 11 70	204 000	00.90
Operation of Pump* 711			1,066,800	80.82	1.778,000	LY 23
Maintenance of Road** 319		25.01	330,100	25.01	650.000	25, 01
	226,900 17	17.74	234,100	17.74	461,000	17.74
Total 2,163,000		169.12	2,565,000	<u>194.33</u>	4,728,000	<u>181.92</u>

Appendix K-A - FARM BUDGET

K-4-1. General Condition

According to the results of 558 farms survey, the average size farm household is 6 persons and the living cost consisting of the regular items and the special items is worked out P2,388.26 per year. 20 percent increment of this living cost has been proposed for future farmers' living standard.

2) Home consumption of paddy

It is planned that 118 kg of milled rice per head per year is to be consumed in farm household, and total consumption of paddy is farm household will be 1,182 kg, considering the milling recovery rate of 60 percent.

3) Labor balance

Table K-4-1 shows the labor balance of the typical farms. Principally, the shortage of family labor in both 2 ha and 3 ha farms will be supplemented by hiring other labor and no introduction of farm machinery is planned.

4) Sharing arrangement

There are four sharing arrangement between farmers and landlords in the area, namely: 75-25, 67-33, 60-40 and 50-50%. According to the said farm survey, the most common one is 67-33 and the next 75-25. After completion of the construction works, farmers will be required to introduce so intensified farming that the recommendable sharing arrangement would be 75-25 which is adopted in this farm budget analysis.

K-4-2. Amortization of Foreign Currency Loan

It is planned that the foreign currency portion of the project cost would be loaned by the Japanese government. Following the terms of the fourth Japanese Yen Loan, requirement and repayment schedule of the loan is to be assumed as Table K-4-2. Assuming that the total amount to be repaid by the Philippine government, would be amortized by farmers after attaining full benefit with 20 years' repayment period starting from 1987, the amount to be amortized by farmers is estimated at P584 per ha per season.

K-4-3. Conclusion

The result of the farm budget analysis is shown in Table K-4-3 to K-4-8.

See E. M. 1997 (1997) (1997

(1) A model (1) A m A model (1) A model

$TABLE K.4-1 LABOR BALANCE OF TYPICAL FAMS$ $TABLE K.4-1 LABOR BALANCE OF TYPICAL FAMS$ $\frac{Cropped}{Crop} \frac{1}{10000000000000000000000000000000000$			hec.			3 43.9		1.19	<u>5</u> <u>87.7</u>			0 62.5	7 18.6					
TABLE K 4-1 LABOR BALANCE OF TYPICAL FARUS Immedia Origination Jam. Feb. Mar. Apr. May Jume Jum. Spir. Origination Table Jam. Feb. Mar. Apr. May Jume Jum. Jum. Spir. Origination Teology Teology Teology Spir. Spir. May Jume Jum. Jum. Spir. Origination Teology Teology Spir. <																		
TABLE K.4-1 LABOR BALANCE OF TYPICAL FARMS Cropped Arrea Jan. Ee. Mar. Apr. May. June July 0.97 - - - - 27.5 33.5 12.7 1.00 12.9 2.6 29.2 8.2 27.5 33.5 12.7 1.97 12.9 2.6 29.2 8.2 27.5 33.5 12.7 1.94 - 5.2 58.4 16.4 5.0 66.9 25.3 2.00 25.8 5.2 58.4 16.4 5.0 66.9 25.5 2.91 2.5.1 2.6 24.6 82.5 100.4 38.0 2.91 2.5.5 62.5 60.0 62.5 60.0 62.5 2.91 28.7 7.8 87.6 24.6 87.6 25.3 2.91 38.7 7.8 87.6 24.6 87.6 24.5 2.91 38.7 5.1 35.0 26.9 37.2 2.91 38.7 5.1 35.4 -20.0 40.4 2.91 38.7 5.4 -20.0 24.5 3.91 35.1 35.4 <td< td=""><td></td><td>man-day)</td><td>Sept.</td><td></td><td>55-6 -</td><td>33.6</td><td>67.1</td><td>1</td><td>67.1</td><td>100.7</td><td></td><td></td><td></td><td>1.1.1</td><td>8 X. N. I</td><td></td><td></td><td></td></td<>		man-day)	Sept.		55-6 -	33.6	67.1	1	67.1	100.7				1.1.1	8 X. N. I			
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Cropped Area Jar 2.00 25 1.97 12 1.97 12 2.91 25 3.00 25 3.00 25 3.94 25 3.95 25 5.91 38 5.91 38 5.91 38 5.91 25 5.91	VL FARMS																	
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Cropped Cropped <u>Area</u> <u>Area</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>1.97</u> <u>2.98</u> <u>2.55</u> <u>2.55</u> <u>2.55</u> <u>2.55</u> <u>2.55</u> <u>5.551</u> <u>5.551</u> <u>5.555</u> <u>5.555</u> <u>5.55555555555555555555555555555555555</u>	TABLE		- 11 - H						14. N							Å	Ş.	
			1.1.2									62.5	49.6	36.7	23.8	rst. G	Cond	
the free free free free free free free fr			Lroppe Area	1 0 0	200 1	1.97	1.94	00-2 2	7- 7	2.91	2.91		ц Ц Ц	ara N	arm	E E	ກັ	
Construction (Construction) 등 이 방법 수가 있는 것도 약 수가 있는 것을 가져야 하는 것이 있는 것을 가지 않는 것을 하는 것을 수가 있는 것을 하는 것을 하는 것을 하는 것을 수가 있는 것을 수가 있다. 것을 수가 있는 것을 수가 있다. 것을 수가 있는 것을 수가 있다. 것을 수가 있는 것을 수가 있다. 것을 것을 수가 있는 것을 수가 있다. 것을 수가 있는 것을 수가 있는 것을 수가 있는 것을 수가 있다. 것을 수가 있는 것을 수가 있다. 것을 수가 있는 것 같이 있는 것을 수가 있 것이 하는 것이 같이 하는 것을 수가 있는 것을 수가 있는 것을 수가 있는 것을 수가 있는 것이 같이 하는 것을 수가 있는 것이 같이 같이 같이 같이 같이 같이 않아? 것이 같이 같이 것이 같이 같이 것 같이 않아? 것이 같이 같이 것 같이 않아? 것이 같이 하는 것이 같이 않아. 것이 같이 것 것이 같이 않아. 것이 같이 것 것이 같이 않아. 것이 같이 것이 같이 같이 않아. 것이 않아? 것이 같이 것 같이 않아. 것이 같이 같이 것 않아. 것이 것 않아. 것이 것 것이 같이 않아. 것이 같이 것 않아. 않아 가 것이 같아, 것이 같이 것 같이 것이 같아, 것이 같아, 것이 것이 같아, 것이 같이 않아. 것이 같이 것 않아, 것이 같이 않아. 것이 것 않아, 것이 않아, 것이 같이 않아. 것이 같이 않아, 것 않아, 것이 않아, 것이 않아. 것이 않아, 것이 않아,			Size Crop		: 0	Total	ц, с	, . , .	LUCAL L	ቲ. ง .	Total	Supply per farm	l ha f	2 ha f	3 ha f	Note:		

-319------319-35

Interest Rate: 3,25%	
Repayment Period: 25	years
Grace Period: 7 year:	
	US\$x10 ³)

53

ý.

	TABLU	K-4-2: REQUIREME	Repayment	ate: 3.25% Period: 25 years
Year	Month	Financing (Disbursement)	Repayı Interest during	Amortization
<u>1976</u>	June Aug.	225	<u>Grace Period</u> 4	of Principle Rem
1977	Jan, Feb, Aug.	11,118	4 184 185	
1978	Jan. Feb. Aug.	3,640	243 244	
1979	Jan. Feb. Aug.	5,085 -	326 326	
1980	Jan. Feb. Aug.	1,287	347 347	
. 1981	Jan. Feb. Aug.	861	361 361	
1982	Feb. Aug.		361 361	
1983	Feb. Aug.			820 820
2000	Feb. Mar.			820 820

Färm Size: Tenure System:			Paddy Ion: Fully Irri	gated
		<u>First crop</u>	Second crop	Tot
Income:				
Cropped area	: (ha)	0,97	1.00	$\langle \mathbf{l} \rangle \langle \mathbf{l} \rangle$
Yield	(ton/ha)	3.5	• • 4 • 0	
Production	(kg)	'3,395	4,000	7,3
On-farm Use	(kg)	49	50	
Share	(kg)			
Home Consumpt	ion (kg)			1,1
Remainder	(kg)			6,1
Crop Income	(₽)			6,1
lost:				
Hired Labor	(¥)			1990. US
Fertilizers	(P)	492	555	1,0
•Insecticides	(₽)	225	232	4
Herbicides	(₽)	68	70	1
Miscellaneous	(₽)	29	30	
Water Charge	(₽)	164	194	ંડા
Total	(₽)	978	1,081	2,0

TABLE K-4-3 FARM BUDGET ANALYSIS WITH PROJECT

医金属马马马

Net Farm Income	(₽)			-		4,0	55
					entra da la compositiva Las compositivas	an an Frank	
Net Farm Income		4,055					
Off-Farm Income					12.0	重新的	
Farm Family Income		4,055				te s di	
Household Expenditu	res	2,866	$\langle k \rangle \leq 1$		같아. (A	siya sa bi	
Farm Family Surplus		1,189					

Net Farm.Income (₽)

사망 같은 것	TABLE K-4-4	FARM	BUDGET ANALY	SIS WITH PRO	DJECT
	Farm Size: 2	0 ha	Cron:	Paddy	
	Tenure System: O			ion: Fully	Irrigated
		i G	First crop	Second cro	<u>p</u> <u>Total</u>
	Income:				
	Cropped Area			2.00	3,94
가장에 가장 가장 가장 - 1995년 1월 1일 - 1995년 1월 1일		on/ha)		4.0	
		(kg)			14,790
	On-farm Use	(kg)	99	100	199
	Share	(kg)	•		1 100
	Home Consumption Remainder	r (kg) (kg)		이 같은 것이 가지 않는 것이. 같은 것이 같은 것이 같이 같이 같이 같이 같이 같이 같이 같이 했다.	1,182 13,409
	Crop Income	(P)			13,409
	Cost:				
	Hired Labor	(P)	84	151	235
	Fertilizers	(P)	984	1,110	2,094
	Insecticides	(*)	450	464	914
	llerbicides	(P)	136	140	. 276
	Miscellaneous	(₽) (₽)	58	60	118
	Water Charge	(P)	328	388	716
	Total	(₽)	2,040	2,313	4,353
	Net Farm Income	(₽)			9,056
	Net Farm Income		9,056	11.143 11.143	
이 지역에 가지 않는 것	Off-Farm Income Farm Family Income		0.054		
	lousehold Expendit	1	9,056 2,866		
		1. A.			
	Farm Family Surplu	S	6,190		

Farm Size; Tenure System;	3.0 ha Owner	Crop: Condit:	Paddy ion: Fully Irr	igated
		First crop	Second crop	Total
Income:				
Cropped Area	(ha)	2,91	3.00	5.91
Yield	(ton/ha)	3.5	4.0	
Production	(kg)	10,185	12,000	22,185
On-farm Use	(kg)	146	150	296
Share	(kg)			
Home Consumpt	ion (kg)			1,182
Remainder	(kg)			20,707
Crop Income	(₽)		토란탄 1994년 1995년 1979년 - 1975년 1	20,707
가 한다. 이 가 가 있는 것이 있는 것이다. 같은 것이 아니는 것이 같은 것이 있는 것이 있는 것이 있는 것이 같이 있는 것이 같이 있는 것이 같이 있는 것이 같이 있는 것이 있는				X
Cost:				
Hired Labor	(₽)	607	565	1,172
Fertilizers	(₽)	1,475	1,665	3,140
Insecticides	(₽)	675	696	1,371
Herbicides	(₽)	204	210	414
Miscellaneous	(₽)	87	90	177
Water Charge	(₽)	492	582	1,074
Total	(₽)	3,540	3,808	7,348
Net Farm Income	(P)			13,359
Net Farm Income	1	3,359		
Off-Farm Income				
Farm Family Inco		3 350		

TABLE K-4-5 FARM BUDGET ANALYSIS WITH PROJECT

Net Farm Income13,359Off-Farm Income-Farm Family Income13,359Household Expenditures2,866Farm Family Surplus10,493

TABLE K-4-	6 FARM	I BUDGET ANAI	LYSIS WITH PROJEC	Ľ
Farm Size: 1 Tenure System: SI			Crop: Paddy Condition: Fully	
이 가슴을 가지 않는 것이다. 같은 것이 있는 것이 가슴을 가지? 같은 것이 있는 것이 아프 가지?		First crop	Second crop	Total
Income:				
Cropped Area	(ha)	0.97	1.00	1.97
Yield (to	on/ha)	3.5	4.0	•
Production	(kg)	3,395	4,000	7,395
On-farm Use	(kg)	49	50	99
Share	(kg)			1,849
Home Consumption	n (kg)			1,182
Remainder	(kg)	a di Tanan ara		4,265
Crop Income	(₽)	_		4,265

Fertilizers	(P)	492	555	1,407
Insecticides	(₽)	225	232	457
Herbicides	(₽)	68	70	138
Miscellaneous	(P)	29	30	59
Water Charge	(₽)	164	194	358
fotal	(₽)	978	1,081	2,059
Net Farm Income	(₽)	-		2,206
		0.004	n an an Araban An Araban An Araban	an Antonio antonio Antonio antonio

Net Farm Income	2,206
Off-Farm Income	660
Farm Family Income	2,866
Household Expenditures	2,866
Farm Family Surplus	$\left[\left($

TÄBLE K-4-7 FARM BUDGET ANALYSIS WITH PROJECT

			ondition: Fully	
		First crop	Second crop	<u>Total</u>
Income:				
Cropped Area		1.94	2.00	3.94
Yield	(ton/ha)	3.5	4.0	
Production	(kg)	6,790	8,000	14,790
On-farm Use	(kg)	99	100	199
Share	(kg)			3,698
Home Consumpt	ion (kg)		일부를 이 물건이 있는 것을 가지? 같이 있는 것이 가지 않는 것을 것이 없다. 같이 있는 것이 가지 않는 것이 같이 있는 것이 없다.	1,182
Remainder	(kg)			9,711
Crop Income	(¥)		성학을 가 있는 가 성용 23년 1971년 - 1971년 - 1971년 1971년 - 1971년 -	9,711
Cost:				
llired Labor	(₽)	84	151	235
Fertilizers	(₽)	984	1,110	2,094
Insecticides	(₽)	450	464	914
9 To 101 - 1 - 1	1.1.1.1.1		상황은 여러 한 것이 사람이 한	See Adda A

Herbicides	(₽)	136		140	276
Miscellaneous	(₽)	58	5 S. (1997) 1997 - 1997	60	118
Water Charge	(₽)	328		388	716
Total	(¥)	2,040	2	,313	4,353
Net Farm Income	(P)				5,358
Net Farm Income		5.358			

Net Farm Income	5,358
Off-Farm Income	· 그는 이렇게 아니는 것이 가지 않는 것을 알았는 것을 가 없다. 이렇게 있는 것이 아니는 것이 같은 것이 하는 것이 같이 있다.
Farm Family Income	5,358
Household Expenditures	2,866
Farm Family Surplus	2,492

27	i nê			ĹĒ	÷ -		- 1 de 1		`	9 C (100			÷.,	- 64			-		'n.	1.01			÷,	×		-		1.1	-	24.	- 6	-33	2.55	. 4		24	5	12	£11
1	៍	۰Α	К	i : F	í. –	κ.	- 7		×	-11	-16	Α.	20	4	- it	(1)	63	1.	Ľ		۱٨	а	١.	YC	S 1		14	w	ſ ŀ		11	2.1	ν	PI	٦.	11	чe	· · ·	
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table k-	4-8 FARN	1 BUDGET ANA	LYSIS WITH I	ŶŖŎĴĬ:CĨ	
Farm Size: Tenure System:	3.0 ha Share Ci			Paddy Fully	Irrigated
					Total
Income:					
Cropped Area	(ha)	2.91	3.00		5.91
	이 같은 것 같은 것		4.0		
Production			승규는 감독을 가장하는 것이 없다.		22,185
한 물양 전 영국 동물 등 가격 물건을 얻었다.		146	150	의 작성 기능활동	. 296
김 승규는 것이 아파 감독하는 것이 없다.		일이 가격을 가입다. 같은 것 같은 것이 같은 것			5,546
					1,182
한다는 물건을 맞는 것이 다니 것을 받을 것이다.		일을 물건의 해변이다. 기억을 제공하는 것 같은 것을		一つ時代	15,161 15,161
	(F)				19,101
.Cost:					
Hired Labor	(¥)	607	565		1,172
Fertilizers	(P)	1,475	1,665		3,140
Insecticides	(₽)	675	696		1,371
Herbicides	(₽)	204	210	angan Kanganakan	414
Miscellaneous	(₽)	87	90	en en fil Geboorden	177
Water Charge	(₽)	492	582		1,074
. Total	(₽)	3,540	3,808		7,348
Net Farm Income	(₽)				7,813
Net Farm Income		7,813			
Off-Farm Income				an a	
		그 희망한 생각이 있는			
이 같은 것은 것이 같은 것이 같은 것이 같은 것이 같은 것이 같은 것이 같은 것이 같이 없다.		2,866			
Farm Family Surp	1 üs	4,947			
	Farm Size; Tenure System: Income: Cropped Area Yield Production On-farm Use Share Home Consumpti Remainder Crop Income Cost: Hired Labor Fertilizers Insecticides Herbicides Herbicides Miscellaneous Water Charge Total Net Farm Income Sarm Income Farm Family Inco	Farm Size:3.0 ha Tenuro System:Share CrIncome:Cropped Area(ha) Yield(ton/ha) Production(kg) On-farm Use(kg) On-farm Use(kg) (kg)On-farm Use(kg) Share(kg) (kg) Cost:(kg) Crop Income(kg) (kg) Crop Income(kg) (kg) (kg)Cost:Hired Labor(P) Fertilizers(P) Insecticides(P) (kg) (kg) Crop Income(P) (kg) (kg)Cost:Hired Labor(P) (kg) (kg) (kg) Crop Income(P) (kg) 	Farm Size:3.0 ha Tenure System:Share CropperFirst cropIncome:Cropped Area(ha)2.91Yield(ton/ha)3.5Production(kg)10,185On-farm Use(kg)146Share(kg)-Home Consumption(kg)-Remainder(kg)-Crop Income(P)-Cost:607Hired Labor(P)607Fertilizers(P)1,475Insecticides(P)204Miscellaneous(P)87Water Charge(P)492Total(P)3,540Net Farm IncomeNet Farm Income7,813Household Expenditures2,866	Farm Size; Tenure System:3.0 ha Share CropperCrop: Condition:Income:First cropSecond crIncome:Cropped Area(ha)2.913.00Yield(ton/ha)3.54.0Production(kg)10,18512,000On-farm Use(kg)146150Share(kg)Home Consumption(kg)Cost:Hired Labor(P)607565Fertilizers(P)1,4751,665Insecticides(P)675696Herbicides(P)8790Water Charge(P)3,5403,808Net Farm Income(F)Net Farm Income7,813Household Expenditures2,866	Tenure System:Share CropperCondition:FullyPirst cropSecond cropIncome:Cropped Area(ha)2.913.00Yield(ton/ha)3.54.0Production(kg)10,18512,000On-farm Use(kg)146150Share(kg)Home Consumption(kg)Cost:(kg)Cost:(hired Labor(P)607565Fertilizers(P)1,4751,665Insecticides(P)675696Herbicides(P)204210Miscellaneous(P)8790Water Charge(P)492582Total(P)3,5403,808Net Farm Income7,813-Household Expenditures2,866-Farm Family Income7,813-

SUPPLEMENTARY COLLECTED DATA 1.1 APPENDIX L

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an a Dyr Ar ar a Dyr Ar ar a'r ar **建构成有些实现的。**通知:

Ň	ame of Data	Periods	<u>Remarks</u>
	y Climatological Data		
	infall at Aparri infall at Tuguegarao	1950-1975 1949-1974	Collected by Philippine counterparts.
Те	mperature at Aparri		
	dinimum Jaximum	1950~1975 "	Collected by Philippine
	1ean	B	counterparts.
	mperature at Tuguegarao		ante en la construcción de la cons En la construcción de la construcción En la construcción de la construcció
	linimum Iaximum	1949-1974 H	Collected by Philippine
ふうしき しょうせいせい さんめい	lean	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	counterparts.
	erage Wind Velocity		
	l Prevailing Direction It Aparri	1957-1975	Collected by Philippine
	it Tuguegarao	1958-1974	counterparts
	cimum Wind Velocity		
	l Direction at Aparri It Tuguegarao	1966-1975 1961-1963	Collected by Philippine counterparts
		1966-1974	
	ative Humidity		
	it Aparri It Tuguegarao	1966-1975 1967-1974	Collected by Philippine counterparts
	ar Radiation		
	t Tuguegarao	1951-1975	15°, 17.5° and 20° Latitude
	logical Data	10/0	Name of Station
	aily Gage Height Data n Cagayan River Basin	1968-1974	Namabbalan, Tuguegarao Cataggaman, Tuguegarao
	at Aparri	(1958-1967)	Bayo Iguig
	at Camalaniugan at Nassiping	(1960-1967) (1960-1967)	Centro Iguig
	at Tupang	(1958-1967)	Anquiray Amulung Tupang, Alcala
	at Namabbalan	(1958-1967)	Nassiping, Gattaran Poblacion, Gattaran
			Catayauan, Lal-lo
			Centro, Camalaniugan Aparri, Cagayan
		-328-	

	<u>Name of Data</u>	Periods	<u>Remarks</u>
	2) Daily Discharge Data Naguilian, Isabela (Cagayan River) Pared River	1961-1967 (1968-1972) 1955-1967	Minimum discharge in March-April and May
	 Additional Observation D Water level at Buguey River 	ata 17 Nov. 1975 16 Dec. 1975	Near the Buguey Bridge
	Water level at Aparri and Pumping site of Magapit	15 Feb. 1976 17 Feb. 1976	2 hours intervals observation
3.	Grand Survey Data		
	 Topo-Map Lower Cagayan Alcala-Amulung and Iguig 		Scale: 1:4,000
	2) Main canal of Lower Cagayan		(43.0 km alternative (Canal (10.5 km last alignment
	3) Main canal Alcala-Amulun Main Canal Iguig		10.0 km 7.0 km
	4) Main Canal of Drainage at Lower Cagayan	an an tha tha an tao an An taite an tao an tao an tao an An tao an tao an tao an	24.0 km
	5) Agguigang Creek		6.0 km
	6) Main Canal of Drainage at Alcala-Amulung		7.2 km
	7) Plane Survey 3 Pumping station		Scale: 1:200
4	Soil Survey (Semi-details)		1,200 ha
時で 5 ・ 1911年前の 1911年前の	Boring Test Lower Cagayan Alcala-Amulung Iguig		30 m 60 m 30 m
6.	Bearing Test, Iguig		14年後月1日(1993年)第二日日第二日(1993年) 19月1日 - 新聞和愛知道人名英格兰人名
		-329-	
			nan olar dalam yang bergan katalar katalar katalar katalar Katalar katalar yang bergan katalar katalar katalar Katalar katalar yang bergan katalar katalar katalar katalar

	Name of Data	<u>Periods</u>	<u>Remarks</u>
7.	Design Criteria 1) General Design C ations for the u Pampanga R.P.		
	2) Üpper Sibuguey R Irrigation Proje (Drawings)		116 sheets
8.	그는 것은 물건을 다 가지 않는 것을 가지 않는다.	rts of Solana-Tuguegara	ao Pump Irrigation
	2) Feasibility repo	rts of Baggao, Irrigati	ion Project, March, 1973.
	3) Feasibility repo	rts Angat Magat Irrigat	ion Project.
	4) Feasibility repo	rts of Magat River Proj	lect.
	5) Tide and Current	tables Philippines, 19	74
	6) Tropical Cyclone:	s for 1972.	
	7) Agricultural Engi	ineering Handbooks	n for an in 17 anns an 17 an 18 a Tha an 18
	8) Monthly Progress Project, NIA.	Report on Solana-Tugue	garao Irrigation
9.	Characteristics of Pr Lowland Rice Variety Development Project	resent Seed Bed Recomme for CIADP Cagayan Inte BPI Region II	nded grated Agricultural
10.	Area Harvested and Pr to Project Area (Aver Region 11	roduction of Rice in ea rage number of past 5 y	ch municipality concerne ears, 1969-1974), BAEx
11.	Area harvested, produ supervised by Masagan	action and input applie na 99, BAEx Region II	d with and without credit
12.	General information o	on Masagana 99, BAEx Ré	gion II'
13.	Corrected price list	of fertilizer, BAEx Re	gion II

- 14. Recommended Insecticides and retail prices for use in Masagana 99 rice production, BAEx Region II.
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