Table 6.7 Production Cost per Hectare

I. Paddy, Corn and Tabacco

	Thit			Ď.	Paddy				Corn	8			Tobacco	55	
Ω	Unit Price		Without Project	Projec		With	With Project	Witho	Without Project	With	With Project	Without	P.	With	With Project
			Rainfed		rrigated	Irri	Irrigated	Re	Rainfed	H	Irrigated	Rai			Irrigated
 Level of Unit Yield (ton/ha) 	ha)		2.23		3.45		4.75		6.0		3.75		0.6		2.0
2. Farm Inputs		Q'ty	Amount(e)	Q,¢	Amount(p)	λ; O	Amount(p)	Q'ty	Amount(P)	S)	Amount(p)	Q'ty	Amount(p)	Q'ty	Amount(P)
 Seed - Paddy Corn Tobacco (3,000 seedlings) 	kg) 8.6 kg) 18.0 igs) 72.4	80	688	20	430	46	396	13	342	20	360	æ	435	မွာ	435
-	(kg) 12.4 (kg) 9.1 (kg) 8.1	8 4 4 4	422 36 21	70 41 41	868 128 74	30 30	930 273 159	01	124	75 85 40	930 774 212	20 ' '	248	50 50 50	620 455 265
3) Agro-chemicals - Liquid - Granular ((kg) 235	2.0	353 42	3.9	400	3	705 357		1 1	2.5	357	63 '	470	17	470 357
Sub-total		***************************************	1,562		1,982		2,820		466		3,206		1,153		2,602
3. Labor Cost (man-day)	(ay) 11														
		2862	22 176 198	8,62	22 176 220	898	33 176 220	' 05	110	' H 6	121	880	33 110	0 H	852 852 173 852 173 173 173 173 173 173 173 173 173 173
		27 47 :	2 4 5 2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ကယ	83 72 83 73	က က်	က် ကို	cu t-	222	210	272	ကမ္	110	한 다	12.4
6) Spraying 7) Irrigating		'	, , ,	24 62	75 75 75 75 75 75 75 75 75 75 75 75 75 7	ෆ ෆ	က က က က)	1. 1 	20 02	22 22	י כי	20 1 20 1	x c)	888
		는 다 수	165 44	22	176 55	20 13	220 143	0 6	110 99	175	132	20 32 /1	220 352	42 40	264 440
10) Drying 11) Others		ကက	888	4 03	44 4.8	ທ ທ	လ လ လ လ	c. 60	33	∞ t~	77		•	1 4	1 i
Sub-total	***************************************	88	748	78	858	96	1,056	57	627	70	770	66	1,089	130	1,430
4. Animal Power (d	(day) 33	53	429	13	429	15	495	14	462	20	099	19	627	30	086
5. Mechanical Power (d	(day) 620		620	2	1,240	8	1,240	•			•			:	1
6. Others		1	171		261		299		75		229		121	;	248
Total			3,530		4,770		5,910		1,630		4,880		3,020		5,270

Note: /1; Sorting, sticking and others

(continuation)

Beans and Vegetables

Sweet Potatoes, Sugar Cane,

Peanuts,

Q'ty Amount(r) 2,200... Vegetables 13.0 868 819 371 392 231 132 176 165 396 396 946 132 1,880 7,860 With Project (Irrigated) 282 2 Amount(p) 189 248 182 106 470 836 140 2,930 Beans Q.C. 8888 35 , स्टिक स्टिक स्टिक के क 92 Amount(#) 1,488 182 106 175 353 33 110 25 22 1,122 1,240 302 5,760 39.0 Sugar Cane Q'ty ω Ω 2222 ri J 88 5 in 63 Without Project (Rainfed) Sweet Potatoes Amount(p) 405 186 137 80 242 099 470 2,900 22 137 Q'ty 450 **55**5 22 60 Amount(p) 538 154 198 66 594 1,890 83 0.7 Peanuts S. 68 138 235 Unit Price 7.9 0.9 50.0 5.4 335.0 12.4 0 .0 1.0 ဗ္ဗ 620 덖 ۵ - Peanuts (kg)
- Sweet Potatoes (kg)
- Sugar Cane (1,000 seedlings)
- Beans (kg) (kg) (day) Unit (day) 9 9 9 9 9 (man-day) (ton/ha) Land Preparation) Transplanting/Planting) Fertilizing) Weeding/Cultivating - Peanuts - Sweet Potatoes 1) Nursery Preparation
2) Land Preparation
3) Transplanting/4) Fertilizing
5) Weeding/Cultivating
6) Spraying
7) Irrigating
8) Harvesting
9) Threshing
10) Drying
11) Others - N - P2O5 - K2O 3) Agro-chemicals - Liquid - Granular 1. Level of Unit Yield Mechanical Power 4. Animal Power 2. Farm Inputs 2) Fertilizer Sub-total Sub-total 3. Labor Cost Total 1) Seed Others v.

Crop Production under without and with Project Conditions in Irrigation Development Schemes Table 6.8

me
Scheme
stion
Irrigation
Neg J
, 1-4

!	proposed Cr	Proposed Cropping Pattern A&C	ern A&C	Proposed Cropping Pattern B&C	ropping Patte	em B&C		Proposed Cropping Pattern A&C	pping Patte	m A&C	Proposed Cropping Pattern B&C	poping Patte	288 E
Item	Without Project	With Project	Incre- mental	Without Project	With Project	Incre- mental	item	Without Project	With	Incre- mental	Without Project	With Project	Incre- mental
1. Chico Mallig I P							4. Zinundungan I E P						
Paddy -Wet season	50,738	126,135	75,397	50,738	114,923	64,185	Paddy -Wet season	4.375	6,525	2,150	4,375	5,945	1,570
(Jobs)	50,738	266,285	215,547	50,738	255.073	204,335	-Lny season: (Total)	4	13,775	9.400	4 375	13 195	/ 250 8 820
Com	7,020	19,013	11,993	7,020	19,013	11,993	Com		1,800	953	847	1,800	953
Tobacco	0	1,260	1,260	0	1,260	1,260	Tobacco	٥	120	120	0	120	120
Vegetables	0	8,320	8,320	0	8,320	8,320	Vegetables	O	780	780	0	780	780
Beans	0	44,430	44,430	0	2,385	2,385	Beans	0	2,400	2,400	0	225	225
Peanuts	441	0	441	44.1	0	-441	Peanuts	42	0	-42	42	0	42
Sweet potatoes	500	o	-200	200	0	-500	Sweet potatoes	0	0	0	0	0	0
Sugar cane	19,500	Ó	-19,500	19,500	0	-19,500	Sugar cane	٥	0	0	Ö	0	0
2. Matuno R I P							5. Alucala Amulung West I P	<u>.</u>					
Paddy -Wet season	25,415	49,725	24,310	25,415	45,305	19,890	Paddy - Wet season	8,470	17,325	8,855	8,470	15,785	7,315
-Dry season	18,900	55,250	36,350	18,900	55,250	36,350	-Dry season	0	19,250	19,250	0	19,250	19,250
(Logal)	44,315	104,975	60,660	44,315	40	56,240	(Total)		36,575	28,105	8,470	35,035	26,565
Com	2,970	9,788	6,818	2,970	σ	6,818	Com	4,869	17,400	12,531	4,869	17,400	12,531
Tobacco	0	099	099	O		660	Tobacco	0	1,160	1,160	0	1,160	1,160
Vegetables	0	4,160	4,160	0 (4,160	Vegetables	0 1	7,540	7,540	0 (7,540	7,540
Beans	3	202/	508'/L	> {	, N	082,1	Beans	S C	068.7	008, / 004,) (۲,۱/۵	2,175
Supot notations	200		250	\$ UC	O C	422-	Swoot notatoos	9 6 6	0 0	906-	9 00		9 6
Sugar cane	3	0	2	9 0	0	20	Sugar cane	8,970	0	-8,970	8,970		-8,970
							•						
3. Dabubu R I P	- :						6. Tuguegarao I P						
Paddy -Wet season	1,100	2,475	1.375	1,100	2,255	1,155	Paddy -Wet season	550	1,125	575	550	1,025	475
-Dry season	0	2,750	2,750	0	2,750	2,750	-Dry season	0	1,250	1,250	0	1,250	1,250
	1,100	5,225	4,125	1,100	5,005	3,905	(Total)		2,375	1,825	550	2,275	1,725
Com	738	2,663	1,925	738	2,663	1,925	Com	2,268	6,863	4,595	2,268	6,863	4,595
Tobacco	30	180	150	စ္တ	180	150	Tobacco	0	460	460	0	460	460
Vegetables	o	1,300	1,300	0	1,300	1,300	Vegetables	Ö	3,120	3,120	0	3,120	3,120
Beans	0	1,170	1,170	Φ ;	345	345	Beans	0	1,245	1,245	0 7	870	870
Peanuts	69	0 (ဗို င	සි	90	် ဇ	Peanuts Supply politices	. 61	э с :		- C	ဘင	اق ا
Sweet polatices	: :)	.	o 0		> C	Ower polocy) C		o c	c	> c) C
2000	2	2	9		>	>	2 PS 18 PS 1		,	>	י	>	,

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•	2			Cassocia	Toposed Cropping Patiers 1280	
Let.	Without	Without With	286	14534		
	Project	Project	mental	Project	with Project	Incre- mental
7. Luiutan I P						
Paddy -Wet season	5,302	10,845	5,543	5,302	9.881	4.579
-Dry season	0	12,050	12,050	0	12,050	12,050
(E)	5,302	22,895	17,593	5,302	21,931	16,629
Com	1,340	3,263	1,923	1,340	3,263	1.923
Tobacco	36	220	184	36	220	184
Vegetables	Ó	1,300	1,300	0	1,300	1.300
Beans	0	4,020	4,020	0	405	405
Peanuts	77	0	-77	77	0	7.2
Sweet potatoes	0	0	0	Ģ	; C	C
Sugar cane	0	0	Ö	0	Ö	0
8. liagan I P						
Paddy -Wet season	460	900	440	460	820	360
-Dry season	0	1,000	1,000	0	1 000	000
(Total)	460	1,900	1,440	460	000	200
Š	4.356	18,000	13.644	4 356	ος ος σ. Ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	000'-
Tobacco	180	1,200	1,020	180	000	1 0
Vegetables	0	7.800	7,800	?	7,000	7,020
Beans	0	2.550	2 0000	o c	0000	200
Peanuts	420		0.04-	730	7,4	007,7
Sweet potatoes	300	0	-300	300	o c	4 6 5 6
Sugar cane	0	0	0	0	00	80
9. Gappal I p						
Paddy - Wet season	7,260	14,850	7,590	7,260	13,530	6.270
-Dry season	٥	15,500	16,500	0	16,500	16,500
(Total)	7,260	31,350	24,090	7,260	30,030	22,770
E C	2,178	6,600	4,422	2,178	6,600	4,422
coaeco	99	440	374	99	440	374
Vegetables	0	2,860	2,860	0	2,860	2,860
deans	0	5,775	5,775	0	825	825
Peanuts	45.	0	-154	154	0	-154
Sweet potatoes	0	0	0	0	0	0
Sugar cane	C	•	•			

(continuation)

II. Rehabilitation/Improvement Scheme

And the second s			1				The state of the s		-			1	
1	Proposed (Proposed Cropping Pattern A&C	attern A&C	Proposed	Proposed Cropping Pattern B&C	attern B&C	***	Proposed	Proposed Cropping Pattern A&C	Ittern A&C	Proposed Cropping	Cropping Pa	Pattern B&C
Item	Witout	With	ncre-	Witout	With	focre-	ttem	Witout	With	Incre-	Witout	With	Incre-
	Project	Project	mental	Project	Project	mental		Project	Project	mental	Project	Project	menta
			. *										
1. Dummun R.I.S							4. Pinacanauan I S						
Paddiv-fringsad(West	2020	ਖ਼ ਵ ਹ	90	2010	20,7	7. 98.0	Paddy-Irdanology	8	0 V	262	. 700	000	4
(OL)	100	0.00	20.0	7 7 4	10,400	0 d	(ion losses in form	0 0	000	9,00	# 0 0 0	4, 4 0, 60 0, 60	0 0
	000'	0,0,0	, c	0 0	000	* oo o	(O)	0 0	50.0	210,6	000	0,000	210,6
-kainfed (wet)	2,880		788.7	7,680		088,2-	-Hainred (Wet)	2.139	٥	-2,139	2,139	0	-2,139
(Total)	7,885	19,665	11,780	7,885	18,837	10,952	(Total)	3,991	11,400	7,409	3,991	10,920	6,929
Beans	0	3,105	3,105	0	0	0	Beans	0	1,800	1,800	O	0	0
Corn	640	٥	-540	640	O	-640	Corn	228	0	-228	228	0	-228
Peanuts	105	0	-105	105	0	.105	Peanuts	28	0	-28	28	0	-28
											,		
9							- : : : : : : : : : : : : : : : : : : :						
Z. baggao i o							o. Lumadini Lo						
Paddy-Imgated(Wet)	2,640	7,839	5,199	2,640	7,429	4,789	Paddy-Irrigated (Wet)	4,862	16,785	11,923	4,862	16,347	11,485
(D ₁)	3,045	090'6	6,015	3,045	9,060	6,015	(Dry)	2,278	15,800	13,522	2,278	19,450	17,172
-Rainfed (Wet)	2,162	0	-2,162	2,162	٥	-2,162	-Rainfed (Wet)	5,865	0	-5,865	5,865	0	-5.865
(Total)	7,847	16,899	9,052	7,847	16,489	8,642	(Total)	13,005	32,585	19,580	13,005	35,797	22,792
Beans	0	2,718	2,718	0	0	0	Beans	O	5,981	5,981	0	0	0
Com	209	0	-209	209	0	-209	Sora	1,143	0	-1,143	1,143	0	-1 143
Peanuts	58	C ·	-28	28	0	-28	Pearuts	203	ø	-203	203	٥	-203
3. Solana i S				٠			(6. Zinundungan R1S)					-	
Paddy-Imgated(Wet)	1,380	12,731	11,351	1,380	11,599	10,219	Paddy-Irrigated(Wet)	3,959	7,920	3,961	3,959	7,216	3,257
(CO)	2,155	14,145	11,990	2,155	14,145	11,990	(A)	3,003	8,800	5,797	3,003	8,800	5,797
-Rainfed (Wet)	4.686	0	-4,686	4.686	0	-4,686	-Rainfed (Wet)	1,700	0	-1,700	1,700	0	-1,700
(Total)	8,221	26,876	18,655	8,221	25,744	17,523	(Total)	8,662	16,720	8,058	8,662	16,016	7,354
Beans	0	4.244	4,244	Φ:	0	0	Beans	O	2,640	2,640	0	0	0
Ş	516	0	-516	516	0	-516	Com	473	φ	-473	473	Ö	-473
Peanuts	2	0	-70	70	0	-70	Peanuts	70	0	-70	70	O	-70

Economic Price for Agricultural Outputs and Inputs, 1995 (1985 Constant Price) Table 6.9

Corn

II.

Import Parity Price

Unit

143 2,717 180 8 2,957 2,727

p/ton

a/ton P/ton %/ton

s of port charge, handling and warehousing /2

verted to Philippine pesos /2

US\$/ton US\$/ton

US\$/ton

ected 1995 FOB Gulf port price /1

2,667 \$2,700

9

P/ton aot/e

s of procurement, transportation and handling /2

sportation cost (Manila-Basin) /2

p/ton p/ton

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1

Item	Unit	Import Parity Price	Iten
1) Projected 1975, FOB Bangkok price (5% broken rice)/1	US\$/ton	325	1) Projected 1995 FOB Gulf por
2) Ocean freight and insurance	US\$/ton	40	2) Ocean freight and insurance
3) Grade differential?	US\$/ton	-45	3) CIF Manila price
4) CIF Manila price (25~35% broken rice)	US\$/ton	320	4) Converted to Philippine pes
5) Converted to Philippine pesos	uon/s	<u>6,080</u> <u>/3</u>	5) Costs of port charge, handlin
6) Costs of port charge, handling and warehousing!4	p/ton	180	6) NFA administration charge
7) NFA administration charge	P/ton	9	7) Wholesale price in Manila
8) Wholesale price of rice in Manila	mot/4	6,320	8) Transportation cost (Manila
9) Transportation cost (Manila-Basin) 15	ro1/4	-230	9) Wholesale price in Basin
10) Wholesale price of rice in Basin	not/q	060'9	10) Costs of procurement, transi
11) Milling cost/6	p/ton	-320	11) Farmgate of corn
12) Value of milling by-product/6	p/ton	190	
13) Ex-mill price of paddy?	not/4	3,874	
14) Costs of procurement, transportation and handling/8	p/ton	09-	
15) Farmgate price of paddy	p/ton	3,814	
		₹3,800	/1 : World Bank price projection

World Bank price projection for 5% broken of rice (FOB, Bangkok). 디

Applied 14% as for quality discount rate to 5% broken rice of Thailand. থ

US\$1:P19 .. গু

Estimated \$40/ton as for port charge, \$20/ton as for handling cost and storage period of 30 days at \$4.00/ton/day. 킥

Transportation costs are adjusted by 0.78 to reflect shadow price; $500 {\rm km} \, {\rm x} \, {\rm p0.60 km/ton} \, {\rm x} \, 0.78 = 230.$

श

Milling costs are \$16.0/50 kg for output, while by-products are valued at \$190/ton of rice.

श

Milling raate is estimated at 65%. U

P3.0/50 kg of paddy including handling. **@**|

ध्य

Beans III.

Peanuts

ΙΨ.

Item	Unit	Import Parity Price
1) CIF Manila price /1	rot/r	5,422
2) Costs of port charge, handling and warehousing	not/d	180
3) Wholesale price in Manila	p/ton	5,602
4) Transportation cost (Manila-Basin) /2	v/ton	-230
5) Wholesale price in Basin	rct/q	5,372
6) Costs of procurement transportation and handling	po/ton	09-
7) Farmgate price of beans	mot/4	5,312
		÷5,300

Economic price of beans are estimatde by using the forecasted soybeans price as below, because beans are correlated with soybeans in its price change. 닯 디

EP: Economic price of beans in 1995 (\$5,422/ton)	CIF Manila import price of beans in 1985 (95,020/ton)	Average increased rate of soybean from 1985 to 1995 (1.08)
G.	Ŗ	댎
P = PxR		· .

Average	Increased	Rate	1.08
ant price	1995	(US\$/ton)	243
1985 Constant price	1985	(US\$/ton)	224
			Soybeans

(Source: IBRD Price Projection)

2 : Same as economic price projection of paddy

	Item	Unit	Import Parity Price
1	1) Projected 1995 Buropean port price /1	US\$/ton	360
8	2) Ocean freight and insurance	US\$/ton	20
(e)	3) CIF Manila price	US\$/ton	410
4	4) Converted to Philippine pesos /2	p/ton	7.790
ହ	5) Costs of port charge, handling, warehousing /2	aot/4	180
6	6) Wholesale price in Manila	±ot/€	7.970
2)	7) Transportation cost (Manila - Basin) /2	p/ton	-230
8	8) Wholesale price in Basin	P/ton	7,740
6	9) Shelling and drying costs	P/ton	-65
10)	10) Economic price of unshelled equivalent/2	P/ton	5,756
11	11) Cost of procurement, transportation and handling $n_{ m 2}$	P/ton	09-
13)	12) Farmgate price of groundnut	P/ton	5,696
			÷ 5,700

Based on World Bank price projection for groundaut, oil (CIF UK), Economic price of groundaut is estimated as follows: : 기

Economic price of groundaut in 1995 (US\$360/ton) EPg EPo: EPg=EPox R

Economic price of gorundant oil in 1995 (US\$667/ton) ά

Average price ratio of groundnut to groundnut oil in Buropean port from 1979 to 1985 (0-54)

2 : Same as economic price projection of paddy

/3 : Based on recovery rate of 75%

(continuation)

Tobacco ۷.

	Item	Unit	Import Parity
Pro	1) Projected 1995 FOB Indian naise n		rnce
í	Transfer of the second	CVV/ton	2,150
S S	Ucean freight and insurance	1155/100	080
3) Gr	3) Grade differential /2	1756/600	3 5
4) FO	4) FOB price in Manila /3	10000	C#-0-
ر د د	A) Commented to Distinct	00%(20p	1,425
) (aver we up framppine pesos	h/ton	27,075
ဒိ ခဲ့	6) Costs of port charge, handling and warehousing /3	9/ton	180
5 0	7) Costs of redrying, grading and bulking /4	1,474	004
7 (8	St. O	TO SE	-2,000
1	c) ross of manaportation and handling /5	p/ton	-5.415
9) TH	9) Transportation cost (Manaila-Basin) /6	e/ton	070
0) Wh	10) Wholesale price in Basin	1 1	
í		uon/d	18,540
S a	 Losts of procurement, transportation, handling, bulking and warehousing // 	p/ton	-430
2) fon	12) formgate price of tobacco		18,110
			= 18,100

World Bank price projection for Indian flue-cured tobacco leaf

Applied 30% as for quality discount rate to Indian flue-cured tobacco leaf based on ratio of unit value of Philippines' exports of flue-cured tobacco to average unit value of Indians' from 1981 to 1984 디 킨

Same as economic price projection of paddy

Estimated p230/bail (115kg) হে। হা

Estimated 20% of FOB price in Manila as loss দে৷ দি৷

Transportaion costs are adjusted by 0.78 to reflect shadow price; 500km x P2.4/km/ton x 0.78 $_{r\bar{r}}$ 940

Estimated #50/bail (115kg) **C**1

VI. Sugar Cane

	Item	Unit	Import Parity Price
1) P	1) Projected 1995 FOB Caribean port price /1	US\$/ton	2,68
6	2) Ocean freight and insurance	11Se/ton	8
3 F	FOB Manila price	11S\$/400	000
.4. O	4) Converted to Philippine pesos	100 /40 m	000
Ω Ω	5) Costs of nort charge handling and manner of	7 ·	770.4
) (g	The level of the first of the level of the l	P/ton	-180
≥ f o i	o) who esale price in Manila	P/ton	4,342
2	7) Transportation cost (Manila-Basin) /2	P/ton	-230
æ (8	8) Wholesale price in Basin	a/ton	OLE V
(6)	9) Milling cost 12	1 1	7.77
		P/ton	-860
ξ. Θ	10) By-product/4	a/ton	+ 500
日日日	11) Ex-mill price of sugar cane /5	: (*)	367
ပိ	12) Cost of procurement, transportation and handling	r, mar	5 6
3) Fa	13) Farmgate price of paddy	r/wr 19/ton	302
		•	300

World Bank price projection for sugar (FOB Caribean port)

: Same as economic price projection of rice ଆ ଅ

Including costs of milling, storage and handling

Molases (data from NASUDECO)
 Recovery rate from sugar cane to st

Recovery rate from sugar cane to sugar: 9.8%

(continuation)

VII. Fertilizer

Item	Unit	Impo	rt Parity	Price
A UCALA	OIII (Urea	T.S.P.	Kce
1) Projected 1995 world market price /1	US\$/ton	<u>209</u>	149	97
2) Ocean freight and insurance	US\$/ton	30	36	30
3) CIF Manaila price	US\$/ton	239	<u>185</u>	<u>127</u>
4) Converted to Philippine Pesos 2	p/ton	4,541	<u>3,515</u>	<u>2,413</u>
5) Port charge and handling costs	p/ton	100	100	100
6) Bagging cost	p/ton		•	100
7) Landed cost in Manila	p/ton	4,641	3,615	2,613
8) Operation expenses	p /ton	120	120	120
9) Industrial margin (2%)	p/ton	95	88	53
10) Ex-warehouse price	p/ton	4,856	3,823	2,786
11) Transportation cost (Manila-Basin) /2	p/ton	230	230	230
12) Dealer's make-up	p/ton	80	80	80
13) Transport to farmgate /2	P/ton	60	60	60
14) Farmgate price of fertilizer	p /ton	5,226	4,193	3,156
		(N: 42%)(P	₂ 0 ₅ : 46%)(K ₂ 0: 60%)
Price per nutrient	p/kg	12.4	9.1	<u>5.3</u>

<u>11</u>: World Bank price projection

Urea:

FOB Europe

T.S.P.:

FOB US Gulf

Kce:

FOB Vancouver

12 : Same as economic price projection of paddy

Table 6.10 Summary of Financial and Economic Prices for Agricultural Outputs and Inputs

Outputs & Inpu	ts	Financial Price (1985)	Economic Price/1 (1995)
Outputs	خاندىكى شەخىرىپىدە ئېدىن كاندىكى كاندىكى بىدىن ئىندىكى بىدىن ئىزىن بىدىن بىدىن ئىزىن كاندىكى ئىدىن بىدىن كاندى	rangani di Patri di La Biran i Propinsi di Residenti di Maria	
- Paddy (import parity)	(p/ton)	3,500	3,800
- Corn (import parity)	(p/ton)	3,000	2,700
- Beans	(p/ton)	9,900	5,300
- Peanuts	(p/ton)	7,500	5,700
- Tobacco	(p/ton)	10,000	18,100
- Sugar cane	(p/ton)	290	300
- Sweet potatoes	(p/ton)	900	900
- Vegetables	(p/ton)	3,700	3,700
Inputs	e e e e e e e e e e e e e e e e e e e	. e e e e e e e e e e e e e e e e e e e	
(1) Seed - Paddy	(p/kg)	7.5	8.6
- Corn	(p/kg)	20.0	18.0
- Beans	(p/kg)	10.0	5.4
- Peanuts	(p/kg)	10.4	7.9
- Tobacco	(p/3,000 seedlings)	40.0	72.4
- Vegetables	(p/kg)	335.0	335.0
(2) Fertilizer - N	(p/kg)	9.7	12.4
- P ₂ O ₅	(p/kg)	9.5 <u>/2</u>	9.1
- K ₂ O	(p /kg)	9.5 <u>/2</u>	5,3
(3) Agro-chemicals/3 - Liquid	(p/ℓ)	220	235
- Granular		20	21
(4) Labor	(p/day)	25	11 /
(5) Hired animal	(p/day)	33	33
(6) Operation cost of farm machiner	y (p /day)	620	620

/1: 1985 constant price

12: Economic price of agro-chemicals are estimated as below:

 $EP = FP \times SP \times IR$

Economic price of agro-chemicals Financial price of agro-chemicals Conversion factor for shadow price (0.82) Average increased rate of price for fertilizer from 1985 to 1995 (1.30) EP;

SP:

ĪR:

	1985 Cosn	itant Price	Average
·	1985 (US\$/ton)	1995 (US\$/ton)	Increased Rate
Urea	136	209	1.54
T.S.P	122	149	1.22
KCl	84	97	1.15
Average			1.30

(Source:: IBRD Price Projection)

13: Estimated on the basis of compound fertilizer (14:14:14)

14: Adjusted by the conversion factor of 0.52 for rural unskilled labor and consumption conversion factor of 0.84 as follows:

Conversion factor to economic price $(0.44) = 0.52 \times 0.84$

Table 6.11 Irrigation Benefits in Irrigation Development Schemes

Table 6.11 (1) Irrigation Benefits of Chico Mailig Irrigation Project

men	Without	1.47.00													
	Project	Project	nera- mental	Item	Without Project	With Project	Incre- mental	ധജു)	Without Project	With Project	incre- mental	med	Without Project	With Project	Incre- mental
Tomi Area (ha)				Tobaco	660	5 270	0 950	1 Total Area /ha)				Tobacos	000	ערני ט	0
The state of	030.00	000	e de	Social Control	2	1 1 2	,	Dodate fold	600	200	0,00	1/2 = -4- -1-	2000	0,4,0	200
Paper for any page	2,000	2,000	0 (0	Doge		000		One of the second	25,000	000.00))	Vegeratives One-6		208,7	
	5 2) ()	,	2000		O : 6 ' V		Service Control of Con	0 0	2	9	064113		7,830	
(REO.)	0/8/0	0.00	0/8/0	Peanus	200			(mag)	0/8/0	0 00	0/8.6	resints	0,830		
•	31,200	002.15	> ,	Sweet polatices	2,900				37,200	31,200	9	Sweet potatoes	2,900		
2. Harvested Area (na)				Orgar care	5,760			2. Harvested Area (ha)				Sugar cane	5,760		
Paddy -Wet season	22,060	28,030	5,970					Paddy - Wet season	22,060	28,030	5,970				
-Dry season	0	28,030	28,030	6. Gross Production Value (1000 Pe	Value (1000	Pesos)		-Dry season	0	28,030	26,030	6. Gross Production Value (1000 Pesos)	/alue (1000	Pesos)	
(Fotal)	22.060	56.060	34,000	Paddy	192804	1,011,683	819,079	(Total)	22,060	56,060	34,000	Padov	192804	969.277	776.473
. 8	00%	5.070	22 730	, E		51.334	32,380		7.800	5.070	-2.730	Lon	18 954	5. 224	32 380
Tobaco		088	Car	Tohom		22 808	22.806	Tobacca		089	630	Tobacco))	908.60	300.00
) Consideration	•	9 6	200	Consider Viscontification	> 0	20,00	20,00	7/2000	• <		200	100000		200,22	22,900
Vegetables	.	240	700	vegetables	.	40/109	40,00	Vegetales	> (3 6) () ()	Vegetackes)	3000	30,784
Beans	0	29,620	29,620	Beans	0	235,478	235,478	Beans	Э,	280	200	CARTIS	Ö	12,641	12,641
Peanuts	630	0	-630	Peanuts	2,514	0	-2,514	Peanuts	630	0	-630	Peanuts	2,514	α	-2,514
Sweet potatoes	100	0	100	Sweet potatioes	450	O	4.50	Sweet potatoes	<u>6</u>	ဝ	-100	Sweet potatoes	450	0	4.50
Sucar cane	500	0	-500	Sugar cana	5.850	Ö	-5.850	Sugar cane	500	0	900	Sugar cane	5.850	C	5.850
(E)	31,090	92.020	60 930	Eto.	1	352 286	1 131 714	TO L	31 090	63 990	32 900	[cto]	1	1 086 842	868 270
3 (Init Vield (nochs)				7 Total Production Cost (1000 Pasos)	Cost (1000 P	'Asos'		3. Unit Yield (mo/ha)		-		7 Total Production Cost (1000 Pages)	0et (1000 P.		
(•		•				1		0						
Paddy-Wet season	2.30	4. I	N. 20	Lacox	80,740	331,315	520,5/5	Paddy-Wet Season	7.30	7	1.80	/accy	80,740		249,173
Dry season		200		S	12,714	24,742	12,028	-Dry season		5.00		Som	12,714	24,742	12,028
ES	0.90	3.75	2.85	Tobacco	Ð	3,320	3,320	8	0.30	3,75	2.85	Tobacco	ø	3 320	3,320
Topecoo	0.60	2.00	1.40	Vecetables	٥	5,030	5.030	Tobacco	0.60	2.00	1,40	Vegatables	0	5,030	5,030
Vocatables		19.00	•	2000	· c	R6 787	86 787	Vecenables		13.00		Beens	C	4 659	45.5
Y O'S MOUNTS		7		2 mag 1	2 6	3	101	30000		5	÷	20000	1 101) C	100
Dearis	1	8		Spring	5 6		- 6-6		0	ļ		200	- (- (c)
Peanuts	0.70			Sweet potatoes	280	> (082-	rearruss 0	2 6			Secretarion Services	200		267
Sweet potatoes	2.00			Sugar cane	2,880		099.2	Sweet poraroes	9 6			Sodar Care	2,880	. [2.88
Sugar cane	39.00		-	元 0.5	97,815	451,194	353,379	Sugar cane	38.00			102	97,815	367,664	269,849
4. Unit Price (Peso/ton)				8. Net Production Value (1000 Pesos)	alue (1000)	7esos)		4. Unit Price (Peso/ton)	_			8. Net Production Value (1000 Pesos)	lue (1000 P	(sose	
	000	c c	-	\$ 000 C	112064	580 583	568 504	Paddy	3.800	3.800		Paddy	112064	639 364	527.300
See	200,0	2000		£ 50	R 240	26 592	20 342	5	2 700	2.700		EQ.	6 240	70.00	20.352
3	0 0	3 6		3			90707	Tolango	ia	i q		Tohnon	!	10000	1000
000000	18.100	18.1		1 opacoo	3	0,40	004	COSCO	0, 0	00, 00		i deales	5 (08+%-	0.4
Vegetables	3,700	3,78 9,78		Vegetables	0	25,754	25.75	Vegetables	3,700	3,700		Vegetables		25,734	25,754
Bearts	5,300	5,300		Beans	0	148,692	146,692	Beans	5,300	5,300		Seems	O	7,982	7,982
Peacuts	5.700	5.700		Peanuts	1.323	0	-1,323	Peanuts	5,700	5,700		Peanuts	1,323	O	323
Swoot potatoon	008	006		Swan houses	160	O	160	Sweet potatoes	900	006		Sweet potatoes	160	0	-160
Constitution of the	000			Super room	0.970	C	0.56	Sucar cane	300	300	. *	Supar cane	2,970		-2,970
जारीया त्यास	000	2		Total	122757	901 092	778.335		•			Total	122757	719.178	596.421
5 Unit Production Cost (Passalha)	(Passolna)			5	î		1	5. Unit Production Cost (Peso/ha)	(Peso/ha)		12				
Paddy-Wat season	3.660	5,690	2.030	9. Annual Incremental Benefit	মে Benefit	: -		Paddy-Wet season	3,660	5,640	1,980	9. Annual Incremental Benefit	al Benefit		
-Dv season		6,130		(Peso/ha)	3,935	28,881	24,946	-Dry season		6,130		(Peso/ha)	3,935	23,051	19,116
in may	1.530	4 880	2.250					E	1,630	4.880	3.250	• . :			
ŝ)	}	1												

Table 6.11 (2) Imgation Benefits of Matuno River Irrigation Project

ပ္ပံ
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Pattern
Cropping
Proposed

men.	Project	Project	incre- mental	Lieu.	Without Project	Project	mental	liem	Project	With Project	Incre- mental	frent	Without Project	With Project	incre-
1. Total Area (ha)		·:		Tobacco	3,020	5,270	2,250	1. Total Area (ha)				Tobacco	3,020	5,270	2,250
Paddy field	11,050	11,050	0	Vegetables		7,860		Paddy field	11,050	11,050	0	Vegetables		7.860	
Diversified cropland	1,630	1,630	0	Beans		2,930		Diversified cropland	1,630	1,630	0	Beans		2,930	
(150 m)	72,680	12,580	5	Sweet potatoes	000			(moc)	22,580	12,680	3	Peanuts Sweet potatoes	000		
2. Harvested Area (ha)				Sugar cane	5,760			2. Harvested Area (ha)				Sugar cane	5,760		
Paddy -Wet season	11,050	11,050	0					Paddy -Wetseason	11,050	11,050	0				
-Dry seeson	6,000	11,050	5,050	6. Gross Production Value (1000	Value (1000		,	-Dry seeson	000'9	11,050	5,050	6. Gross Production Value (1000 Pesos)	Value (1000	Pesos)	
(gao)	17,050	22,100	5,050	Packly	168397	398,905	230,508	(Total)	17,050	22,100	5,050	Paddy	168397	382,109	213,712
Som	2,970	2,610	360	Š	8,019	26,426	18,407	Son	2,970	2,610	-360	8	8,019	26,426	18,407
Tobacco	0	330	330	Tobacco	0	11,946	11,946	Tobacco	0	330	330	Tobacco	o	11,946	11,946
Vecetables	0	320	320	Vegetables	0	15,392	15,392	Vegetables	0	320	320	Vegetables	0	15,392	15,392
Beans	0	11,870	11,870	Beans	0	94,367	94,367	Beans	0	820	820	Beans	a	6,519	6,519
Peanuts	320	0	-320	Peanuts	1,277	Ö	-1,277	Peanuts	320	0	-320	Peanuts	1,277	0	1,277
Sweet potatoes	9 9	0	જુ	Sweet potatods	225	0	-225	Sweet potatoes	ያ	0	ស្ត	Sweet potatoes	225	O	-225
Sugar cane	0	0	0	Sugar cane	0	0	0	Sugar cane	0	0	0	Sugar cane	0	0	C
Total	20,390	37,230	16,840	Total	177918	547,036	369,118	Total	20,390	26,180	5,790	York	177918	442,392	264,474
3 Unit Yield (ton/be)				7. Total Production Cost (1000 P	tost (1000 F	(\$080		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	set (1000 F	esos	
Packty Wot season	08.0	4 50	2.20	Pacidy	66.663	130,611	63.948	Paddy-Wet season	2.30	4.10	1.80	Pacidy	66,663	130,059	63,396
- Dev season	6	200		Š	5,376	12,737	7.361	-Dry season	3.15	5.00		8	5,376	12,737	7,361
Com Con	90	3.75	2.75	Tobacco	0	1,739	1,739	8	1.00	3.75	2.75	Tobacco	o	1,739	1,739
Tohaco	0.60	2.00	1.40	Venetables	0	2,515	2,515	Tobacco	0,60	2.00	1.40	Vegetables	0	2,515	2,515
Vacatables)))	13.00	!	Beans	0	34,779	34,779	Vocetables		13.00		Beans	O	2,403	2,403
Roans		₽ 1		Peanuts	605	0	-605	Beans		1.50		Peanuts	605	0	-605
Doanite	0.70			Sweet potatoes	145	0	.145	Peanuts	0.70			Sweet potatoes	4 50	0	-145
Sweat potatoes	5.00			Sugar cane	0	0	O	Sweet potatioes	5.00			Sugar cane	0	0	0
Sugar cane	39.00			Total	72,789	182,381	109,592	Sugar cane	39.00			izoj	72,789	149,453	76,664
4, Unit Price (Peso/ton)				8. Net Production Value (1000	Jue (1000)	Pesos)		4. Unit Price (Peso/ton)				8. Net Production Value (1000		Pesos)	
Paddy	3,800	3,800		Packy	101,734	268,294	166,560	Paddy	3,800	3,800		Paddy	101,734	252,050	150.316
S	2,700	2,700			2,643	13,689	11,046	Corn	2,700	2,700		8	2,643	13,689	11,046
Tobacco	18,100	18,100		Tobacco	0	10,207	10,207	Tobacco	18,100	18,100		Tobacco	0	10,207	10,207
Vecetables	3,700	3,700		Vegetables	0	12,877	12,877	Vegetables	3,700	3,700		Vegetables	0	12,877	12,877
Beans	5,300	5,300		Beans	ဝ	59,588	59,588	Beans	5,300	5,300		Beans	0	4.116	4,116
Pasnuts	5,700	5,700		Peanuts	672	0	-672	Peanuts	5,700	5,700		Peanuts	672	0	-672
Sweet potatoes	800	900		Sweet potatoes	80	0	ဓု	Sweet potatoes	900	900		Sweet potatoes	83	0	œ လ
Sugar cane	300	300		Sugar cane	0	0	0	Sugar cane	300	300		Sugar cane	0	٥	٥
				Total	105,129	364,655	259,526		ç			Total	105,129	292,939	187,810
Unit Production Cost (Peso/ha)	(Pesoha)	,			ć			5. Unit Production Cost (Peso/ha)	(Feso/ha)	i	4		9		
Paddy-We: season	3,650	5,690	2,030	9. Annual incremental Benefit	al Benefit	6	0	raddy-wet season	3,550	5,540	1,880	S. Annual incremental beneat	al Benerii	000	0 1
-Dry season	4,370	6, 30		(Peso/na)	162'8	gc/'82	70,467	-Ory season	0/8/5	051.9		(Pesovia)	9,53	20, 102	Į.
		4	<***						•	000	c				

Table 6.11 (3) Irrigation Benefits of Dabubu Irrigation Project

	779901	Project	menta		Project	Project	тепр		Project	Project	mental		Project	Project	mental
1. Total Area (ha)				Tobacco	3,020	5,270	2,250	1. Total Area (ha)				Tobaco	3.020	5.270	2.250
Pacidy field	550	220	O	Vegetables		7,860		Paddy field	920	550	O	Vecetables		7,860	;
Diversified cropiand	450	450	0	Beans		2,930		Diversified cropland	4 55	450	0	Beans		2,930	
(Lotal)	000,	1,000	0	Peanuts	1,890			(Total)	1,000	1,000	0	Paanuts	1,890		
				Sweet potatoes	2,900							Sweet potatoes	2,900		
2. Harvested Area (ha)		1	i	Sugar carse	5,760			2. Harvested Area (ha)				Sugar cane	5,760		
Paddy -Weil season	200	250	क्ष					Paddy -Wet season	909	250	20				
-Dry season	0	250	950 0	6. Gross Production Value (1000 Pe	Value (1000	Pesos)		-Dry season	0	250	550	6. Gross Production Value (1000 Pesos)	Value (1000	Pesos)	
(fotal)	500	1,100	900	Paddy	4,180	19,855	15,675	(Rap)	200	7,100	900	Paddy	4,180	19,019	14,839
CO E	820	710	-110	Som	1,993	7,189	5,196	Coa	820	710	-110	S	1,993	7,189	5,196
Tobacco	S	8	5	Tobecco	543 50	3,258	2,715	Tobacco	ያ	80	40	Tobacco	543	3,258	2,715
Vegetables	0	9	100	Vegetables	o	4,810	4,810	Vegetables	0	100	100	Vecetables	o	4.810	4,810
Seans	0	780	780	Seans	0	6,201	6,201	Beans	0	230	230	Beans	0	1,829	1,829
Peanuts	90	0	08-	Peanuts	358	0	-359	Peanuts	8	0	Ģ.	Peanuts	359	O	-359
Sweet potatoes	0	0	0	Sweet potatoes	0	6	0	Sweet potatoes	O	Ö	0	Sweet potatoes	٥	O	0
Sugar cane	0	O	0	Sugar cane	0	0	۵	Sugar cane	0	6	o	Sugar Cana	Q	o	C
[Sel	1,460	2,780	1,320	7830	7,075	41,313	34,238	104	1,460	2,230	770	101	7,075	36,105	29,030
													٠		
3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Sost (1000 P	(sose,		3. Unit Yield (bou/ha)				7. Total Production Cost (1000 Pesos)	Sest (1900)	Sesos)	٠
Paddy-Wet season	2.20	4. 8.	2.30	Padd	1,750	6,501	4,751	Paddy-Wet season	2,20	4.10	1.90	Paddy	1.750	5.474	4.724
- Ory season		5.00		Ş	1,337	3,465	2,128	-Dry seeson		8.8		8	1,337	3,465	2,128
င်္လ	0.90	3.75	2.85	Tobacco	151	474	323	Eog	0.00	3,75	2.85	Tobacco	151	474	33
Tobacco	0.60	2.00	1.40	Vegetables	0	786	786	Tobacco	0.60	2.00	- - -	Vegetables	0	786	786
Vegetables		13.00		Beans	0	2,285	2,285	Vegetables		13.00		Beans	٥	874	674
Beans		3.50		Peanuts	170	O	-170	Веалѕ		1.50		Peanuts	170	o o	170
Peanuts	0.70		:	Sweet potatoes	0	α	O,	Peanuts	0.70			Sweet potatoes	o	0	C)
Sweet potatoes	5.00			Sugar cane	0	٥	0	Sweet portoes	5.00			Sugar cane	o,	0	٥
Sugar cane	39.00			Total	3,408	13,511	10,103	Sugar cane	39.00			120 <u>1</u>	3,408	11,873	8,465
* * * * * * * * * * * * * * * * * * *				A the A Charles Annual 14	9 0000	4.4			٠						
4. Unit Price (Pesotion)				6. Net Production Value (1000 Pesos)		(SOS)		4. Unit Price (Pesoran)	_			8. Net Production Value (1000		resos)	
Paddy	3,800	000		(S)	2,430	400,00	10,924	raddy	3,800	3,800		2009	2,430	12,545	10,115
5	2,700	2,700		E .	866	9,724	3,058	E S	2,795	2,790		E i	or S	3,724	200
Tobacco	18,100	18,100		Tobacco	392	2,784	2,382	Occapi	18,100	18,100		Tobacco	392	2,784	2,392
Vegetables	3,700	3,700		Vegetatives	0	4,024	4,024	Vegetables	3,700	3,700		Vegetables	o	4,024	4,024
Beans	5,300	2 300		Beans	O	3,916	3,916	Beans	5,300	5,300		Beans	ö	1,155	1,155
Peanuts	5,700	5,700		Peanuts	189	0	189	Peanuts	5,700	5,700		Peanuts	189	0	
Sweet potatoes	900	006		Sweet potatoes	0	0	O	Sweet potatoes	900	028		Sweet potatoes	Ö	O	0
Sugar cane	300	300		Sugar cane	0	0	6	Sugar cane	300	300		Sugar cane	o	0	0
				Total	3,667	27,802	24,135		. •			1023	3,667	24,232	20,565
5. Unit Production Cost (Peso/ha)	(Peso/ha)							5. Unit Production Cost (Pesoma)	(Peso/na)						
Pacdy-Wet season	3,500	5,690	2,190	9. Annual incremental Benefit	za Benefit		;	Paddy-Wet season	3,500	5,640	2,140	9. Annual incremental Benefit	ai Benefit	,	
-Dry season	-1	6,130		(Pesorna)	3,667	27,802	24,135	-Dry season		6,130	i d	(Peso/ha)	3,66/	24,232	20,060
Š	1,630	4,880	3,250				-	5	050,	4,880	3,430				

Table 6.11 (4) Imgation Benefits of Zinundungan Imgation Extension Project

	Project	Project	mentz		Project	Project	menta		Project	Project	menta		Project	Project	menta
1. Total Area (ha)				Tobacco	3,020	5,270	2,250	1. Total Area (ha)			-	Tobacco	3,020	5,270	2,250
Paddy field	1,450	1,450	0	Vegetables		7,860		Paddy field	1,450	1,450	0	Vegetables		7,860	
Diversified cropland	300	330	٥	Beans		2,930		Diversified cropland	300	300	٥	Beans		2,930	
(Fotal)	1,750	750	O	Peanuts	1,890			(Total)	1,750	1,750	0	Peanuts	2,830 0,000 0,000		
				Sweet potations	008,7							Sweet potatoes	008,7		
2. Harvested Area (na)		•		Sugar cane	20,00			Z. Harvested Area (ha)				Sugar cane	2,760		
Paddy -Wet season	1,750	1,450	300	•				Paddy -Wet season	1,750	1.450	-300			1	
-Dry season	٥	1,450	1,450	6. Gross Production Value (1000 Pesos)	Value (1000	Pasos)	1	-Cry season	0	1,450	3,450	6. Gross Production Value (1000 Pesos)	Value (1000	Pasos)	1
(EtoL)	1,750	2,900	1,150	Padcy	16,625	52,345	35,720	(Total)	1,750	2,900	3.5	Paddy	16,625	50,141	33,516
Com	270	480	-290	ş	2,287	4,860	2,573	E OS	7,70	480	-280	E8	2,287	4,860	2,573
Tobacco	0	g	8	Tobacco	Ó	2,172	2,172	Tobacco	0	09	90	Tobacco	o	2,172	2,172
Vecetables	0	00	9	Veqetables	0	2,886	2,886	Vecetables	0	09	09	Vegetables	0	2,886	2,885
Doons	c	1.600	1.600	Pears	0	12,720	12,720	Beans	c	550	150	Seems	0	1.193	1.193
Posnite	e C	C	9	Populity	239	C	239	Peanits	ů.	C	Ç	Pagnits	239	C	239
Supply potatoos	c	·c	, c	Sweet notations	C		c	Sweat policions	2	c	c	Sweet potatoes	C	C	C
Sweet Loranoes	,	o c		Silvar cond	:			Sugar popular	· (o c		Character popular			
Culdar cane	2 500	200	0 500	200	19 151	74 983	55 835	50 E	0 580	2 650	1070	Super Carre	10 151	R\$ 950	42 101
35	000	3	4, 550	800	2	2	2	5	2001	3	2	8		303,10	2
3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(sose)		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	P 0001) 1864	,esos)	
Paddw-Wetseason	2.5	8,5	2.00	Paddy	6.965	17,139	10.174	Paddv-Wet sesson	2.5		1.60	Paddy	6.965	17,067	10,102
Divsesson	j	5.00	i	Š	1.532	2.342	810	-Dry saeson		5,00	:	ેહ	1,532	2,342	810
(in the contract of the contra	,	3 75	2 65	Tobacco		316	316	8	*	3.75	2.65	Tobacco	0	316	316
Tobacc	C	000	40	Vecetables	0	472	472	Tobacco	0.60	2.00	4.40	Vecetables	0	472	472
Vestables	3	5	•	Spans		4 688	4.688	Vecetables	<u> </u>	13.00		Seens	0	440	440
Books		G G		Peanuts	113			Spans				Peanuts		O	4.4
2000	02.0	3		Sucot potatoor		·c	c	Dooning	0,40	}		Supply rotatobs	· c	ć	
reancits	2 6			Chines (botalines	٥ ۵	•		Sucos potatos	5			Creer man	c	o ¢) C
Sweet potatoes	ລາດຕ			School Carre				CAMPIN MISIONES	20.0			Sugar Carre	,		
Sugar cane	39.00			Total	8,610	24,957	16,347	Sugar cane	39.00			<u>آم</u>	8,610	20,637	12,027
4. Unit Price (Peso/ton)				8. Net Production Value (1000	alue (1000 F	Pesos)		4. Unit Price (Peso/lon)				8. Net Production Value (1000: Pesos)	dua (1000. F	(sose _c	
Paddy	3,800	3,800		Paddy	099'6	35,206	25,546	Paddy	3,800	3,800		Paddy	9,660	33,074	23,414
S	2,700	2,700		S	755	2,518	1,763	Con	2,700	2,700		8	755	2,518	1,763
Tobacco	18,100	18,100		7008000	0	1,856	1,856	Tobacco	18,100	18,100		Tobacco	O	1,856	1,856
Vecetables	3 700	3.700		Vecetables	0	2,414	2,414	Vegetables	3,700	3,700		Vecetables	0	2,414	2,414
Besns	5 300	5,300		Boans	0	8,032	8,032	Beans	5,300	5,300		Beans	0	753	253
Pagnife	3700	5 700		Peanuts	126	0	-126	Peanuts	5,700	5.700		Peanuts	126	o	1.26
Sweet potatoes	006	000		Sweet potatoes	O	O	0	Sweet potatoes	900	800		Sweet potatoes	0	0	C
Sina Cana	300	000		Supar Cane	0	O	0	Sucar cana	300	300		Sugar Cane	О	0	0
	}	•		Total	10,541	50,026	39,485	,				EGO.	10,541	40,615	30,074
5. Unit Production Cost (Pesorha)	(Peso/ha)				•			5. Unit Production Cost (Peso/ha)	(Peso/ha)						
Paddy-Wet season	3,980	5,690	1,710	9. Annual incremental Benefit	tal Benefit	4	000	Paddy-Wet season	3,980	5,640	1,660	9. Annual Incremental Benefit	al Benefit	000	20.4.
-Dry season		6,130		(Peso/ha)	6,023	28,586	22,563	-Cry soason	,	6, 130		(Feso/ha)	6,023	23,208	8
S	Coo	088	2.890					Ę	1,890	4,380	2,830				

Irrigation Banafits of Alcala Amulung West Irrigation Project Table 6.11 (5)

hsm							i								
31,001	Without Project	Mi⊞ Project	Incre- mental	ltem	Without Project	With Project	Incre- mental	me#	Without Project	With Project	Incre- mental	them:	Without Project	With Project	Incre- mental
Total Area (ha)				Tobacco	3 000	5 270	0366	1 Total Area (ha)				4 4 4	0	£ 5	c c
709 7700	0,000	040	c	Vecetables		7 880	j	Dools, fold	030 0	0	ć		0,000	0.00	۲,۵,
Diversified cropland	006 0	008	0	Beans		086.2		Divarcified crocland	0000	000	o c	Vegeranes		2000	
Start Same	250	2 750		0000000	000)			200	2000		2000	,	יים מיים מיים	
(1000)	2	3	o	Sweet potetoes	000			(man)	00.10	2, 5	9	reanuts	0687		
2 Manuschod Area (ha)				Shoar rang	780			2 Haptosted Area (ha)				Sweet polatoes	2000 1000 1000 1000 1000 1000 1000 1000		
Condata (4(a) 10000	CH C	000	¢		1			Dodde Mat soons	0	6	C	30ga: Caire	2,750		
randy -well season	000	0000	9		14000			racos - well season	3,850	3,850) (ı	
-Dry seeson	5	3,850	3,00	Gross Production Value (1000 Pesos)	Value (1000	Pesos)		-Dry season	0	3,850	3,850	6. Gross Production Value (1000 Pesos)	Value (1000	Pesas)	
(RIOL)	3.850	7,700	3,850	Paddy	32,186	138,985	106,799	(<u>a</u>	3,850 038,0	7,700	3,850 8	Paddy	32,186	133,133	100,947
Sea	5.410	4,640	-770	Ş	13,146	46,980	33,834	U	5,410	4.640	-770	Contract of the	13,146	46.980	33,834
Tobecco	0	580	580	Tobacco	0	30,996	20,996	Tobacco	C	580	280	Tobacco	0	20.986	20.99
Vecetables	C	580	580	Vecetables	0	27.898	27.898	Vecetables	C	7,80	CBR.	Vacatables	C	27 898	27.00
2000		300	7 200	Desore	c	42 135	42 145	Beans	C	255	288	Doone		000	200
200000	4))	Conti	Dogwin	27.0	ì	\$ FC C	Since O	0 00	3	3 6	Company	0	0,0	2.0
CONTRACT OF	90	> 0	3.8	Spins	7 0	0 (7 6	Significan	200	>	200	r Bandis	t 1	3 (4.5.7
Sweet polatoes	2 (5 (Ç,	Sweet polatices	0/2	> 0	0/2-	Secretary Services	9 9	O	9	Sweet potatoes	0/2	3	0/2-
Sugar cane	230	0	2330	Sugar cane	2,691	ı	-2,691	Sugar cana	230	٥	-230	Sugar cane	2,691	0	-2,69
Total	10,130	18,800	8,670	Total	50,607	276,994	226,387	E SC	10,130	14,950	4,820	Tozi	50,607	240,535	189,928
3 Unit Yield (ton/ha)				7, Total Production Cost (1000 Pesos)	Cost (1000 F	(\$0\$6		3. Unit Yield (ton/ha)				7 Total Production Cost (1000 Pesos)	20st (1000 F	98505)	
Dodge Mar coacon	000	\rac{1}{2}	000	Darber	12 475	45 507	22 032	Parint, Wat space	000	7	S	C Ashara	37.6.5	45.45	20 00
license late from 1	7.4	3 5	ì	(200		0000	1000	Constant Constant	6.10		Š.	Sec.)	2 6	0 0	
Try season	,	3 1		§ ,	2 2 2 3	22,043	13,820	-Cry season	;	90.0	!	§ ;	30 20 20 20 20 20 20 20 20 20 20 20 20 20	22,643	13,825
E	0.90	3.75	2.85	opacco	o (3,057	3,057	E .	0.90	3.75	2.85	ODSCO	O	3,057	3,05
Tobacco	g.8g	5.00	4,4	Vegetables	٥	4,559	4,559	Tobacco	0.60	2.00	1,40	Vegetables	0	4,559	4,558
Vegetables		13.00		Beans	0	15,529	15,529	Vegetables		13,00		Beans	0	4,249	4.249
Beans		.50		Peanuts	1,096	O	-1,096	Beans		 8		Peanuts	1,096	0	960'1-
Peanuts	0,70			Sweet potatoes	174	O	-174	Peanuts	0.70			Sweet potatoes	174	O	-174
Sweet potatoes	9.00			Sugar cane	1,325	0	-1,325	Sweet potatoes	5.00			Sugar cane	1,325	0	1,32
Sugar cane	39.00			Total	24,888	91,295	66,407	Sugar cane	39.00			Total	24,888	79,823	54,935
				1		,									
4. Unit Price (Peso/ton)				8. Net Production Value (1000		Pesos)		4. Unit Price (Peso/ton)	_			8. Net Production Value (1000		resos)	
Paddy	3,800	3,800		Paddy	18,71	93,4/8	/4,/6/	, aoo	3,800	3,800		raddy.	18,711	87,818	69,107
Sea	2,700	2,700		S	4,328	24,337	20,009	Con	2,700	2,700		S	4,328	24,337	20,009
Tobacco	18,100	18,100		Topacco	0	17,939	17,939	Tobacco	18,100	18,100		Tobacco	0	17,939	17,939
Vecetables	3,700	3,700		Vegetables	0	23,339	23,339	Vegetables	3 700	3,700	•	Vegetables	0	23,339	23.33
Basse	5 300	5.300		Beans	a	26,606	26,606	Beans	5.300	5,300		Beans	0	7.279	7.27
Consists	2007	200		Dogodik	1 218	c	1 218	Pagnitte	700	700		Pagnite	20.0		1 218
Company of the Company	200	200		Supply motather	80	· C	96	Sweat potstos	000	000		Swoot potatooe	i g		9
Sweet postions	0 0	8 6		Significant	1 266	ع د	356	Singst Cons	300	0 0		Swarmbo	1 20 0		, <u>6</u>
Sugar Cars	2	000		1457	25,740	195 500	2000	200	2	2		200	25,740	250 715	197 000
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1040000			800	61,04	000	000'00	A Hait Dood without Cost (Does)	(Poco/ha)				5,77	21 / 100	5
Controversion Cost (1987)	(SUPPL)	6	000	A Annual Person on the Banafit	tal Bonefit			Paddy-Wat sasson	2 500	5.840	2 140	9 Appriat Incremental Benefit	Ponefit		
raccy-wet season	היה היה	0000	, , ,	Open/ha/	2 8 10	27 511	29, 701	Company of the season)	7,00	- 1	(Pasolha)	3.840	908.00	900
Society Victoria	000	2000	036.0	(dispose)	2	}		Con Co	1.630	200	2.050	(m))	2007	
Š	000	200.4	2,7					3	2	4,000	3				

Table 6.11 (6) Irrigation Benefits of Tuguegarao Irrigation Project

Without Public Without Project	7															
1. Total Area (Paris) To	LL SECTION OF THE SEC	Project	Project	incre- mental	ttem T	Without	Project	incre- mental	E 23	Without	With Project	facte-	weij	Without	THUM.	Incre-
155 250 Comparable 1,800 Comparable 1,8											120121	100		1000	Ligher	inerical.
1.50 1.50	1. Total Area (ha)				Tobacco	3,020	5,270	2.250	1. Total Area (ha)				Tobaco	0000	200	0
1155 1150 Co	Paddy field	250	250	O	Vegetables		7.860		Packty field	250	250	¢	Vonstalan	0,000	7,70	25.5
1,400 1,400 Permits 1,899 Permits 1,899 Permits 1,890 Permits 1,890 Permits 1,890 Permits 1,890 Permits	Diversified cropland	1,150	1.150	Ö	Beans		2.930		Diversified cropland	3 5	- 1 - 1 - 1 - 1	o c	Doors		0000	
Saye Control	(Total)	1,400	1,400	0	Peanuts	1,890			(lead)	1 400	1 400		Dogust	0	7,850	
250 250					Sweet potatoes	2,900				2	201	,	Swoot pompon) () () ()		
250 250 <td>2. Harvested Area (ha)</td> <td></td> <td></td> <td></td> <td>Sugar cane</td> <td>5,760</td> <td></td> <td></td> <td>2. Harvested Area (ha)</td> <td></td> <td></td> <td></td> <td>Sugar moo</td> <td>200,4</td> <td></td> <td></td>	2. Harvested Area (ha)				Sugar cane	5,760			2. Harvested Area (ha)				Sugar moo	200,4		
Composition	Paddy -Wet season	250	250	0	•				Paddy -Wet season		250	c	2000	20.0		
250 500 Peachy 2.06 9.025 6.935 Common (Common Processor) 6.124 11.544 Violence (Common Processor) 11.544 Violence (Common Processor) 11.544 Violence (Common Processor) 6.124<	-Dry season	0	250	250	6. Gross Production	Value (1000	Pesos)		-Dry seeson	C	250	250	S. Grose Drodon	Malus Mod	(2000)	
1,890 1,830 2,500 1,830 1,830 2,50	(10ta)	250	500	250	Paddy	2.090	9.025	6.935	Copy	250	200	250	Dodge Condon	4000 C	(50597)	u u
Colored Colo	-	1.890	1.830	9	S	6 124	18,529	12.405		280	- C	3 4	5 6	00,0	0 0	0,000
0 240 Vegetables 0 115444 115444	Tobacco	o	230	530	Tobacco	0	8.326	8326	Tobacco		23,5	3 6	Toboses	, ,	670,0	2,400
Columbia C	Vecetables	c	240	240	Variations	C	11 544	11544	Vocatable	•	200	2 6	1008001) (0,220	9,326
2.30 0.50 <th< td=""><td>Constant of the Constant of th</td><td>) C</td><td>0 0</td><td>0.00</td><td>Company of the company of the compan</td><td></td><td>100</td><td>) · ·</td><td>A estables</td><td>> •</td><td>240</td><td>240</td><td>Vegetables</td><td>0</td><td>11.544</td><td>11,544</td></th<>	Constant of the Constant of th) C	0 0	0.00	Company of the compan		100) · ·	A estables	> •	240	240	Vegetables	0	11.544	11,544
2.370 3.630 1.260 2.30	00000	0 6	000	900	Dean's) (680 0	880°0	EXABILIS	0	580	280	Beans	o	4,611	4,611
Sugar Carnol O O O O O O O O O	Peanuts	230	0	-230	Peanuts	918	0	-918	Peanuts	230	0	-230	Peanuts	Q) 00	0	-918
2.20 4.50 Designation of the control of	Sweet potatoes		0	0	Sweet potatoes	0	0	0	Sweet potatoes	0	0	O	Sweet potatoes	0	O	0
2.20 3.600 Total Production Cost (1000 Pescs) 4.4.891 Total (northe) 7.7 Total Production Cost (1000 Pescs) 3. Unit Yadi (northe) 7. Total Production Cost (1000 Pescs) 3. Unit Yadi (northe) 7. Total Production Cost (1000 Pescs) 7. Total Production Cost (1000 Pescs) 3. Unit Yadi (northe) 7. Total Production Cost (1000 Pescs) 8. Nat Production Value (1000 Pescs) 9. Soper Common Signo	Sugar cane	0	٥	o	Sugar cane	0	0	0	Sugar cane	0	0	o	Sugar cana	C	c	C
2.20 4.50 2.30 Paddy Paddy Molt season 2.20 4.10 4.10 8.35 4.85 2.95 7.7 Total Production Cost (10000 Peacos) 3. Unit Yield (tan/he) 2.20 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.10 1.30 4.20 4.10 1.30 4.10 1.20 4.10	Total	2,370	3,630	1,260	LCC3	9,132	54,023	44,891	Total	2,370	3,380	1,010	Fotal	9,132	51,655	42,523
2.20 4.50 2.30 Paddy 875 2,955 2.080 Paddy-Wat season 2.20 4.10 1.90 1.20 3.75 2.55 Tobaco 4.101 8,930 4,829 Doysesson 2.20 5.00 0.50 2.06 2.06 1.40 Vegatables 0 1.212 2.432 Com 1.20 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.80 <td< td=""><td>3. Unit Yield (ton/ha)</td><td></td><td></td><td></td><td>7. Total Production (</td><td>Cost (1000 P</td><td>(5058)</td><td></td><td>3 Unit Yald (ma/ha)</td><td></td><td></td><td></td><td>7 Tabal Bundahan</td><td>00000</td><td></td><td></td></td<>	3. Unit Yield (ton/ha)				7. Total Production (Cost (1000 P	(5058)		3 Unit Yald (ma/ha)				7 Tabal Bundahan	00000		
1.20 2.00 Com 4.101 8,330 2.00 Com 0.121 2.12 Com 0.00 0.00 1.20 1.50 0.00 0.00 0.00 1.20 0.00 0.00 0.00 1.20 0.00 0.0	Dodder West control	200	C	000	thoo	37.0	2000	0000	County of the Co		•	;	7. Sotal Production	1001) 150	(sose	
1.20 3.75 2.55 Tobacco 1.21 1.21 2.72 2.43	Inches 1944 from 1	2.20	8 6	3.50	, ac	7 6 7	2,00	200	raudy-well season	Z.20	4.10	1.90	Paddy	875	2,943	2,068
1.20 1.40 Vegetables 1.212 1.212 1.20ccc 1.202		,	2 6	(3 1	- - -	200	0,0°			5.00		Ē	0, 4	8,930	4,829
1.500	E .	07.1	0.73	Z.33	100000	э (212,	212,	E 3	1.20	3,75	2.55	Tobacco	0	1,212	1,212
13.00 Beans 15.00 Peanus 15.00	Dobacco	0.60	2.00	1.40	Vegatables	0	1888	1,886	Tobacco	0.60	2.00	1.40	Vegetables	o	1,686	1,886
1.50 Peanuts 435 0 486 Beans 1.50 Peanuts 5.00 Peanuts 0.70 Peanuts 0.714 Peanuts 0.70 Peanuts 0.714 Peanuts 0.70 Peanuts 0.714 Pe	Vegetables		13.00		Beans	c	2,432	2,432	Vegetables		13.00		Beans	0	1 699	1,699
0.70 Sweet potatoes 0 0 0 Peanuts 0.70 5.00 Total 5,411 17,415 12,004 Sweet potatioes 5,00 38.00 Sugar cane 39.00 3,800 2,700 2,700 2,700 2,700 2,700 Com 2,704 4,167 4,167 4,167 4,167 8,300 5,300 3,700 3,700 Vogatables 0 9,658 9,658 9,658 9,658 9,658 8,700 2,700 2,700 3,700 Vogatables 0 14,167 4,167 4,167 Beans 5,300 5,300 5,700<	Beans		٠. گز		Peanuts	435	0	-435	Beans		3.5		Peanuts	4 8	C	435
5.00 Sweet potatoes 5.00 Sweet potatoes 5.00 39.00 Total 5,411 17,415 12,004 Sugar cane 39.00 3.800 3.800 Paddy 1,215 6,070 4,855 Paddy 2,700 2,700 2,700 2,700 Tobacco 0 7,114 7,114 7,114 1,215 8.60 2,700 2,700 Tobacco 0 7,114 7,114 7,114 1,100 18,100	Peanuts	0.70			Sweet potatoes	0	0	0	Peanuts	0.70			Sweet potatoes		o c	c
39.00 Total	Sweet potatoes	5.00			Sugar cane	0	0	0	Sweet cotatoes	200			Silver cons	o c	· c	0 0
3.800 3.800 Com 2,700 Com 2,700 2,700 Com 2,700 2,700 Com 2,700 Com 2,700 2,700 Com 2,700 Com 2,700 2,700 Com Com 2,700 Com 2,700 Com Com 2,700 Com Com 2,700 Com Com 2,700 Com Com 2,710 Com Com 2,710 Com Com 2,710 Com Com 2,710 Com Com Com 2,710 Com	Sugar cane	39.00			Total	5.411	17,415	12.004	Sucar capa	00 gg			Para Care	7 + + 4	16 6 70	11 250
3.800 3.700 3.700 <th< td=""><td></td><td>•</td><td></td><td></td><td>l i</td><td>· ·</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td>7 2</td><td>4.</td><td>0/0</td><td>1,538</td></th<>		•			l i	· ·				2			7 2	4.	0/0	1,538
3,800 Paddy 1,215 6,070 4,855 Paddy 3,800 3,800 2,700 <th< td=""><td>4. Unit Price (Peso/ton)</td><td></td><td></td><td></td><td>8. Net Production Ve</td><td>alue (1000 P</td><td>(sase)</td><td></td><td>4. Unit Price (Peso/ton)</td><td></td><td></td><td></td><td></td><td>due (1000 F</td><td>Pesosi</td><td></td></th<>	4. Unit Price (Peso/ton)				8. Net Production Ve	alue (1000 P	(sase)		4. Unit Price (Peso/ton)					due (1000 F	Pesosi	
2,700 Com 2,023 9,599 7,576 Corn 2,700 2,700 18,100 Tobacco 0 7,114 7,114 Tobacco 18,100 18,100 3,700 Yogetables 0 9,658 9,658 9,658 18,100 18,100 3,700 Boants 0 4,167 Beants 5,300 5,300 5,700 Sweet potatoes 0 0 0 5,300 5,700 300 Sweet potatoes 0 0 0 Sweet potatoes 900 900 300 Sugar cane 0 0 0 Sweet potatoes 900 900 300 Sugar cane 3,721 36,608 32,887 5, Unit Production Cost (Pesso/ha) 5, 640 2,140 5,650 2,190 9, Annual Incremental Bonefit Paddy-Wet season 3,500 5,640 2,140 6,130 (Pesso/ha) 2,658 26,149 23,491 Oxn 2,770 4,880 2,710	Paddy	3,800	3,800		Paddy	1,215	6,070	4,855	Paddy	3.800	3,800		Day to	10.75	5 702	4.487
18,100 Tobacco 7,114 7,110	E S	2,700	2,700		Som	2,023	9,599	7,576	Com	2,700	2,700		Som	2 0 2 3	004 0	7.576
3,700 Vegetables 3,700 3,700 3,700 5,300 Boans 0 4,167 4,167 4,167 4,167 4,167 4,167 Beans 5,300 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,710 300 300 300 300 300 300 300 300 300 300 300 300 5,640 2,140 5,640 2,140 5,640 2,140 5,640 2,140 4,880 2,710 4,880 2,710 4,880 2,710 4,880 2,710 4,880 2,710 2,710 2,7	Tobacco	18,100	18,100		Tobacco	0	7,114	7,114	Tobacco	18,100	18,100		Tohacon	2	7 5 1 4	7 1 1 4
5,300 Beans 6,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,300 5,000 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 5,710 <th< td=""><td>Vecetables</td><td>3,700</td><td>3,700</td><td></td><td>Vegetables</td><td>O</td><td>9,658</td><td>9,658</td><td>Vegetables</td><td>3,700</td><td>3,700</td><td></td><td>Vanetables</td><td>c</td><td>0.0</td><td>9</td></th<>	Vecetables	3,700	3,700		Vegetables	O	9,658	9,658	Vegetables	3,700	3,700		Vanetables	c	0.0	9
5,700 Poanuts 483 0 -483 Peanuts 5,700 5,710 5,	Baans	5,300	5,300		Beans	o	4,167	4,167	Beans	5,300	300		Boans	0 0	0.00	0,0
900 Sweet potatoes 0 0 Sweet potatoes 900 900 300 Sugar cane 0 0 0 300 300 702 3,721 36,608 32,887 5. Unit Production Cost (Peso/ha) 300 5,650 2,190 9 Annual Incremental Bonefit Paddy-Wet season 3,500 5,640 2,140 6,130 (Peso/ha) 2,658 26,149 23,491 Oxn 2,170 4,880 2,710	Peanuts	5,700	5,700		Peanuts	483	Ö	-483	Peanuts	5.700	5 700		D C C C C C C C C C C C C C C C C C C C	9 0	, 1	2. 2. 2. 4.
300 Sugar cane 0 0 0 0 0 30gar cane 300 300 300 300 300 300 300 300 300 30	Sweet potatoes	906	006		Sweet potatoes	0	O	0	Sweet ootstoos	000	000		Canon potenting	2 6) (3
5,650 2,190 9. Annual Incremental Bonefit 23,487 5. Unit Production Cost (Peso/ha) 5,640 2,140 6,130 5,140 Corn 2,710 4,880 2,710	Sucarcada	300	300		Sugar cane	0	0	0	Sugar cane	300	000		Sugar man	ос	oc	0 0
5. Unit Production Cost (Peso/ha) 5,640 2,140 8,130 Corn 2,170 4,880 2,710		i			Total	3 721	36.608	32.887		•	2		100	20.5	200 80	20.0
5,690 2,190 9. Annual Incremental Bonefit 28,149 23,491 Oxy season 3,500 5,640 2,140 6,130 6,130 Com 2,710 4,880 2,710	5. Unit Production Cost	/Peso/ha)			•	! !	· ·	1	5. Unit Production Cost	(Peso/ha)		-	B D	2/10	66. 40.	67,7
-Dry season 6,130 (Peso/ha) 2,658 26,149 23,491 -Dry season 6,130 (Peso/ha) 2,658 26,149 23,491 -Dry season 6,130 6,130	Paddy-Wet season	3,500	5,690	2,190	9. Annuai Increment	ai Benefit			Paddy-Wet season	3.500	5.640	2.140	9. Annuel Increments	Panefit		
2,170 4,880 2,710 4,880 2,710	-Dry season		6, 130		(Peso/ha)	2,658	26,149	23,491	-Dry season	•	6.130	i	(Peso/ha)	2 658	24,989	22.331
		2,170	4.880	2,710						2,170	4,880	2,710	7			

Irrigation Benefits of Lulutan Irrigation Project Table 6.11 (7)

	Project	Project	mental	NON.	Project	Project	mental	(LIGH)	Project	Project	nental	tean Tean	Without Project	Project	Incre-
1. Total Area (ha)				Торвосо	3,020	5,270	2,250	1. Total Area (ha)				Tobrans	000	, C	
Paddy field	2,410	2,410	0	Vecetables		7.860	1	Day Cook	47.0	2	c		3,020	0,2,0	422
Diversified cropland	540	540	0	Beans		2,930		Diversified cropland	1,40	1 1 1 1 1 1	.	Posts		7.880	
(Total)	2,950	2,950	0	Peanuts	1,890			(Total)	2,950	2,950	0	Peanuts	600	V.8	
				Sweet potatoes	2,900							Sweet potatoes	008.7		
Z Harvesied Area (ha)				Sugar cane	5,760			2. Harvested Area (ha)				Sugar Cana	2 7 80		
Paddy -Wet season	2,410	2,410	0		•			Paddy -Wet season	2,410	2.410	c		3		
-Dry season	O	2,410	2,410	6. Gross Production Value (1000 Per	Value (1000	Pesos)		-Dry season	0	2,410	2 410	6 Gross Production Walter (1000 Brees)	(a)to (1000	Contract Co	
(Total)	2,410	4,820	2,410	Paddy	20148	87,001	66.853		2410	4 820	2410	Daddin	201 S 61505	rescis)	Š
රිම	1,340	870	47	Š	3.618	8.809	191	Con	1 340	, a	1 4	i acci	200	86,338	55.75
Tobacco	09	1.10	SS.	Tobacco	652	3.982	3.330	Tobacco	2	7 6	1	Tohor:	0,0	# 00 0 00 0 00 0 00 0	5
Vegetables	6	100	001	Vacatables	; c	4 8 10	0 0	March V	3 9	2 6	3 5	000000	209	3,982	w w
Beens	· c	2 6 6	0000	Boart	> c	24,0	0.00	Seconder	o (001	001	Vegatables	0	4,810	4,
Dospuite	7	2	9 4	2000	•	000	000	Descris	5	2/0	2/0	Beans	0	2,147	2,
Supply potentials	-	o c	20	Security Co.	4 9	.	9 4	Peanuts	011	0	-110	Pegnuts	439	o	433
cases porarioes	> () ()	Sweet positions	5 +	0	o	Sweet potatoes	0	0	0	Sweet potatoes	0	0	
Sugar care	0	0	٥	Sugar cane	٥	٥	Ö	Sugar cane	0	0	0	Sugar care	O	c	
illo O	3,920	8,580	4,660	Total	24857	125,908	101,051	Total	3,920	6,170	2,250	[GES]	24857	103,086	78,229
3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	ost (1000 P	esosi		3 Unit Yield (too/ha)				C Scoops to a Constitution of Section 7	1 00000	1	
Pacity-Wat coason	0000	12	2 20	- though	2670	30 / 00	100.00	Design (September 1997)	0	,	;	/. Total Production C	PSE (SUMPLY	escs)	
Day sooson	i	3 6	2	, and	2 0	0010	100,00	Faccy-veet season	2.20	4.10	1.30	raoo.	8,435	28,366	19,931
	,	3 1	1	3	674,7	47.4	1,84	vosaes Avo-		2.00		S	2,425	4,246	1,821
ES A	00.1	6,5	2.73	lobacco	9	280	399	5	9.0	3.75	2.75	Tobacco	181	580	ຕ
opaco	0.60	5.00	1.40	Vegetables	0	786	786	Tobacco	0.60	2.00	04.1	Vegetables	0	786	82
Vegetables		13.00		Beens	0	7,852	7,852	Vegetables		13.00		. 80 80 80 80 80 80 80 80 80 80 80 80 80 8	·c	707	
Beans		55		Peanuts	208	0	-208	Beens		5		Dozenit.	0 00	5	. C
Peanuts	0.70			Sweet potatoes	0	c	0	Studence	0.70	3		Caront partners	007)	ų
Sweet potatoes	200			Store Cane	· c	·		Suport nombos	2 6			Sweet Doletons	5 (9	
Sign	30.00			Tetal	24044	* 4 050	200	Carried Carried	200			Sugar cane	c	٥	
order care	00.65	٠		100 0	11249	41 950	30,703	Sugar cane	80° .			Total	11249	34,769	23,520
4. Unit Price (Peso/ton)				8. Net Production Value (1000 Pesos)	lue (1000 F	(sose,		4. Unit Price (Peso/ton)				8. Net Production Value (1000 Pesos)	ue (1000 F	(sose)	
Pacety	3,800	3,800		Paddy	11713	58,515	46,802	Paddy	3,800	3.800		Paddy	11713	54 973	42.250
Con	2,700	2,700		8	1,193	4,563	3,370	i S	2.700	2 700		8	0	1000	2 0
Tobacco	18,100	18,100		Tobacco	471	3,402	2.931	Tobacco	18 100	ξ α.		Tohom		200	200
Venetables	3 700	700		Managariae	c	4	¥60 V	Venezable	200	9 6			*	205'5	Ž,
2000		2 6		course of	•	100	7	Vegelaides	2	3		Vegetables	0	4,024	4
Deans	2000	2,300		Seens	0	13,454	13,4%	Beans	5,300	5,300		Beans	o	1,356	1356
Peanuts	5,700	5,700		Peanuts	231	0	234	Peanuts	5,700	5,700		Peanuts	22.4	C	22.5
Sweet potatoes	900	900		Sweet potatoes	ò	0	0	Sweet potatoes	300	006		Sweet notation	,	c	•
Sucar cane	300	300		Sugar cane	c	c	c	Sissipar	300	000		Colors and		•	
,				Lotes	13608	83 958	70.350		3	3		Cura Cara	2000	2 1000	
5. Unit Production Cost (Pesofia)	(Peso/ha)				}	2		5. Unit Production Cost (Peso/ha)	(Pasculha)			3	2002	68,317	3
Parkhy-Wet season	3 500	5.893	2 190	9 Annual Incremental Benefit	- Bonofit	-		Podry, Mot cocon	0000	4	. C	- A	i C		
- Dry concorn	20,10	200	3	(Docotha)	A 513	39 400	730 667	and the season	200	3 6	7	s. Annual incremental Benefit	H Henemit	;	
(i)		200	44.0	(1 03CHB)	2	40'to	1000	Compare Ann	•	2	•	(resorna)	5,6/3	23,158	18,545
										2	4				

Irrigation Benefits of Itagan Irrigation Project Table 6.11 (8)

ien 	Project	Project	menta!	mean	Project	With Project	Incre-	Rem	Project	Project	incre- mental	TEXT!	Without Project	Project	Hentel
1. Total Area (ha)	٠			Tobacco	3,020	5,270	2,250	1. Total Area (ha)				Tobecco	3,020	5,270	2,250
Paddy field	200	200	0	Vegetables		7,860		Paddy field	200	2002	0	Vegetables		7,860	
Diversified cropland	3,000	3,000	0	Beans		2,930		Diversified cropland	3,000	3,000	0	Beans		2,930	
(Total)	3,200	3,200	0	Peanuts	1.890			(Total)	3,200	3,200	0	Peanuts	1,890		
-				Sweet potatoes	2,900							Sweet potatoes	2,900		
2. Harvested Area (ha)				Sugar cane	5,760			2. Harvested Area (ha)				Sugar cane	5,760		
Paddy -Wet season	200	200	0	. 1				Paddy -Wet season	200	200	0				
-Dry season	٥	200 200	200	Gross Production Value (1000 Persos)	Value (1000)	Pesos)		-Dry season	0	200	200	6. Gross Production Value (1000 Pesos)	Value (1000	Pesos)	
(Total)	200	6 6	200	Paddy	1,748	7,220	5,472	(Total)	200	400	200	Pacdy	1,748	6,916	5,168
Sa	4,840	4,800	4	Š	11,761	48,600	36,839	Com	4,840	4,800	4	Ş	11,761	48,600	36,839
Tobacco	800	8	300	Tobacco	3,258	21,720	18,462	Tobacco	300	900	300	Tobacco	3,258	21,720	18,462
Vegetables	o	600	9	Vegetables	Ö	28,860	28,860	Vegerabies	o,	900	009	Vegetables	0	28,360	28,860
Beans	0	1,700	1,700	Beans	0	13,515	13,515	Beans	0	1,500	1,500	Beans	O	11,925	11,925
Peanuts	900	0	009-	Peanuts	2,394	O	-2,394	Peanuts	909	0	-600	Peanuts	2,394	0	2.394
Sweet potatoes	80	0	09-	Sweet potatoes	270	0	-270	Sweet potations	8	0	9	Sweet potatoes	270	0	-270
Sugar cane	0	0	0	Sugar cane	O	0	0	Sugar cana	0	0	0	Sugar cane	0	0	0
Total	6,000	8,100	2,100	Total	19,431	119,915	100,484	Total	6,000	7,900	1,900	Total	19,431	118,021	98,590
3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(sose		3. Unit Yield (tor/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(\$0\$e	
Packy-Wet season	2.30	4.50	2.20	Pactor	732	2,364	1.632	Paddy-Wet season	2.30	4.10	1.80	Paddy	732	2354	1,622
-Dry season	i	5,00) w	7.889	23,424	15,535	-Cry season	ì	5.00 100 100 100 100 100 100 100 100 100	3	8	7.889	23.424	5,53
	0.90	3,75	2.85	Tobacco	906	3.162	2.256	E	08.0	3.75	2.85	Tobacco	908	3 162	35.0
Tobacco	0.60	2.00	1.40	Vecetables	0	4,716	4.716	Tobacco	0.50	5.00	1.40	Vedetables	0	4.718	4.715
Vanotables		13.00		Page	-	4 981	4 981	Vacatables	:	5		Deptis	ς.	300	A 205
Reans		1.50		Peanuts	1 134	0	1 134	Poars		5.50		Peanific	13.0) C	134
2000	7.0	:		Curiotatach				Dogwin	6	}		Contract of the Contract of th	,	•	2
reamins Suite estates	, c			Chapter policipus	<u> </u>	0 0	<u> </u>	restruction of the state of the	5 0			Sweet polations		> 0	* *
Sweet potations	9			Sugar Carre		3	7	SWEET DOMESTORS	3			Sugar Cane	5	Э	٥
Sugar cane	39.00			Total	10,835	38,647	27,812	Sugar cane	39.00			Total	10,835	38.051	27,216
4. Unit Price (Peso/ton)				8. Net Production Value (1000	falue (1000 F	Pesos)		4. Unit Price (Peso/ton)				8, Net Production Value (1000		Pesos)	
Paddy	3,800	3,800		Paddy	1,016	4,856	3,840	Paddy	3,800	3,800		Paddy	1,016	4,562	3,546
8	2,700	2,700		Som	3,872	25,176	21,304	Coa	2,700	2,700		S	3,872	25,176	21,304
Tobacco	18,100	18,100		Tobacco	2,352	18,558	16,206	Tobacco	18,100	18,100		Tobacco	2,352	18,558	16,206
Vegetables	3,700	3,700		Vegetables	0	24,144	24,144	Vegetables	3,700	3,700		Vegetables	0	24, 144	24,144
Beans	5,300	5,300		Beans	0	8,534	8,534	Beans	5,300	5,300		Seans	0	7,530	7,530
Pegnuts	5,700	5,700		Peanuts	1,260	0	-1,260	Peanuts	5,700	5,700		Peanuts	1,260	0	1.260
Sweet potatoes	900	900		Sweet potatoes	96	O	96-	Sweet potatoes	900	900		Sweet potatoes	96	0	96
Sugar cane	300	300		Sugar cane	0	0	0	Suger cane	300	300		Sugar cane	0	0	0
!				Total	965,8	81,268	72,672					Total	8,596	79,970	71,374
5. Unit Production Cost (Pesolna)	Pesovna)	000	0000		63 C C C C C C C C C C C C C C C C C C C			5. Unit Production Cost (Peso/ha)	(Peso/ha)	0.0	9	Should be seen a second become a con-	0.00		
Paccy-wet season	000	9,630	2000	9. August (Doep (ba)	2 526	25 306	02 740	Tacopy 1991 Season	2,000	0,040	3	9. Amoust including	al Delieut	24 001	30.500
1.00 March 1.00	060.	000	2 250	(Lesoula)	2,000	20,230	25,710	Com	1 695	000	030 0	(1880)	2,000	00,1	200
Ę		3	200					3	2	300	200				

Imgation Benefits of Gappal Imgation Project Table 6,11 (9)

1															
LL REED	Project	Project	incre- mentai	liem Team	Without Project	With	Incre-	medi	Without	With	Incre-	Item	Without	With	lucre
									riolect	Project	mentai		Project	Project	mental
1. (otal Area (ha)	6	•		Tobacco	3,020	5,270	2,250	1. Total Area (ha)				Tokoga	0	1	•
Page neig	008.8	3,300	0	Vegetables		7.860		Daddy fold	2000	000	•		020,0	5,470	2,250
Diversified cropland	1,100	1,100	0	Beans		2.930		Diversify contrad	9 6	0000	> (vegetables		7,860	
(Pop)	4 400	4,400	0	Peanuts	1 890					30[-	0	Heans		2,930	
				Sweet potatoes	2 900			(190)	4,400	4,400	0	Peanuts	1,890		
Harvested Area (ha)				Sugar cana	760							Sweet potatoes	2,900		
Paddy -Wei season	3,300	3 300	c		2			Z. Harvested Area (ha)				Sugar cane	5,760		
-Dry season	C	3300	300	Total Control of	00000	ć		Paddy -Wet season	3,300	3,300	0				
STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N	0000	200,0	300	o. Gross Production Value (1000 Pe	varue (1000	7850S)		-Dry season	0	3,300	3,300	6. Gross Production Value (4000 Bases)	Value (1000)	Dococh	
	200	000	0000	raody	27,588	119,130	91,542	(Logal)	3,300	6 600	3 300		27.500	, comp.	0
E S	2,420	1,760	-66C	8	5,881	17,820	11.939	980	2 4 50	7 0 0	000	r andy	20,72	114,114	85,526
Ocecco	110	220	110	Tobecoo	1.195	7.964	6.769	Tobacco	1	200	9 :	5	200	7,820	11,939
Vegetables	o	220	220	Vegetables	o	10.582	10 583	Mosco	2 <	720	2 (000000	1,195	7,964	6,769
Beans	0	3.850	3,850	Reens		90906	900,00	SACRE SA	.	220	220	Vegetables	0	10,582	10,582
Peanuts	000		000	2000	9	0000	20,00	Seens	0	220	550	Seans	0	4.373	4.373
Swoot potatoon	,		97	200	2 ·	O	878	Peanuts	220	O	-220	Peanuts	878	c	070
CWest Polatoes) (.	0	Sweet potatoes	0	o	0	Sweet potatoes	0	C	C	Sweet notations) c	> 0	ò
Sugar Care	2	5	٥	Sugar cane	0	0	0	Sugar cana	C	c	C	Sugar Cano	o (> (
ឆ្ន	6,050	12,650	6,600	100	35,542	186,104	150,562	Total	6.050	0 350	908	70mg	25.540	0.00	
)) !	2	20,10	3	V+0.00	26,00	118,811
S. Omit field (Torvina)	,			7. Total Production Cost (1000 Pesos)	Sost (1000 F	(\$0\$0,		3. Unit Yield (ton/ha)				7 Total Displaying Control and Control	0 000+7 +00,		
Paddy-Wet season	2.20	8 8	2.30	Paddy	11,550	39,006	27,456	Paddy-Wei season	000	4 10	6	7. Total resolution of	2007	(SOS)	i
-Cry season		2.00		8	3,945	8.589	4.644	Constant of the constant of th	1	e c	200	r addy	000,1	35,847	27,291
Sa	0.90	3.75	2.85	Tobacco	E 60	150	100	Company (in)	Ç	0 0	•	Š.	3,945	8,589	4,644
Tobacco	0.50	200	1.40	Venerables	,	4 7 20	720	200	200	G. (3	2.85	opacco	335	1,159	823
Vecetables		13 00		Boane	, ,	100	200	808701	0.90	2.00	7.4C	Vegetables		1,729	1,725
Boans		2 4		2000	.	19711	192,01	Vegetables		13,00		Beans	¢	1,612	1,612
	í	96.		rearces	416	0	4 16	Beans		55.5		Peanuts	416		1 4
T Bed fulls	3 (Secretor sews	0	0	0	Peanuts	0.70			Sweet containes		· c	
Sweet potatoes	0.0			Sugar cane	c	0	0	Sweet potatoes	5.00			Signal Carlo	òc	o c	
Sugar cane	39.00			EGO.	16,243	61,764	45,521	Sugar cane	39.00			Total	16 242	21,030	25 507
· · · · · · · · · · · · · · · · · · ·													etain.	200	00.00
4. Unit Price (Peso/ton)				8. Net Production Value (1000 Pesos)	lue (1000 F	(sose,		4. Unit Price (Peso/ton)				8 Nat Production Value (1000 December	7,000	10000	
Paddy	3,800	3,800		Packly	16,038	80,124	64,086	Paddy	3 800	000			1 000 of	4500)	
EOO	2,700	2,700		S	1,936	9,231	7.295	S	200	200,0		()	9 6	5,2,5	39,235
Tobacco	18 100	18,100		Tobacco	863	6.805	5 942	Tobacco	9 6	2 0		3 H	000	6,43	67.7
Vegetables	3 700	3:700		Vecetables	C	a a a a	0,0	Vereth	200	0, 100	•	ODESCO	863	6,805	5,94
Beans	5 300	5 300		Poane	c	1000	2,000	A CONTRACTOR	00/5	2,700		Vegetables	0	8,853	8,85
Pasmite	2700	700		1 2000		700,0	720'81		5,300	5,300		Beans	0	2,761	2,76
Supplementary of the supplemen		3 8		STOP C	704	.	-462	Peanuts	5,700	5,700		Peanuts	462	C	462
OWEN POIGINES	0 0	200		Section 188MS	0	0	0	Sweet potatoes	006	900		Sweet potatoes	c	С	
Segar Care	200	200	:	Sugar cane	O	0	0	Sugar cane	300	300		Sugar cana	· c	, c	· C
				oto Eto	19,299	124,340	105,041					Total	19.299	102 923	82 624
 Unit Production Cost (Pesona) 	Pesoma)							5. Unit Production Cost (Peso/ha)	(Peso/ha)		:	:	2	2	3
Paddy-Wet season	3,500	5,690	2,190	9. Annual Incremental Benefit	al Benefit	٠		Paddy-Wet season	3.500	5.640	2,140	9 Applied forcemental Reposit	al Ronofit		
-Dry season		6,130		(Peso/ha)	4,386	28,259	23,873	-Dry season	1	6.130	1	(Decolor)	110000	000	ò
8	1,630	4,880	3,250					Corn	1,630	880	07.0	(מאווים)	500	785,03	200,81

Table 6.11 (10) irrigation Benefits of Dummun River Irrigation System

1
⋖,
Pattern
Cropping
-Proposed

læm	Without Project	With Project	Incre- mentai	mai	Without Project	With Project	Incre- mental	llem	Without Project	With	incre- mental	megi	Without Project Pr	With	Incre- menta ⁽
										1			1		
1. Total Paddy Field (ha)	2,070	2,070	٥	6. Gross Production Value (1000 Pesos)	tion Value	(1000 Peso	ŝ	1. Total Paddy Field (ha)	a) 2.070	0.070	c	6. Gross Production Value (1000 Pesos)	on Value (10)	00 Pesos)	
				Paddy -Irrigated -Rainfed	19,019	74,727	55,708	•			Ì	Paddy - Imigated	19,019 71	71,581	52,562
2. Harvested Area (ha)				Beans	0 1728	16,457	16,457	2. Harvested Area (ha)				5			
Paddy-Irrigated (Wet)	870		1,200	5	599	0	220	Paddy-Irrigated (Wet)	870	2,070	1,200	Peanuts	599	5 Ø	589, -589
(YO) Habited (Way)	0,70	2,070	7,600	Total	32,290	91,184	58,894	(AQ)	•	2,070	1,600	Toʻa	32,290 71	71,581	39,291
(A)	0		2,070		. •			Beans (wei)	-	, o c	20 C				٠
Som	640		-640	7. Total Production Cost (1000 Pesos)	on Cost (10	300 Pesos)		Com	640		-640	7, Total Production Cost (1000 Pesos)	n Cost (1000	Pesos	
Peanuts	150	0	150					Peanuls	150	်ဝ	-150			/22.22.	
	-			Paddy -Irrigated -Rainfed	6,940 4,584	24,467 0	17,527					Paddy -Imgated	6,940 24		17,424
3. Unit Yield (ton/ha)				S	0	6,065	6,065	3. Unit Yield (ton/ha)				Beans	t 00, 4 0	ာ်ဝ	4. 4. 0. 0.
				Com	1,158	O	-1,158					Corn	1.158	0	-1.158
Paddy-Imgated (Wet)	3.70	4.50		Peanuts	284	0	-284	Paddy-Irrigated (Wet)	3.70	4.10		Peanuts	284	0	-284
(DA)	9.80 80 80	5.00		Total	12,966	30,532	17,566	(VQ) Folica	3.80	5.00		Total		24,364	11,398
Beans) i	1.50		٠				Beans Carried (week)	7.40						
Coa	1.00			8. Net Production Value (1		000 Pesos)		EOO	1.00			8 Net Production Value (1000 Besos)	Value (1000	Poenel	
Peanuts	0.70					•		Peanuts	0.70			contract of the second of	ange / soos	/2	
				Paddy -Irrigated	12,079	50,260	38,181					Paddy -Imgated			35,138
					005,0	0 0	0 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	!				-Rainfed	6,360		-6,360
4. Unit Price (Peso/ton)				Beans) C	10,392	10,392	4. Unit Price (Peso/ton)				Beans	0	0	Ó
i i	008	S S S		Colli	2 4		-5/C-			;		Corn	570	ο.	-570
, and a second	000) (Teamula	200		010	r accep	3,800	3,800	3		١		-315
Con Se	2,700	2,500		3	19,664	200,00	41,328	Com	5,300 207	8,300 200 200		Total	19,324 47	47.217	27,893
Peanuts	5,700	5,700				٠		Peanuts	5,700	5.700					
				9. Annual Incremental Benefit	rental Bene	¥						9. Applied incremental Benefit	ontal Ronofit		
				(Peso/ha)	9,335	29,300	19,965		-			(Peso/ha)	9,335 22	810	13,475
5. Unit Production Cost (Peso/ha)	Peso/ha}							5. Unit Production Cost (Peso/ha)	(Peso/na)						
Paddy-Imgated (Wet) (Dry)	5,130 5,270	5,690 6,130	560 860					Paddy-Irrigated (Wet) (Dvy)	5,130	5,640	510 860				
-Rainfed (Wet) Boans	3,820	2,930						-Rainled (Wet) Beans	3,820						
Con	0.840							Com	1,810						
regions	000					***************************************		reanus	1,890						

Table 6.11 (11) Irrigation Benefits of Baggao Irrigation System

6. Gross Production Value (1000 Peaces) 6. Gross Production Value (1000 Peaces) 7. Total Paddy-Ingaled (1862											ı					
1, 10 2 2 2 2 2 2 2 2 2	mert			incre- mental	mai	Without Project	With Project	Incre- mentał	tem V	1	•	incre- ventai	hem	Without Project	With Project	incre- mental
1,102 1,102 1,102 1,102 1,103 1,10				!					:							
Paddy-Infigated 21 603 64 26 15 4 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1. Total Paddy Field (ha		1832	0	6. Gross Produc		(1000 Pesos	€.	1. Total Paddy Field (ha)	1,812	1,812	0	6. Gross Product	ion Value (1000 Pesos	
Second Part	į				Paddy -Irrigated -Rainfed		64,216	42,613					Paddy -Imigated -Rainfed	21,603	62,659 0	41,056
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	2. Harvested Area (ha)					0		14,405	2. Harvested Area (ha)				Beans	0	0	0
1		. :		,	E O	564		-564	Double formation Addon.	0	,	5	Corn	100 t	00	400 £
1.80 1.80	Paddy-Imigated (Wet)	800 870	1,742	942 240	Fearuts	30 543		48 078	raccy-ingaled (Wei)	870	1,012	942	Total	30.543	62,659	32,116
1.0 1.512	-Rainfed (Wet)	940		9.040]			<u>.</u>	•	940		-940				
150 0 - 150 7. Total Production Cost (1000 Pessos) Peanus 150 0 - 170 7. Total Production Cost (1000 Pessos) 150 0 - 40		0	1,812	1,812					Beans	0		1,446				
40 0 40 Paddy-Irrigated 7,884 21,020 13,136 Paddy-Irrigated 7,884 21,020 13,136 Paddy-Irrigated 3,440 0 3,440 Com Spans 2,440 0 3,440 Com Spans 2,440 Com Span	Cod	190	0	-190	7. Total Product	tion Cost (1-	000 Pesos)		Som	190		4.46 6.46	7. Total Producti	on Cost (1	000 Pesos)	
3.30 4.50 Padroy-Inglated (1.40 1.17 2.130 1.10 Padroy-Inglated (1.40 1.17 Padroy-Inglated (1.17 Padroy-Ing	Peanuts	6	0	40	A 144 - 5 - 5 - 5 - 5		3	9	reanus	Ş	>	9	المرتجمية المراجعة	ναα α	702 10	13 443
Sears					Paddy -Irrigated			0,1,00					raccy - ingated	3.00	, , , , , , , , , , , , , , , , , , ,	3 440
3.50 4.50 Com 378 0 -378 Com 278 Dearwing a com 378 Dearwing a com 378 Dearwing a com 378 Dearwing a com 278 Dearwing a com 278 Dearwing a com 270 Dearwing a com	(A 11-12 V. 11-12 V				•			0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	3. Unit Yield (ton/ha)	٠			_	0	0	0
3.30 4.50 Peanuts 76 0 776 Peanuts 76 0 0 776 Peanuts 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	d. Unii Yiera (Iorwia)				500	378		-378					Corn	378	٥	-378
2.30 2.30 2.30 2.30 2.30 2.30 2.30 2.30	Docks Impactor (Mot)	200	4 50		Peanuts	2/9		-76	Paddy-Imgated (Wet)	3.30	4.10		Peanuts	76	0	-76
Painfed (Wei) 2.30 1.10 1.10 1.10 1.10 1.10 9. Net Production Value (1000 Pesos) 0.70 Paddy-Inrigated 13,719 43,196 0.450 1.10 Paddy-Inrigated 13,719 41,332 27 Padd	Cardy illigated (very	, c	e e		Total	11 778	1	14.551		3.50	5.00		Total	11,778	21,327	9,549
1.50 S. Net Production Value (1000 Pesos) Deans 1.10 S. Net Production Value (1000 Pesos) Deans 1.10 O.70 Paddy-Irrigated 13,719 41,332 Z7 Paddy-Irrigated 13,719 A1,332 Z7 Paddy-Irrigated 14,322 Z7 Paddy	Bainfed (Wet)	30)		1				-Rainfed	2.30						
1.10 s. Net Production Value (1000 Pesos) 0.70 Paddy-Irrigated (13719 43,196 29,477 Paddy-Irrigated 13,719 43,196 29,477 Paddy-Irrigated 13,719 43,196 29,477 Paddy-Irrigated 13,719 41,332 27 Paddy-Irrigate		ì	1.50						Beans						1	
0.70 Paddy-Irrigated 13,719 43,196 29,477 Peanuts 0.70 Paddy-Irrigated 13,719 41,332 27 -Ranked 4,776 0 -4,776	S	4.1			8. Net Production		000 Pesos)		COO.				8. Net Productio	n Value (10	000 Pesos)	
Paddy-Irrigated 13,719 43,196 29,477 Paddy-Irrigated 13,719 43,196 29,477 Paddy-Irrigated 13,719 43,196 29,477 Paddy-Irrigated 13,719 43,196 29,477 Paddy-Irrigated 13,719 41,332 27 Paddy-Irrigated 14,706 5,700 5,700 5,700 Paddy-Irrigated 14,500 5,300 Peanuts Paddy-Irrigated (Wet) 4,580 5,640 1,060 Paddy-Irrigated (Wet) 4,580 5,640 1,060 Pagnuts Paddy-Irrigated (Wet) 4,580 5,640 1,060 Pagnuts Paddy-Irrigated (Wet) 4,580 5,640 1,060 Pagnuts Pagnuts Paddy-Irrigated (Wet) 4,580 5,640 1,060 Pagnuts Pagnu	Peanuts	0.70							Peanuts	0.70					;	
Pack				٠	Paddy -Irrigated	•	43,196	29,477					Paddy - Imigated	Ψ.	41,332	27,613
Beans					-Rainfed		0	-4,776	!					4 776	o (4 / f
Second 186 0 -185	4. Unit Price (Peso/ton)				Beans	Ö	960'6	960'6	4. Unit Price (Peso/ton)				Beans	D 9	Φ (O 9
3.800 Peanuts 84 0 -84 Padoy 5,500 5,300 Total 18,765 52,292 33,527 Beans 5,300 5,300 Total 18,765 41,332 5,700 5,					E S	186	٥,	-136	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ć	0		Corn	900) c	8 %
5,300 Total 18,765 52,292 33,527 Beans 5,300 5,700 2,700 5,7	Paddy	3,800	3,800		Peanuts	84	o	4	raddy	000	000		regions	1000	000	22 557
2,700 5,700 5,700 9, Annual Incremental Benefit (Peso/ha) 10,356 22,810 5,690 1,110 6,130 1,280 2,930 2,930 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 9, Annual Incremental Benefit (Peso/ha) 10,356 22,810 Feanuts 1,990 Com 1,990 Peanuts 1,990 Peanuts 1,990	Beans	5,300	5,300		Tora	18,765	52,292	33,527	bearts	000	200		3	0/10	3001	3
5,700 9, Annual Incremental Benefit (Peso/ha) 10,356 22,810 5,000 1,110 6,130 1,280 2,930 2,930 9, Annual Incremental Benefit (Peso/ha) 10,356 22,810 9, Annual Incremental Benefit (Peso/ha) 10,356 22,810 (Peso/ha) 10,356 22,810 8 Annual Incremental Benefit (Peso/ha) 10,356 22,810 (Peso/ha) 10,356 22,810 Paddy-Inrigated (Wet) 4,580 5,640 1,060 (Dry) 4,850 6,130 1,280 Painted (Wet) 3,660 (Dry) 4,850 6,130 1,280 Painted (Wet) 3,660 Peants 1,990 Peants 1,890	Com	2,700	2,700							20,70	2 6					
5, Annual incrementation better a control of Pesochal (Pesochal) 10,356 22,810 (S,690 1,110 (D,7) 4,850 6,130 1,280 (D,7) 4,850 6,130 1,280 (D,7) 4,850 6,130 1,280 (D,7) 4,850 (D,7)	Peanuts	5,700	5,700		1	: O			regnus	0,'0	2		9 Annual Incret	nental Ren	efft	
5. Unit Production Cost (Peso/ha) 5. Unit Production Cost (Peso/ha) 6,130 1,280 (Wet) 4,580 5,640 6,130 (Beans 1,990 Com 1,990 Peanuts 1,990					e, Annoai Indie (Peso/ha)	10.356	28.859	18,503	:				(Peso/ha)	10,356	22,810	12,454
Y-Imgated (Wet) 4,580 5,690 1,110 Paddy-Imgated (Wet) 4,580 5,640 (Dx) 4,850 6,130 (Dx) 4,850 6,130 Flainfed (Wet) 3,660 Flainfed (Wet)	5. Unit Production Cost	(Peso/ha)	_			1			5. Unit Production Cost	(Peso/ha)	: .	-				
Y-Imgaled (Wet) 4,580 5,590 1,110 (Dx) 4,850 6,130 (Dx) 4,850 6,130 (Dx) 4,850 6,130 1,280		7		1					Darby-Irrinated (Wet)	4.580	5 640	1 060				
-Rainfed (Wet) 3,660 2,930 Beans Com Com 1,990 Peanuts	Paddy-/mgaled (Wet)								(Dy)		6,130	1,280				
S 1,990 Com Com Peans Lise Com Lise Com Peanus Lise Com L	-Rainfed (Wet)															
1,990 Com 1,890 Peanuts			2,930						Beans	;						
1.890 Peanuts	E C	1.990						٠	ES	1,990						
	Deamile	1,890							Peanuts	1.890						

Table 6.11 (12) Irrigation Benefits of Solana Irrigation System

llem	Without	With	incre-	lem	Without	With	Incre-	len			Incre-	item	Without	With	more
	t	ı				12501			139611	29	i de		170	r rolect	menta
1. Total Paddy Field (ha)	2,829	2,829	0	6. Gross Production Value	tion Value	(1000 Pesos)	ŝ	1. Total Paddy Field (ha)	2.829	2.829	Ó	6. Gross Production Value (1000 Pesos)	ion Value ((1000 Pesos	
				Paddy -Irrigated -Ranfed	13,429	102,127	88,69 8 -17,807					Paddy -imgated	13,429	97,827	84,398
2. Harvested Area (ha)				(A)	0	22,49	22,491	2. Harvested Area (ha)				· w	30	00	0
Paddy-Imgated (Wet)	445	2,829	2,384	Com Peanuts	868 368	o o	588, 688,	Paddy-Imigated (Wet)			2,384	Corn Peanuts	1,390 0,000 0,000	00	-1,393
8	695		2,134	10 10 10 10	33,028	124,618	91,590	ê			2,134	Total	33,028	97,827	64,799
-Hained (Wet)	2,130 0,00	0 800	-2,130 2,829					-Ranked (Wet)	2,130	o c	-2,130				
Co	430		430	7. Total Production Cost (1		000 Pesos)		Som	430	0	-430	7. Total Production Cost (1000 Pesos)	St Cost (1)	300 Pesos)	
Peanuts	100	0	8			•		Peanuts	100	0	-100			<i>'</i>	
				Paddy -Irrigated - Ramson	4,902	33,439	28,537					Paddy -Imgated	4,902	33,297	28,395
3. Unit Yield (ton/ha)				Beans	} O	8,289	8,289	3. Unit Yield (ton/ha)				Beans	, 0,0	0 0	0 0 0
				Sea.	933	0	-933	•				Corn	933	0	6.93
Paddy-Imgated (Wet)	3.10	4.50		Peanuts	189	0	-189	Paddy-Irrigated (Wet)	3.10	4.10		Peanuts	189	0	-189
(<u>G</u>	3.10	5.00		Total	13,479	41,728	28,249	(A)	3.10	5.00		F&O_	13,479	33,297	19,818
-Rainfed (Wet)	2.20	;							2.20						
Beans	:	다. 다.				:		Beans						÷	
Eo C	8.5			8. Net Production Value (1000 Pesos)	n Value (1)	000 Pesos)		e Cou	1.20			8. Net Production Value (1000 Pesos)	t Value (10	000 Pesos)	
Peanuts	0.70				1		;	Peanuts	0.70						
				Paddy -irngaled	8,527	68,688	50,151 -10,352					Paddy -imgated	8,527	64,530	56,003
4. Unit Price (Peso/ton)				Beans	0	14,202	14,202	4. Unit Price (Peso/ton)				Bears Bears	205,01	5 C	200°01-
•				Com	460	0	-460					Corn	480	0	-460
Paddy		3,800		Peanuts	210	0	-210	Paddy	3,800	3,800		Peanuts	210	0	2,5
Beans		5,300		Total	19,549	82,890	63,341	Beans	5,300	5,300		Togal	19,549	64,530	44,981
Con	2,700	2,700						E O	2,700	2,700					
Peanuts		5,700		•		į		Peanuts	5,700	5,700					
				9. Annual incremental Benefit	oental Ben	มูเล	1					9. Annual Incremental Benefit	ental Bene	ift	
				(Peso/ha)	6,910	29,300	22,390	,				(Peso/ha)	6,910	22,810	15,900
5. Unit Production Cost (Peso/ha)	Peso/na)							5. Unit Production Cost (Peso/ha)	(Peso/ha)						
Paddy-Irrigated (Wet)		5,690	1,390					Paddy-Irrigated (Wet)	4,300	5,640	1,340				
&		6,130	1,830					(D)	4,300	6,130	1,830				
(hew) peruieu-	0000	0000			-			Hamed (well)	3,500						
aces to	0 4 7 0	200,3						o e e e	7						
Peacuts	1 890							Peanuts	1 890						

Table 6.11 (13) Irrigation Benefits of Pinacanauan River Irrigation System

-Proposed Cropping Pattern A -

1. Total Paddy Field (ha) 2. Harvested Area (ha) Paddy-Irrigated (Wet) 3. Unit Yield (ton/ha) Paddy-Imigated (Wet) 3. Unit Price (Pesorton) Paddy-Irrigated (Wet) 3.800 3.800 4. Unit Price (Pesorton) Paddy-Irrigated (Wet) 5. Unit Production Cost (Pesorha) 5. Unit Production Cost (Pesorha) Paddy-Irrigated (Wet) 5. Unit Production Cost (Pesorha) Paddy-Irrigated (Wet) 5. Unit Production Wet) 5. Unit Production Cost (Pesorha) Paddy-Irrigated (Wet) 5. Unit Production Cost (Pesorha)	_									
3.20 1,200 2,200 2,200 2,300 2,700 5	al	Project Project	nental		Project R	Project n	mental		Project Project	menta
a) 1,200 1,200 270 1,200 260 1,200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										
270 1,200 260 1,200 930 0 1,200 1,200 1,200 1,200 2,30 5,00 2,30 1,50 1,20 0,70 2,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700	Gross Production Value	ion Value (1000 Pesos)	(505)	1. Total Paddy Field (ha)	1,200	1,200	0	6. Gross Production Value (1000 Pesos)	in Value (1000 Pe	(so:
270 1,200 260 1,200 930 0 190 0 190 0 2.30 4.50 3.80 5.00 2.30 1.50 1.20 0.70 3.800 3,800 5,300 5,300 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700	Paddy -Irrigated -Rainfed	7,038 43,320	36,282	ĺ	1			Paddy - Imgated - Rainfad	7,038 41,496 8 128 0	34,458
et) 270 1,200 et) 260 1,200 190 0 1,200 190 0 1,200 40 0 1,200 40 0 0 5.30 5.00 5.300 5,300 5,300 5,300 5,700 2,700 5,700 5,700 5,700 5,700 6t) 4,440 5,690 et) 4,440 5,690 et) 3,660 6,130 et) 4,440 5,690 et) 3,660 6,130 et) 3,660 6,130 et) 3,660 6,130 et) 3,660 6,130	m	9,54	, co	2. Harvested Area (ha)				Ø		0
et) 27/0 1,200 et) 260 1,200 190 0 1,200 190 0 0 40 1,200 190 0 0 40 2.30 1.20 4.50 1.20 0 0 2.30 5.00 5,300 5,300 5,700 2,700 5,700 2,700 5,700 5,700 6,700 5,700 6,700 5,700 7,700 5,700 7,700 5,700 7,700 5,700 7,700 5,700 7,700 5,700						,		Corn		616
et) 2550 1,200 0 0 1,200 0 0 1,200 0 0 0 1,200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pean	160 0		Paddy-Imgated (Wet)	270	1,200	930		ı	-190
et) 3.20 4.50 et) 3.80 5.00 0.70 1.20 0.70 2.30 1.50 0.70 2.700 2.700 2.700 5.		15,942 52,860	36,938	(Net) -Rainfed (Wet)	080	907. 0	-930 -930	7 0 ○	15,942 41,495	400,02
190 0 40 0 40 0 40 3.20 4.50 7) 3.80 5.00 1.20 1.50 0.70 2.700 5,700 2.700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700	8			Beans	0	0	0			
et) 3.20 4.50 et) 3.20 4.50 et) 2.30 1.50 1.20 1.50 0.70 3.800 3.800 5.300 5.300 5.700 2.700 5.700 5.700 6t) 3.660 77 5.270 6,130 et) 3.660	-	7. Total Production Cost (1000 Pesos)	(SO	E S	190	0	190	7. Total Production Cost (1000 Pesos)	n Cost (1000 Pest	· (s
et) 3.20 4.50 et) 2.30 5.00 1.20 1.50 1.20 0.70 3.800 3.800 5.300 5.300 5.700 5.700 5.700 5.700 61) 4.440 5,690 my 5.270 6,130 et) 4,440 5,690 my 5.270 6,130 et) 3.660 2,930		-		Peanuts	40	0	40			
et) 3.20 4.50 et) 2.30 5.00 1.20 1.50 1.20 0.70 3.800 3.800 5.300 5.300 5.700 2.700 5.700 5.700 et) 4,440 5,690 my 5,270 6,130 et) 3,660 2,930	Paddy -Irrigated	2,569 14,184	•					Paddy -Irrigated	2,569 14,124	11,555
et) 3.20 4.50 et) 2.30 5.00 1.20 1.50 0.70 3.800 5.300 5.300 5.300 5.700 5.700 5,700 5.700 5,700 5.700 5,700 6.130 et) 4,440 5,690 et) 3,660 2,170	-Rainfed		•	٠				Rainfed		-3,404
et) 3.20 4.50 et) 2.30 1.50 1.20 0.70 3.800 3.800 5,300 5.300 2,700 5.700 5,700 5.700 et) 4,440 5,690 et) 4,440 5,690 et) 3,660 et) 3,660	Beans	0 3,516	3,516	3. Unit Yield (ton/ha)				Beans	0	0
3.20 4.50 2.30 1.50 1.20 1.50 0.70 5,300 5,300 5,700 5,700 5,700 5,700 4,440 5,690 5,270 6,130 3,660 3,660 2,730	Som		i					Com	412 0	412
3.80 5.00 2.30 1.50 1.20 0.70 5.300 5.300 5.700 5.700 5,700 5,700 5,700 5,700 5,700 5,700 5,700 5,700	Peanuts	76 0		Paddy-Irrigated (Wet)	3.20	4.10		Peanuts	76 0	-76
2.30 1.20 0.70 3,800 3,800 5,300 5,300 5,700 2,700 5,700 5,700 4,440 5,690 4,440 5,690 3,660 3,660 2,930	EtoT	6,461 17,700	11,239	(<u>G</u>	3.80	2,00		Total	6,461 14,124	7,663
1.50 0.70 3,800 3,800 5,300 5,300 5,700 2,700 5,700 5,700 4,440 5,690 5,270 6,130 3,660 2,930				-Rainfed (Wet)	2.30					
1.20 0.70 3.800 3.800 5,300 5,300 2.700 2.700 5,700 5,700 4.440 5,690 5,270 6,130 3,660 2,930				Beans						
3,800 3,800 5,300 2,700 2,700 5,700 5,700 4,440 5,690 5,270 6,130 3,660 2,930	8, Net Productio	Net Production Value (1000 Pesos)	(so	Com	1.20		-	8. Net Production Value (1000 Pesos)	Value (1000 Pes	(\$)
3,800 3,800 5,300 5,300 2,700 2,700 5,700 5,700 4,440 5,690 5,270 6,130 3,660 2,930				Peanuts	0.70					
3,800 3,800 5,300 5,300 2,700 2,700 5,700 5,700 4,440 5,690 5,270 6,130 3,660 2,930	Paddy -irrigated	29,13	••					Paddy - Imigated	27,37	
3.800 3.800 5.300 5.300 2.700 2.700 5,700 5,700 4,440 5,690 5,270 6,130 3.660 2,930	-Rainfed	4,724 0						Hainfed	4,724 0	-4,724
5,3800 5,700 5,700 6,130 2,930 2,930	Beans	0 6,024	6,024	4. Unit Price (Peso/ton)				Beans		0
3,800 5,300 5,700 6,600 2,930 2,930	Com	204 0						Corn	204 0	-204
2,300 2,400	Peanuts	1	2 <u>8</u>	Paddy	3,800	3,800		Peanuts		-84
2,480 6,480 2,930 2,930	Total	9,481 35,160		Beans	5,300	5,300		Total	9,481 27,372	17.891
5,700 5,690 6,130 2,930				San	2,700	2,700		-		
5, 690 6,130 930 930				Peanuts	5,700	5,700				
5,690 6,130 6,930	9. Annual Incremental Benefit	ental Benefit						9. Annual Incremental Benefit	ental Benefit	
5,690 6,130 2,930	(Peso/ha)	7,901 29,300	21,399					(Peso/ha)	7,901 22,810	14,909
Painked (Wet) 4,440 5,690 (Dxy) 5,270 6,130 Painked (Wet) 3,660 2,930				5. Unit Production Cost (Peso/ha)	eso/ha)			:		
- Painfed (Wet) 5,270 6,130 - Painfed (Wet) 3,660 2,930 S 170	. C			Dadring Indiana	4 440	5.40	1.200			
Rainfed (Wet) 3,660 2,930 2,170	0.6			(Act) respectively	5 270	6 130	098			
s 2170	2			-Rainfed (Wet)	3,660	2	5 .			
071.0				Beans						
				E&S	2,170					
- It	-	•		Peanuts	1,890					

Table 6.11 (14) Irrigation Benefits of Tumauini Irrigation System

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Pattern
bud
Crop
pasoc
ō.
1

	Mishou?	47/47	900	wal	talithour	14 feb	0,00	Person	145.46.	18 605	· ·	Home			
α.		Project	mental	lect) is	Project	Project	mental		Project	Project	mental	Ţ.	Project Project	۲.	mental
					-							-			
1. Total Paddy Field (ha)	3.987	3.987	0	6. Gross Production Valu	ion Value (e (1000 Pesos)	(c)	1. Total Paddy Field (ha)	3 987	9,987	c	6. Gross Production Value (1000 Pesos)	on Value (1000	Pesos)	
				Paddy -Irrigated -Ranfed	27,132	123,823	96,691 -22,287					Paddy -Imgated -Rainfed	27,132-136,027- 22,287 0	***	108,895
2. Harvested Area (ha)				co	0 8	31,697	31,697	2. Harvested Area (ha)				Beans	0	0	0
Paddy-Impated (Wet)	1.430	3.730	2.300	Peanuts	3,086	00	-3,086	Paddy-Imigated (Wet)	1 430	3 987	2.557	Corn	3,086		-3.086
	670	3,160	2,490	Total	53,662	1	101,858	(Dry)	670	3,890	3,220	Total	53,662 136,027		82,365
-Rainfed (Wet)	2,550	0 1	-2,550					-Rainfed (Wet)	2,550	0	-2,550				
Beans	1 270	786,6	3,987	7 Total Broduction Cost		(4000 0000)		Beans	230	00	70	7 Total Day	, , , , ,	1	
ots	2,68	0	290-	. Total risoncile		(Social Social		Peanuts	290	0	0/2/:-	7. Total Production Cost (1000 Pesos)	11 COST (1000 P	(sosa	
				Paddy -Irrigated	9,912	40,595	30,683		•		;	Paddy -Irrigated	9,912 46,332		36,420
() () () () () () () () () ()				-Rainfed	6,333 9,333	0 6	- 6,333					-Rainfed	5,333		-9.333
s. Onn Tield (lonnia)				Con	0 020	299'LL	280,11	3. Unit Yieka (ton/na)				Seans	0 60 6		0 6
Paddy-Irrigated (Wet)	3,40	4.50		Peanuts	548	00	548	Paddy-Impated (Wet)	3.40	4.10		Peanits	7,0/7 0,46) > C	7,0,7 0,44,0
(Kg)	3.40	5.00		Total	21,863	52,277	30,414	(Dy)	3,40	5.00		Total	21,863 46,332		24,469
-Rainfed	2.30			٠				-Rainfed (Wet)	2.30						
Beans		1,50						Beans							
Com	90.0			8. Net Production Value (1000 Pesos)	Value (10	00 Pesos)		S	06'0			8. Net Production Value (1000 Pesos)	Value (1000 F	(sosa,	
Peanuts	0.70				i	:	:	Peanuts	0.70						
				_	17,220	83,228	66,008					Paddy -Imgated	17,220 89,695		72,475
				- Tarried	400,71) (40821-					Hanied	12,954	0	-12954
4. Unit Price (Peso/ton)				Com	o e	610,03	610,03	4. Unit Price (Peso/Ion)				Beans	0 (0 0
Paddy	3,800	3,800		Peanuts	9 9 9 9	0	609	Paddy	3.800	3.800		Peanuts	609 609	i o c	0 00
	2,300	5,300		Total	ì	103,243	71,444	Beans	5 300	5,300		Total	31,799 89,695		57.896
Con	2,700	2,700						Sea	2,700	2,700					
Peanuts 5	5,700	5,700						Peanuts	5,700	5,700					
				9. Annual Incremental Benefit	ental Bene	=						9. Annual Incremental Benefit	ental Benefit		
				(Peso/ha)	7,976	25,895	17,919					(Peso/ha)	7,976 22.497		14,521
5. Unit Production Cost (Peso/ha)	eso/ha)							5. Unit Production Cost (Peso/ha)	(Peso/ha)						
	4,720	5,690	970					Paddy-Irrigated (Wet)	4,720	5,640	920				
(Dy) 4	4,720	6,130	1,410					Ω Q	4,720	6,130	1,410				
-Rainfed (Wet)	3,660	6						-Rainfed (Wet)	3,660						
S	Ġ.	2,930						Beans	4						
Coa	020							E 200	1,630						
	3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						Ceaning	280.			***************************************			

Table 6.11 (15) irrigation Benefits of Zinundungan River Irrigation System

- Lie	Villout		900	500		Š	اعطا		Nithod II	5	٥	50	3	2	dog
	- 1	- 1	mental		Project	Project	mental		- 1	-1	mental		Project	Project	mental
(ed) edicin terminal					7 1 1 1 1 1 1 1		v						100	000	-
1. totat ⊬acidy ⊬ield (na)	1,760	1,760	ø	5. Gross Production Value	on Value	(1000 Pesos)		1. Fotal Paddy Held (na)	1,760	1,760	0	6. Gross Production Value (1000 Pesos)	tion value	(1000 respi	(ŝ
I				Paddy -Irrigated -Ranted	26,456	63,536	37,080	i				Paddy - Imgated -Rainfed	26,456	60,851 0	34,405
2. Harvested Area (ha)				w	0 [o o		2. Harvested Area (ha)				U)	010	00	910
Control of the Control of the Control	,	792	6	Com	1,277	0 (-1,277	Control of the Contro	1	4	Ć.	Corn	1/2/1) S	1771-
racoy-imgated (Wet) (Dry)	2,6	1,760	066	reands	34.592	63.536	28.944	racoy-impareo (wer)	0/0'.	1,760) 0 0 0 0	Total	34,592	60,861	26,269
-Rainfed (Wet)	680	0	089		1			-Rainfed (Wet)	989	0	089-	•		<u>.</u>	
Beans	0	0	0					Beans	0	0	0			÷	
Con	430	0	-430	7. Total Production Cost	on Cost (10	(1000 Pesos)		Com	430	0	-430	7. Total Production Cost (1000 Pesos)	ion Cost (1	000 Pesos)	
Peanuts	100	0	-18					Peanuts	100	0	-100				
				Paddy -Irrigated -Rainfed	9,655	20,803 0	11,148					Paddy -Imgated -Rainfed	9,655 2,706	20,715	11,060
3. Unit Yield (ton/ha)				Beans	Ö	0	٥	3. Unit Yield (ton/ha)				Beans		0	0
				Coch	856	0	-856					Corn	856	0	-856
Pacidy-Irrigated (Wet)	3.70	4.50		Peanuts	189	0	-189	Paddy-Imigated (Wet)	3.70	4.10		Peanuts	189	0	-189
(A)	3.90	5.00		Total	13,406	20,803	7,397	É	3.90	5.00		Total	13,406	20,715	7,309
-Rainfed (Wet)	2.50							-Rainfed (Wet)						•	
Beans		.50						Beans				(;	(
Com	2			8. Net Production Value (1000 Pesos)	ין Value (זונ	000 Pesos)		E CO	÷.			8. Net Production Value (1000 Pesos)	n Value (1	cod resos)	
Peanuts	0.70					;	4	Peanuts	0.70					0,7	9
				Paddy -Imgated	16,801	42,733	25 932					Pagoy - Imgaled	9 0	9 6 7 9 7	2757
				- indined	\$ (O	> •	40/2					•	5) (7
4. Unit Price (Peso/fort)				Beans	ک ج	၁	o ;	4. Unit Price (Peso/ton)				Beans	۰ <u>ج</u>) (ې د پ
:	6			E d	Z 3	o (12.4	1	6	6		E 60	74.0) (9 6
Pacity	20.5	008,5		Peanuts	212		017	raddy	0000	000,0		rearing	017		000
Beans	5,300	5,300		100 100	21,186	42,733	21,547	Beans	966	300		<u> </u>	21,186	40,140	2000
Con	2,700	2,700						5	1,700	200					
Peanuts	90/6	2,700		Spans laterance of terrand	in the second	Ġ		STIPPL STIPPL	2,'0	20		9 Applied [powements Bonefit	nontal Ron	- Peris	
	-			e, Auricia Ilicielli (Poso/ha)	12 038	24.280	12 242					(Peso/ha)	12 038	22.810	10.772
5. Unit Production Cost (Peso/ha)	esofna)							5. Unit Production Cost (Peso/ha)	(Peso/ha)					ı	
Paddy-Irrigated (Wet)	5,130	5,690	560				-	Paddy-Imgated (Wet)	5,130	5,640	510	÷			
(Met)	086	00.	24				-	-Rainfed (Wet)	3,980	5	3				
Beans	}	2,930						Beans	<u>.</u>	٠					
Com	1,990							S	1,990						
00000	000							Doortite	C α γ						

Table 6.12 Annual Incremental Benefits in Irrigation Development Schemes

	NI	Total A Incremental B		Annual Inc Benefit per	
	Name of Scheme	Proposed Crop	ping Pattern	Proposed Crop	ping Patter
_,		A&C	B&C	A&C	B&C
Nev	v Irrigation Scheme				
(1)	Chico Mallig IP	778,335	596,421	24,946	19,116
(2)	Matuno RIP	259,526	187,810	20,467	14,811
(3)	Dabubu RIP	24,135	20,565	24,135	20,565
(4)	Zinundungan IEP	61,032	49,034	22,563	17,186
		(21,547) (1	(18,960) /1	(12,242) 🗓	(10,772) /1
(5)	Alcala Amulung West IP	159,980	134,993	23,701	19,999
(6)	Tuguegarao IP	32,887	31,264	23,491	22,331
(7)	Lulutan IP	70,350	54,709	23,847	18,545
(8)	Ilagan IP	72,672	71,374	22,710	22,305
(9)	Gappal IP	105,041	83,624	23,873	19,006
	·				
Reh	abilittion/Improvement Scheme				
(1)	Dummun RIS	41,328	27,893	19,965	13,475
(2)	Baggao IS	33,527	22,567	18,503	12,454
(3)	Solana IS	63,341	44,981	22,390	15,900
(4)	Pinacanauan IS	25,679	17,891	21,399	14,909
(5)	Tumauini IS	71,444	57,896	17,919	14,521

^{/1:} Irrigation benefits derived from the water supply to the existing Zinundungan River Irrigation System.

(to be continued)

Annual Equivalent Flood Damages in Irrigation Development Schemes Table 6.13

Table 6.13(2) Annual Equivalent Flood Damages in Matuno R I P

Table 6.13(1) Annual Equivalent Flood Damages in Chico Mallig I P

				=	(Unit:10^6 Pesos)	Pattern A & C	⊘ & C)	;				(Unit:10^6 Pesos)
ability	Annual Average	Damages hv	Average	Annual Equivalent Annual Equivalent	Annual Equivalent	Exc	Exceeding /	Annual Average Probability	Damages	Average	Annual Equivalent Annual Equivalent	Annual Equivalent
104 0	Retween	Figor	Softwoon 1	Retween		Đ đơng	Probability	Retween	, E	Between	Between	Demedical
	Scale of Flood		Scale of Flood	Scale of Flood				Scale of Flood		Scale of Flood	တ်	cafee and
		0	,	,		1/1.47			0	٠		f
	0.18	22.58	11.29	2.03	2.03	1/2	(0.5)	0.18	50.11	25.06	4.51	4.51
	0.30	55.82	39.20	11.76	13,79	1/5	(0.5)	0.30	55.24	52.68	15,80	20,31
(0.1)	.10	74.75	65.29	6.53	20.32	1/10	6.0	0.10	59.78	57.51	5.75	26.08
(0.05)	.05	89.14	81.95	4.10	24.42	1/25	(0.05)	0.05	62.89	61,34	3.07	29.13
	.03	100.74	94.94	2.85	27.27	1/50	(0.05)	0.03	67.46	65.18	1,96	31,09
(0.01)	0.01	116.14	108.44	1.08	28.35	1/100	(0.01)	0.01	70.33	68.90	69.0	31.78
	Accessor	000000	A . Co. co.	A 20101 11 12 12 10 10 4	A 25.10 C 21.10 C 25.00	Caiboochi		Annual Arterano	Osmooo	Augraph	Andrew Contractors	Apprint Committee
Exceeding Annual Prob	Annual Average Probability	Damages	Average	Annual Equivalent Annual Equivalent	Annual Equivalent	Ŏ Ĭ	rxceeding /	Annual Average Probability	sacrades pv	Average Damages	Annual Equivalent Annual Equivalent Damages	Annual Equivak
Probability Bea	Between Scale of Flood	Flood	Between Scale of Flood	Between Scale of Flood	Damages	Prob	Probability	Between Scale of Flood	Flood	Between Scale of Flood	ď	Damages
		'										
.47 (0.68)		5		,	1	4 .1.71			> ;	• 1	1	
(0.5)	8	16.15	8.07	1.45	1.45	1/2	(0.5)	80	35,81	17.91	3.22	3.22
	.30	40,32	28.24	8.47	9.92	1/5	(S (S)	0.30	39.53	37.67	11,30	14.52
	0.10	52,90	46.61	4.66	14.58	1/10	(0.1)	0.10	42.38	40.96	4.10	18.62
(0.05)	0.05	62.88	57.89	2.89	17.47	1/25	(0.05)	0.05	44.31	43.35	2.17	20.79
(0.05)	0.03	70.87	66.88	2.01	19.48	1/50	(0.05)	0.03	47.21	45.76	1.37	22.16
0 (0.01)	0.01	81.53	76.20	0.76	20.24	1/100	(0.01)	0.01	49.19	48.20	0.48	22.64

(continuation)

Table 6.13(3) Annual Equivalent Flood Damages in Zinundungan IEP & R1S

Table 6.13(4) Annual Equivalent Flood Damages in Alcala-Amulung West 1 P

Pattern A & C	ပ ∞	. !			-	(Unit:10^6 Pesos)	Pattern A & C	υ «					(Unit:10*6 Pesos)
Exceeding	l	Annual Average Probability	Damages by	Average Damages	Annual Equivalent Damages	Annual Equivalent Annual Equivalent Damages	Exc]	Annual Average Probability	Damages by	Average Damages	Annual Equivalent Annual Equivalent Damages	Annual Equivale
Probability	vility	Between Scale of Flood	Flood	Between Scale of Flood	Between Scale of Flood	Damages	9 co	Probability	Between Scale of Flood	Flood	Between Scale of Flood	8	Damages
1/1 47	(0.68)	•	0	•	,		111.47	(0.68)	•	0	ı		:
	(0.5)	0.18	3.50	1.75	0.32	0.32	1/2		0.18	21.04	10.52	68.	1.89
٠.	(0,2)	0.30	22.04	12.77	3.83	4.15	1/5	0,5	0.30	55.67	38.36	11,51	13,40
,-,	, (r	0.10	30.98	26.51	2.65	6.80	1/10	(0.1)	0.10	73.60	64.63	6.46	19,86
	(0.05)	0.05	47.39	39.19	1 96	8.76	1/25	(0.05)	0.05	85.32	79.46	3.97	23.83
	000	0.03	51.40	49.40	1.48	10,24	1/50	(0.05)	0.03	88.09	86.71	2.60	26.43
o	(0.01)	0.0	54.89	53.15	0.53	10.77	1/100	(0.01)	0.01	93.19	90.64	0.91	27.34
	Ĺ			A 100 mm	to olonia para t	Control Control	o dipocondi	1	Samuel Assessed	Campood	01/070/10	Annual Education Annual Education	Andrea Barrior
Exceeding		Annual Average Probability	Damages 5y	Average Damages	Annual Equivalent Damages	Annual Equivalent Annual Equivalent Damages	ğ	cxoeeqii d	Annual Average Probability	Segrados Ag	Average Damages	Amilda Equivalent Damages	אווורפו בלתואפו
Probability) Jility	Between Scale of Flood	Flood	Scale of Flood	Between Scale of Flood	Damages	Prob	Probability	Between Scale of Flood	Flood	Between Scale of Flood	Between Scale of Flood	Damages
1/1 47 ((0.68)		0	١		,	1/1,47	(0.68)	1	0		ŀ	•
	(6.0)	0.18	2.40	1.20	0.22	0.22	5	(0.5)	0.18	17.81	8.90	1.60	1.60
	200	0.30	14.41	8.40	2.52	2.74	1/5	9	0.30	45.01	31.41	9.42	11.02
,-) (0.10	20.18	17.30	1,73	4.47	1/10	(0,1)	0.10	58,32	51.67	5.17	16,19
	(0.05)	0.05	30.67	25.43	1.27	5.74	1/25	(0.05)	0.05	67.05	62.69	3,13	19.32
1/50	(0.05)	0.03	33.20	31.94	96.0	6.70	1/50	(0.05)	0.03	68.95	68.00	2.04	21,36
C	0.01	0.01	35.38	34.29	0.34	7.04	1/100	(0.01)	0.01	72.40	70.68	0.71	22.07

(continuation)

Table 6.13(5) Annual Equivalent Flood Damages in Tuguegarao I P

Annual Equivalent Flood Damages in Lufutan I P

Table 6.13(6)

Pattern A & C	A & C					(Unit:10^6 Pesos)	Pattern A & C	ر د)	(Unit:10*6 Pesos)
Exceeding		Annual Average Probability	Damages by	Average	Annual Equivalent Damages	Annual Equivalent Annual Equivalent Damages	Exceeding	ļ	Annual Average Probability	Damages by	Average Damages	Annual Equivalent Annual Equivalent Damages	Annuai Equivalen
Probability	bility	Between Scale of Flood	Flood	Between Scale of Flood	Scale of Flood	Damages	Probability	Sility	Between Scale of Flood	Frood	Between Scale of Flood	Between Scale of Flood	Батарея
1/1.47	(0.68)		0	•	•	•	1/1,47	(0.68)		0	,	1	,
ũ	(0.5)	0,18	3.22	1.61	0.29	0.29	1/2	(0.5)	0.18	0.25	0.13	0.02	0.02
1/5	(0.2)	0.30	7.63	5.43	1.63	1.92	1/5	ે (શે (છે	0.30	1.82	1,04	0.31	0.33
710	(G.2)	0.10	12.94	10,29	1.03	2.95	1/10	, (2,	0.10	5.30	3.56	0.36	0,69
1/25	(0.05)	0.05	17.96	15.45	0.77	3.72	1/25	(0.05)	0.05	11,02	8.16	0.41	1,10
1/50	0.05	0.03	18.60	18,28	0.55	4.27	1/20	0.00	0.03	12.94	11.98	0.36	1.46
7100	(0.01)	0,01	19.04	18.82	0.19	4.46	1/100	(0.01)	0.01	16.88	14.91	0.15	1,61
Pattern B & C	ı		-1			(Unit 10% Pesos)	raiter Ba C	1					Corner of Person
Ű.	Exceeding	Annual Average Probability	Damages by	Average Damages	Annual Equivalent Air Damages	Annual Equivalent	Exceeding		Annual Average Probability	Damages by	Average Damages	Annual Equivalent Annual Equivalent Damages	Annual Equivale
Probability	bility	Between Scale of Flood	Flood	Between Scale of Flood	Scale of Flood	Damages	Probability	bility	Between Scale of Flood	Flood	Between Scale of Flood	Between Scale of Flood	Damages
1/1.47	(0.68)		0	ŀ	•		1/1.47	(0.68)	i	,0	•	,	ι
27	(0.5)	0.18	3.08	1.54	0.28	0.28	1/2	(0.5)	0.18	0.20	0.10	0.02	0.02
1/5	0.2	0.30	6.95	5.02	1.51	1,79	1/5	(0.2)	0.30	1.34	0.77	0.23	0.25
1/10	.e.	0,10	11.86	9.40	0.94	2.73	1/10	(0)	0.10	3.85	2,60	0.26	0.51
725	(0.05)	0.05	16.52	14.19	0.71	3.44	1/25	(0.02)	0.05	8.21	6,03	0.30	0.81
1/50	(0.05)	0.03	17.10	16.81	0.50	3.94	1/50	(0.0%)	0.03	9.63	8,92	0.27	1,08
1/100	(0.01)	0.03	17.52	17.31	0.17	₹ 7	1/100	(0.01)	0.01	12.45	11.04	0.51	1.19

Table 6.13(7) Annual Equivalent Flood Damages in Ilagan 1 P

Table 6.13(8) Annual Equivalent Flood Damages in Gappal 1 P

Fynoding	Annual Annual	2000			(Unit:10^6 Pesos)	Pattern A & C	v				(Capped SACAMINICALL)
	Probability	2 (Sec.)	Average Damages	Annual Equivalent Danages	Annual Equivalent Annual Equivalent Damaces	Exceeding	₹	8			Annual Equivalent Annual Equivalent
Probability	Scale of Flood	Flood	Scale of Flood	Between Scale of Flood	Damages	Probability	Probability ty Between Scale of Flood	ity n Flood food	Y Damages od Between Scale of Flood		Damages
1/1.47 (0.68)		0	. •			ĺ	ı]	
1/2 (0.5)	,	2.64	32	. VO 0	. 0	4		0	•	•	•
1/5 (0.2)	0.30	7.01	4 60	† 4. t	. v	•	(0.5) 0.18	1.68	38 0.84	0.15	0.15
1/10 (0.1)		10.47	- 0 - 0) h	D (0)	1/2	2) 0.30	J.		1.02	1.17
		12.70	4 1 63	0.0	4.56			7.1		0.61	7.20
(0.0)	000	10.7	 	80.0	4.00		.05) 0.05	12.		0.49	200
) (i	0.00	0.40	3.54	1/50 (0.	.02) 0.03	4.	-	0.40	. i c
		00.0	D 0.	60	3.69	1/100 (0	(0.01) 0.01	17.16		0.16	200
Exceeding	Annual Average	Damages	Average	Appriat Equipples Appriat Co.	Position of the control of the contr	Pattern B & C	ı				(Unit:10^6 Pesos)
· ·	Probability	þ	Damages	Damages	Amiles Equivalent	Exceeding	3 Annual Average Probability	පී			Annual Equivalent Annual Equivalent
Probability	Scale of Flood	Flood	Between Scale of Flood	Between Scale of Flood	Damages	Probability	U.	Flood			Damages
1/1.47 (0.68)		0					1	3	DOOL O AREA	XXX SXZIE OF FIOOG	
	0,18	2.63	1,32	0.24	200	4		0		1	
1/5 (0.2)	0.30	6,95	4.79	44.				1.42		0.13	0.13
	0.10	10.37	8.66	0.87	. o		0.30	4. Si	8 2.85	0.86	0.99
		12.65	11.51	0.58) e ; ; ;	0.7		ტ. ტ.		0.51	1.50
1/50 (0.02)		13,54	13.10	0.39	0 0 0 0			68.6		0.40	1.90
1/100 (0.01)		15.49	14.52	0.15	3.67	1/30 (0.02)		11.47	•	0.32	2.22
							50.0	13 46	12.47	C+ C	700

Table 6.13(9) Annual Equivalent Flood Damages in Dummun R1S

					0 000 to \$100	:					
Exceeding	Annual Average	Damages	Average	Applial Equivalent Applial Equipment	Since Pesos)	Pattern A & C				-	(Unit-1046 Deepe)
	Probability	by	Damages	Damages	vinual Equivalent	Exceeding	Annual Average	පී	Average	alent	Annual Equivalen
Probability	Scale of Flood	Flood	Scale of Flood	Between Scale of Flood	Damages	Probability	Between Scale of Elect	က် တို	Between 5	Damages Between	Damages
1/1.47 (0.68)		0				1	Ì		Scale of Plood	Scale of Flood	
		0.74	0.37	0.07		47		0	1		•
1/5 (0.2)	0.30	5.86	3.30	66.0	800	(0.5)	0.18	6.35	3.18	0.57	0.57
		10.15	8.01	0.80	. r		0.30	20.57	13,46	4.04	4.6
	0.05	15.01	12.58	0.63	0.00		0.10	29.54	25.06	2.51	7.12
		16.57	15.79	0.47	9 0	1/25 (0.05)	0,05	35.41	32.47	1.62	8.74
(1000 (0.01)	0.01	24.85	20 71	100	1 0		0.03	37.34	36.38	000	83
					70	1/100 (0.01)	0.01	40.22	38.78	0.39	10.22
Pattern B & C				;	1						
Exceeding	Annual Averson	Damacae	41,000,00	(U)	(Unit:10*6 Pesos)	Pattern B & C				,	(1 (pit-10A)
•	Probability	24		ninodi Equivalent A	nnual Equivalent	Exceeding	Annual Average	Damages	Average	Annual Equivalent Appres Equivalent	Applied Equipolog
Probability	Between Scale of Flood	Flood	Between Scale of Flood	Between Scale of Elvor	Damages	Probability	Probability Between	Flood	Damages Between	Damages Between	
l	1						Scale of Flood		Scale of Flood	Scale of Flood	
47		0	•			1/1 47 (0 68)		c			
1/2 (0.5)		0.46	0.23	0.04	0.04		, c) c	, (•	•
		3,64	2.05	0.61	0.65	1/5 (0.2)	0.0	2,93	20.0	0.36	98.0
		6.31	4.97	0.50	1.15		9 6	0 0 0	, c. c.	2.51	2.87
1/25 (0.05)		9.33	7.82	0.39	1.54		- 6	18.35	15.57	1.56	4.43
		10.30	9.82	0.29	£8.		0.0	72.01	20.19	1.01	5.44
1/100 (0.01)	0.01	15.44	12.87	0.13	1.96	0	50.0	Z3.21	22.61	0.68	6.12

Table 6.13(11) Annual Equivalent Flood Damages in Tumauini | S

Š	TXXXXXX	Annual Average	Carrages	Average	Annual Equivalent	Annual Equivalent Annual Fourvation
	,	Probability	, 5	Damages	Damages	
Proba	Probability	Between	Flood	Between	Between	Damages
	.	Scale of Flood		Scale of Flood	Scale of Flood	,
1/1.47	(0.68)		٥	•	•	1
1/2	(0.5)	0.18	3.45	1.73	0,31	0.31
1/5	(0 (2)		6.16	4.81	1.44	1.75
70	6 5	0.10	11.54	8.85	0.89	2.64
/25	(0.05)		14.52	13.03	0.65	3.29
1/50	(0.05)	0.03	16.42	15.47	0.46	3.75
1/100	(0.01)	0.01	21.28	18.85	0.19	3.94
Exceeding	ž Š	Annual Average	Damages	Average	Annual Equivalent Annual Equivalent	Annual Equivalent
Probability	Silito Villa	Probability Retugge	م يا م	Damages	Damages	. (
		Scale of Flood	3	Scale of Flood	Scale of Flood	Odlidges
1/1.47	(0.68)	,	0		,	1
27	(0.5)	0.18	2.14	1.07	0.19	0,19
ľζ	(0.2)	0.30	3,83	2.99	0.90	1.09
1/10	(0.1)	0.10	7.17	5.50	0.55	1.64
52	(0.05)	0.05	9.02	8.09	0.40	2.04
1/20	(0.02)	0.03	10.21	9.62	0.29	2.33

Table 6.14 Summary of Annual Equivalent Flood Damages in Irrigation Development Schemes

(Unit: 106P) Proposed Cropping Pattern Name of Scheme A&C B&C New Irrigation Scheme 20.24 (1) Chico Mallig IP 28.35 22.64 (2) Matuno RIP 31.78 (3) Dabubu RIP 7.04 10.77 (4) Zinundungan IEP & RIS 27.34 22.07 (5) Alcala Amulung West P (6) Tuguegarao IP 4.46 4.11 1.19 (7) Lulutan IP 1.61 (8) Ilagan IP 3.69 3.67 (9) Gappal IP 2.83 2.34 Rehabilitation/Improvement Scheme (1) Dummun RIS 3.17 1.96 (2) Baggao IS 6.36 (3) Solana IS 10.22 (4) Pinacanauan IS (5) Tumauini IS 3.94 2.45

Table 6.15 Annual Production Foregone in Irrigation Development Schemes

				(Unit: 106 P)
87 CO 1	Proposed Patter	Cropping n A&C		Cropping n B&C
Name of Scheme	Dam Reservoir	Irrigation Facility	Dam Reservoir	Irrigation Facility
New Irrigation Scheme				
(1) Chico Mallig IP	1.42	3.21	1.37	3.21
(2) Matuno RIP	-	2.40	—	2.40
(3) Dabubu RIP		0.10	-	0.10
(4) Zinundungan IEP	0.40	0.28	0.37	0.28
(5) Alcala Amulung West IP	-	0.75		0.75
(6) Tuguegarao IP	-	0.11	_	0.11
(7) Lulutan IP	-	0.42	-	0.42
(8) Ilagan IP	. 	0.25	_	0.25
(9) Gappal IP				
- Dam	0.09	0.65	0.07	0.65
- Pump	-	0.54		0.54
		·		

Economic Cost and Benefit Flow for Irrigation Development Schemes
Table 6.16 (1) Economic Cost and Benefit Flow for Chico Maing 1P Table 6.16 (1) Table 6.16

Ļ.				(Proposed	(Proposed Cropping Pattern	attern A &	<u>.</u>	: :		L		8		(Proposed	(Proposed Cropping Pattern	#ನ ದು	ં ઉ		
4			Cost			8.0	Benetit	1000			8 /0'7' # CU-	8,0,0	Cost			88	Benefit	Cont : Peso 10"6)	
Year In	IOI.	Capital Cost	0.	Total	Irrigation	[4	Flood Production	Tatal	Benefit-	Year in	JOI	Capital Cost	0		I	à	oduction	Tatal	Banefit-
5 -	Take 1	38.21	ileni cosi	38.21	Senelli	SEE CONTRACT	10800h	0.00	-38.21	1 -	E82	38.21	ent cost	38.21	Senetit	Damage	roegone	Benetit 0.00	38.21
N	32.94	205.53		238.47			-0.64		-239.11	α	31.97	205.53		237.50			-0.64	-0.64	-238.14
ო •	164.70	452.47		617.17			-1.28		-618.45	ო •	159.83	452.47		512.30			1.28	-1.28	-613.58
ŧ vo	351.37	452.47		803.84			26.5-	2.57	-726.90	t √n	340.96	452.47		793.43			-1.92 5.04	-1.92	-720.77 -796.00
φ	274.51	287.61		562.12			-4.83	-4.83	-588.75	60	266.38	287.61		553.99			35.4	. 58	-558.57
7			24.36	24.36	389,16	-14.18	-4.63	370.35	345,99	7			24.01	24.01	298.21	-10.12	4.58	283.51	259.50
ω			24.36	24.36	544.82	-19,85	-4.63	520.34	495.98	හ			24.01	24.01	417.49	-14.17	4.58	398.74	374.73
σ ;			24.36	24.36	622.65	-22.68	4.63	595.34	570,98	σı (24.01	24.01	477.14	-16.19	-4.58	456.37	432.36
2 •			24.36	24.36	700,48	-25.51	6.63	670,34	645,98	o ;			24.01	24.01	536.78	-18.22	5.53	513.98	489.97
			24.35	24.36	778.34	-28.35	4.63 8.63	745.36	00.127	- ¢			24.03	24.01	596.42	-20.24	4.58 8.08	571.60	547,59
. t			24.36	24.36	778,34	-28.35	63	745.36	721.00	. t.			24.01	24.01	596.42	-20.24	5.58	571.60	547.59
4			24.36	24.38	778.34	-28.35	4.63	745.36	721.00	4			24.01	24.01	596.42	-20.24	-4.58	571.60	547.59
15			24.36	24.36	778.34	-28.35	-4.63	745.36	721.00	15			24.01	24.01	596.42	-20.24	-4.58	571.60	547.59
9			31,20 24,36	55.56	778,34	-28.35	-4.63	745.36	689.80	16			31.20 24.01	55.21	596.42	-20.24	4. 80.	571,60	516.33
17			24.36	24.36	778.34	-28.35	4.63 63.	745.36	721.00	17			24.01	24.01	596.42	-20.24	-4.58	571.60	547.58
30 (24.36	24.36	778,34	-28.35	4.63	745.36	721,00	φ (24.01	24.01	596.42	-20.24	-4.58	571.60	547.59
ф <u>6</u>			24.36	24.36	778.34	-28.35	4, 4 80, 4	745.36	721.00	æ c			24.01	24.01	596.42	20.24	4. 4. 60.0	571.60	547.59
3 2			24.36	24.35	778.34	28.35	4 4	745.36	721.00	\$ 7			24.01	2 4 6	596.42	- 40.02-	4 4 9 00 0 00	571.60	547.59
			24.36	24.36	778.34	-28.35	5.63	745.36	721.00	55			24.01	24.01	596.42	-20.24	8,4	571.60	547.59
53			24.38	24.36	778,34	-28.35	4.63	745.36	721,00	23			24.01	24.01	596.42	-20.24	-4.58	571.60	547.59
24			24.36	24.36	778,34	-28.35	-4.63	745,36	721,00	24			24.01	24.01	596.42	-20.24	-4.58	571,60	547.59
52				24.36	778.34	-28.35	-4.63	745.36	721.00	25				24.01	596.42	-20.24	-4.58	571.60	547.59
56			31.20 24.36	55.56	778.34	-28.35	-4.63	745.36	689.80	1 Q			31.20 24.01	55.21	596.42	-20.24	5.58	571.60	516.39
27.			24.36	24.36	778.34	-28.35 -08.35	4 4 80 4 50 6	745.36	00.127	, e			24.01	10.45	596.42	-20.24	4. 4. 80. 4.	571.60	547.58
) (F			24.36	24.35	778.34	-28.35	4.63	745.38	721.00	2 2			24.01	24.01	596.42	-20.24	4	571.50	547.50
9 8			24.36	24.36	778.34	-28.35	4.63	745.36	721.00	30			24.01	24.01	596.42	-20.24	85.4-	571.60	547.59
Е			21.70 24.36	46.06	778.34	-28.35	-4,63	745.36	699,30	<u>e</u>			21,70 24,01	45.71	596.42	-20.24	4.58	571.60	525.89
32			24.36	24.36	778.34	-28.35	-4.63	745.36	721.00	35			24.01	24.01	596.42	-20.24	.4.58	571.60	547.59
93			24.38	24,36	778,34	-28.35	4.63	745.36	721.00	ee 2			24.01	24.01	596,42	-20.24	-4.58	571.60	547.59
4 4			24.36	24.36	778,34	-28.35	4. 6. 5. 6.	745.36	00,127	9 6 4 6			24.0	24.01	596.42	-20.24	4.50	571.80	547.58
ဂ မ ဂ ဗ			31.20 24.36	55.56	778,34	-28.35	-4.63	745.36	689.80	36			31.20 24.01	55.21	596.42	-20.24	-4.58	571.60	516.39
. 76				24.36	778,34	-28.35	-4.63	745.36	721.00	37			24.01	24.01	596.42	-20.24	-4.58	571.60	547.59
38			24.36	24.36	778.34	-28.35	-4.63	745.36	721.00	38			24.01	24.01	595.42	-20.24	-4.58	571.60	547.59
ტ ტ			24.36	24.36	778,34	-28.35	-4.63	745.36	721.00	ဗ္ဗ			24.01	24.01	596.42	-20.24	-4.58	571.60	547.53
6 0			24.36	24.36	778.34	-28,35	. 60 . 60 . 60	745.35	00.127	4 4			24.01	2 2	596.42	20.24	4 80 60	571.60	547.59
(24.30	0 4.50	170.04	20.02-	2 2	746.36	00.127	- c			2,48	2 5	24.000	* V V V V	00.4	57.70	747.09
4 4			24.36	24.36	778.34	28.85	5. 6.	745.36	721.00	. 4 1 6.			24.03	2.0	596.42	-20.24	, 4 5 5 6 8	571.60	547.59
7 T			24.36	24.36	778.34	-28.35	63.4	745,36	721.00	44			24.01	24 01	596.42	-20.24	4.58	571.60	547 59
. 4J			24.36	24.36	778.34	-28.35	4.63	745.36	721.00	45			24.01	24.01	596.42	-20.24	-4.58	571.60	547.59
46			31.20 24.36	55.58	778.34	-28.35	-4.83	745.36	689.80	46			31.20 24.01	55.21	596.42	-20.24	4.58	571.60	516.39
4.7			24.36	24,36	778,34	-28,35	4.63	745.36	721.00	47			24,01	24 01	596,42	-20.24	-4.58	571.60	547.59
4,			24.36	24.36	778,34	-28.35	-4.63	745.36	721.00	& :			24.01	24.01	596.42	-20.24	4.58	571.60	547.59
Ø)		:	24.36	24.36	778,34	-28.35	89,4	745.36	721.00	4 n			24.01	24.9	595.42	-20.24	4 60 60 60 60 60 60 60 60 60 60 60 60 60	571.60	547.59
50			24.30	24.3b	1/8,34	55.22	.4.63	/43.30	761.00	3			10.42	10.47	350.44	-50.54	0.7	20.170	80.740

	IRR= 12.42%	$\frac{1}{2}$						Unit : 1950 10'6		1	HH = 10.12%	4						(Unit : Peso 10"6	2 22 22	
1		Cost	Cost	Total	acitonias	Benefit	9 0 nd 11.	1		1			1		- :	ļ	80001	9711		
Order III	Dam	Dam Irrigation ment cost			Benefit	Damage	Foedone	Benefit	Cost	Order) E	rrigation ment cost		₹ 58 8 0 0	Cost	irrigation Banafit Da	Proced Production		Benefit	genent Cost
-	16.32		Į.	-		1		0.00	-16.32	-	1					1	l	1	0.00	-12.99
2	54,39			54.39			-0.48	-0.48	-54.87	C)	43.31			4	43.31			-0.48	-0.48	-43.79
ო	97.91	20.95		118.86			96.0	96.0-	-119.82	m ·	77.96	20.95		01	98.91			96.0	96.0-	-99.87
₹ 4	119,66	212.80		332.45			4.0	44. [-	-333.90	4 u	95.28	212.80		8 8	308.08			4 6	4 5	-309.52
നധ	00.00	0.00		308.50			-2 40	04.0	- 330 Q8	n «	92.00	208 90		7 6	303.73 304.18			2 40		306.58
۸ د	0.0	5	10.85		129.76	-15.89	-2.40	111.47	100,62	· ~	2	26.50	0,	9.68		93,80 -1	-11.32	2 40	80,18	70.50
. α			10.85			-22.25	-2.40	157.02	146.17	- 60				9.58	-		-15,85	2.40	13.21	103.53
o			10.85			-25,42	-2.40	179.80	168.95	ന				9.68	•		-18.11	2.40	129.73	120.05
ç			10.85		233,57	-28.50	-2.40	202.57	191.72	0				9.68		169.02 -2	-20.38	-2.40	46.24	136.56
Ę			10.85			-31,78	2.40	225.35	214.50	λ 1			0,	9.68			-22.64	-2.40	62.77	153.08
12			10.85			-31.78	-2.40	225.35	214.50	12			.	9.68			-22.64	-2.40	162.77	153.09
ب ق						-31 78	-2.40	225.35	214,50	e.							-22.64	-2.40	62.77	153.09
4		-	12.68 10.85			-31.78	-2.40	225.35	201.82	4			12.68				-22.64	-2.40	162.77	140.41
15			10.85			-31.78	2.40	225.35	214.50	 U				9.68			-22,64	-2.40	162.77	153.09
16			10.85			31 78	-2.40	225.35	214.50	9				9.68			-22.64	-2.40	62.77	153.09
17			10.85			31.78	-2.40	225,35	214.50	7.			.	9.68			-22.64	-2.40	162.77	153.08
ლ			10.85			-31.78	-2.40	225.35	214,50	т. -				89'6	9.68		-22.64	2.40	62.77	153.09
Ø :			10.85			3,78	5,40	225.35	214.50	on o				9.68			-22.64	2.40	52.77	153,09
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0.62 0.62 24.14 -0.10 24.04 23.42 49 0.61 0.61 20.57 -0.10 20.47	80			9.0				-0.10	24.04		48				0,61	0.61	20.57	0.10		18.86
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(continuation)

Year in Capital Cost 1 10.43 2.47 3 83.45 29.11 4 75.02 29.09 10 11 12 14 15 16 17 18 19 20 21 22 23 24 25 29 30 31	2.96 (4 4 5 0	Penefit Senefit Senefi	Sensiti Flood Production Damage Foogons -0.09 -0.19 -0.68 -7.54 -0.68 -9.69 -0.68 -10.77 -0.68 -10.77 -0.68 -10.77 -0.68 -10.77 -0.68	} }	Tatai Benefit	Benefit- Cost	Year in Order	Capi Dam Irr	Capital Cost Replace-		ORM	Total		0 0	e filt duction	Tatai	ĺ
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				5.39 8.62 10.77 10.77 10.77 10.77 10.77 10.77	-0.68	-0.68	-102.79	4	63.74	29.03			92.83			-0.65	-0.85	-93,4B
				. 5.54 . 9.69 . 10.77 . 10.77 . 10.77 . 10.77 . 10.77	-0.68	24.45	21.49	c,				2.87	2.67	24.52	-3,52	-0.65	20.35	17.68
				-8.62 -9.69 -10.77 -10.77 -10.77 -10.77	-0.68	34.50	31.54	Ф				2.67	2.67	34.32	-4.93	-0.65	28.74	26.07
				-9.69 -10.77 -10.77 -10.77 -10.77 -10.77	-0.68	39.53	36.57	7				2.87	2.67	39.23	-5.63	-0.65	32.95	30.28
				10.77 10.77 10.77 10.77 10.77	-0.68	44.58	41.60	œ				2.67	2.67	44.13	-6.34	-0.65	37.14	34.47
				-10,77 -10,77 -10,77 -10,77	-0.68	49.58	46.62	O)				2.67	2.67	49.03	-7,04	-0.65	4.3%	38.67
				-10.77 -10.77 -10.77	6.68	49.58	46.62	ρţ				2.67	2.67	49.03	-7,04	-0.65	41,34	38.67
				-10,77 -10,77 -10,77	-0.68	49.58	46.62	-				2.67	2.57	49.03	-7,04	-0,65	41,34	38.67
				10,77 -10.77	-0,68	49.58	46.62	12				2.67	2.67	49.03	-7.04	-0.65	41.34	38.67
				-10.77	-0.68	49.58	46.62	23				2.67	2.67	49.03	-7,04	-0.65	41.34	38.67
					-0,68	49.58	44.87	4			1.75	2.67	4.42	49.03	-7,04	-0.65	41.34	36.95
				-10.77	-0.68	49.58	46.62	٦. ښ				2.67	2.67	49.03	-7.04	-0,65	41.34	38,67
				-10.77	-0.68	49.58	46.62	16				2.67	2.67	49.03	-7.04	-0,65	41,34	38.67
				-10.77	-0.68	49.58	46.62	17				2.67	2.67	49.03	-7,04	-0.65	41.34	38.67
				-10.77	-0.68	49.58	46.62	18				2.67	2.67	49.03	-7.04	9.85	41,34	38.67
				-10.77	-0.68	49.58	46.62	13				2.67	2.67	49.03	-7.04	0.65	41.34	38.67
				-10.77	-0.68	49.58	46.62	20				2.67	2.67	49.03	-7.04	0.65	41,34	38.67
				-10.77	0.68	49.58	46.62	21				2.87	2.67	48.03	40.7-	٠.65 وع	4.74	38.67
				-10.77	-0.68	49.58	46.62	22				2.87	2,67	49.03	-7.04	0.65	41.34	38.67
				-10.77	-0.68	49.58	46.62	୧୯ ୧୯				2.67	2.67	49.03	-7.04	-0.65	<u>4</u>	38.67
	P. S.	36 4.71		-10.77	-0.68	49.58	44.87	24			1.75	2.67	4.42	49.03	-7.04	6.65	45.34	36.32
	5:2			-10.77	-0.68	49.58	46.62	ខ្ល				2.67	2.67	49.03	7.04	5.0°	45.5	38.57
• •	i			// 01-	9 G	\$0.00 \$0.00	45.62	0 1/0				70.0	0.0	200	5 6) c	7 5	28.67
	2.86		96 63.03		2 C	2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	40.64	, a				(O. C.	2.07	40.07	7 7	5. 5. 8. 8.	25. 56	38.67
				47.07.	9 4	9 00	45.32) (T			1.30	2.67	70.6	49.03	7.04	0.85	41.34	37,37
	06.4 05	000		14.01	9 9	9 9	48.62	2 6				2.87	2.67	49.03	7.04	-0.85	41.34	38.67
	200			1077	88.0-	49.58	46.62	, e				2.67	2.67	49.03	-7.04	68.0	45.35	38.67
	90.0			-10.77	5.63	5.58	46.62	32				2.67	2.67	49.03	-7.04	-0.65	41.34	38.67
	2.96			-10.77	-0.68	49.58	48.62	33				2.67	2.67	49.03	-7.04	-0.85	41.34	38.67
	1.75 2.96				-0.68	49.58	44.87	94			1,75	2.67	4.42	49.03	-7.04	-0.65	41.34	36.92
٠.					-0.68	49.58	46.62	35				2.67	2.67	49.03	-7.04	-0.65	41,34	38.67
	2.96			1.	-0.68	49.58	46.62	36				2.67	2.67	49.03	-7.04	-0.65	41.34	38.67
•	2.96				-0.88	49.58	46,62	37				2.57	2,67	49.03	-7.04	-0.65	4.1.34	38.67
	2.5				-0.68	49.58	46.62	38				2.67	2,67	49.03	-7.04	-0,65	4.34	38.67
	2.96				-0.68	49.58	46.62	99				2.67	2,67	49.03	-7.04	-0.65	41.34	38.67
	2.98				-0.68	49.58	46.62	Q :				2.67	2,67	49.03	47.04	က် လူ (၁)	41.34	20.02
	S. S.				မေ မေ မ	49.58	66.62	⊬ ¢ 4 <				2.67	6.0	20.04	4.7.	6.0. 6.0.	7 6	38.67
	2.96		٠.		90.00	0.0	70.07	N 6				20.0	o c	00.00	100	, c		38.57
					, c	2 d d	40.07	? \$			7,	0,0 0,0	, c	00.04 40.04	7.04	28.0	4.34	36.32
	08.50	4000	7.1 ol. 03.03	77.01.	9 6	49.58	48.52	· 67			•	2.67	2.67	49.03	7.04	0.65	41.34	38.67
υ c		:			88.0	49.58	46.62	9				2.67	2.67	49.03	-7.04	-0.65	45,14	38.67
	2.98	٠.			88.0	49.58	46,62	47				2.67	2.67	49,03		-0.65	41.34	38.67
	2.96				-0.68	49.58	46.62	Ψ Φ	:			2.67	2.67	49.03	- 1	0.65	41,34	38.67
	2.96				-0.68	49.58	46.62	4		-		2.67	2.67	49.03		-0.65	4.34	38.67
	2.8	:			-0.68	49.58	48.62	50	2,67 2,67 49,03			2.87	2.67	49.03	7.04	-0.65	41.34	38.67

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Capital Cost	Replace O.S.M.	Total	trioation	1	Flood Production	fatal	Banafit.	Year in	(ac) leginer	Partiage O & M	Interior	Preignation		Flood Production	Tatal	Senefit-
Dam Irrigation ment Cost		Š		ద	Foedone	Benefit	8	l sepio	Dam Irrigation ment Cost	neof Cost			å	Foedone	Benefit	8
11.68		11.68	i			0.0	-11.68	-			[-				9.0	-11.68
118.72		119.72			-0.25	-0.25	-119,97	~	119.72		119.72			-0.25	-0.25	-119.97
155.02		155.02	٠		-0.50		-155,52	ო	155.02		155.02			-0.50	-0.50	-155.52
117.49		117.49			-0.75	-0.75	-118.24	4	117.49		117.49	~		-0.75	0.75	-118.24
	28.83	28.83	79.99	13.67	-0.75	65.57	36.74	ιcη		28.42				-0,75	55.71	29.29
	28.83	28.83	111.99	19.14	-0.75	92.10	63.27	ဖ		26.42	42 26.42			-0.75	78.30	51.88
	28.83	28.83	127.99	-21.87	-0.75	105.37	76.54	7		26.42	42 26.42	108.00	0 -17.66	-0.75	89.59	63.17
	28.83	28.83	143.98	-24.61	-0.75	118.62	89.79	∞,		26.42	42 26.42	121.49		-0.75	100.88	74.46
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	o		26.42	42 26.42	-	9 -22.07	-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	0,		26.42	42 26.42	134,99		-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	t ~		26.42		Ψ-		-0,75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.88	103.06	4.		26.42	42 26.42	-		-0.75	112.17	85.75
		28.83	159.98	-27.34	-0.75	131.89	103.06	<u>ი</u>		26.42		•		-0.75	112.17	85.75
	6.75 28.83	35.58	159.98	-27.34	-0.75	131.83	96,31	4.		6.75 28.42	42 33,17	134.99	9 -22.07	-0.75	112.17	79.00
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.08	15		26.42		134,99	9 -22.07	-0,75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	16		26.42	42 26,42	134,99	9 -22.07	-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	17		26.42	42 26.42	134,99	9 -22.07	-0,75	112.17	85.75
	28.83	28.83	159.98	-27,34	-0.75	131.89	103.06	91		26.42	42 26.42	134.99	9 -22.07	-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	9		26.42	42 26.42	134.99	9 -22.07	-0,75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131,89	103,06	50		26.42		134,99	9 -22.07	-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	CV.		26.42		134.99	9 -22.07	-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.08	22		26.42	42 26.42	•		-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103,06	23		26.42	42 26.42	*-		-0,75	112.17	85.75
	6.75 28.83	35.58	159.98	-27.34	-0.75	137.89	96.31	24		6.75 26.42		-	٠	-0.75	112.17	79.00
	28.83	28.83	159.98	-27.34	-0.75	131.88	103.06	52		26.42				-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	26		26.42		-		-0,75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	31.89	103.06	27		26.42		,		0.75	1.2.17	65.75
		28.83	159.98	-27.34	-0.75	89. 10.	103,06	28				-	-	6.75	1.2.1/	85.75
	80.68 28.83	109.51	159.98	-27.34	-0,75	91.89	22.38	50		80.68 26.42	•	ν-		-0.75	1 2.17	5.07
	28.83	28.83	159.98	-27.34	-0.75	131.89	103,06	30		26.42		-		-0.75	1.2.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	31.89	103,06			26.42		•		-0.75	12.17	85.75
	28.83	28.83	159.98	-27.34	0.73	131.89	103.08	35		26.42		•	•	-0.75	112.17	85.75
		28.83	159.98	-27.34	-0.75	131.89	103.06	න ල				•		-0.75	1.2.17	85.75
	6.75 28.83	35.58	159.98	-27.34	-0.75	131.89	96.31	9. 4		6.75 26.42		-		-0.75	1.2.17	79.00
	28.63	28.83	159.98	-27.34	-0.75	131,89	103.06	32		26.42		•		-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	93,151	103.06	98		26.42		_		6.75	7.7	65.7
	28.83	28.83	159.98	-27.34	0.75	131.89	103.06	97		26.42		•		-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	-0.75	31.89	103.08	38		26.42		*		-0.75	12.17	85,75
	28.83	28.83	159.98	-27.34	-0.75	93.00	103.06	ස ප		26.42		•		-0.75	112.17	85.75
	28.83	28.83	159.98	-27.34	6.75	131.89	103.06	0 4		26.42			•	0.7	72.17	65.75
	28.83	28.83	159.98	-27,34	-0.75	31.89	103.06	4		26,42		•		-0.75	112.17	85.75
	28.83	28,83	159.98	-27.34	-0.75	131.89	103.06	42		26.42		•	•	-0.75	112.17	85,75
		28.83	159.98	-27.34	0.75	131.89	103.06	43		26.42		•	•	-0.75	112.17	85.75
	6.75 28.83	35.58	159.98	-27.34	-0.75	131.89	96.31	44		6.75 26.42	42 33.17	•		-0.75	112.17	79.00
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	45		26.42	42 26.42	•	9 -22.07	-0.75	112.17	85,75
	28.83	28.83	159.98	-27.34	-0.75	131.89	103.06	46		26.42	42 26,42	•		-0.75	1.2.17	85,75
	28.83	28.83	159.98	-27.34	0.75	131.89	103.06	47		26.42		•		-0.75	112.17	85,75
	28.83	œ.	159.98	-27.34	-0.75	131.89	103.06	4 8		26.42		-	•	-0.75	112.17	85.75
	28.83	28.83	159.88	-27.34	-0.75	131.89	103.06	Q.		26.42	56	•	•	-0.75	112.17	85.75
		000	150 00	27.76	0.75	131,89	103.06	C VO		CA 3C	42 28 42	134.99	9 -22.07	-0.75	1.2.7	85.75

					9					1				c			
Caoltal Cost	Replace-	0 8 M	Total	frigation	Flood P	Flood Production	Tatal	Benesit.	Year	Capital Cost Replace	Cost Solater O & M	Total	Irringtion	Shoe Production	Production	F State	Bonofir
Dam Irrigati	ment Cost	Cost	Sgst		Damage	Foegone	Benefit	Cost	Order	. 🖭				Damage	Foegone	Benefit	
<u>ෆ්</u>	29		3.67				0,00	-3.67		3.67		3.67				0.00	.3.67
44.72	27		44.72			, , , ,	, c. c5	-44.77	N 6	44.72		44.72			0.05	0.05	-44.77
		3.69	3,69	16.44	-2.23	, ý.	14.10	10,41	, 4		3.56		15.63	-2.06	, O	13.46	06.6
		3.69	3.69	23.02	-3.12	-0.11	49.79	16.10	ຜ		3.56		21.88	-2.88	0.11	18.89	15,33
		3.69	3.69	26.31	-3.57	0.11	22.63	18.94	9		3.56		25.01	-3.29	0,11	21.61	18.05
		3.69	3.69	29.60	-4.01	ò.11	25.48	21.79	7		3.56		28.14	3.70	-0.11	24.33	20.77
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	où		3.58	3.58	31.26	-4.11	-0.11	27.04	23.48
		9.69	3.69	32,89	-4.46	-0.11	28.32	24.63	თ		3.56		31.26	-4.13	.0.11	27.04	23,48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	1		3.56		31.26	-4.11	, 0.11	27.04	23,48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	11		3.56		31.26	-4.11	0.11	27.04	23.48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	21		3.56		31.26	-4.11	ó. 11.	27.04	23.48
	1,40	3.69	5.09	32,89	-4.46	ė,	28.32	23.23	<u>ო</u>		1.40 3.58		31.26	-4.11	ò.13	27.04	22.08
	÷	3.69	3.69	32.89	-4,46	6.4	28.32	24.63	4		3.56		31.26	-4.11	ó 1.	27.04	23,48
		3.69	3.69	32.89	-4,46	- 0 11	28.32	24.63	4. 83		3.56		31.26	-4.11	ó. 11	27.04	23.48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	9		3.56			14.11	ó. 11.	27.04	23.48
		3.69	3.69	32.89	-4,46	-0.11	28.32	24.63	17		3.56		31.26	-4.11	ò.11	27.04	23.48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	₩		3.56		31.26	-4.11	0.11	27.04	23.48
		3.69	3,69	32.89	-4.46	÷.	28.32	24.63	٠ 0		3.56		31.26	-4.11	0.11	27.04	23.48
		3.69	3.69	32.89	. A. 46	-0.11	28.32	24.63	8		3.56	3.56	31.26	-4.11	, O. 11	27.04	23.48
		3.69	3.69	32.89	-4.48	·0.11	28.32	24.63	21		3.56			-4,11	0.11	27.04	23.48
		3.69	3.69	32.89	-4.48	-0.11	28.32	24.63	22				31.26	-4.11	, 11.0	27.04	23.48
	1.40	3.68	9.09	32.89	-4.46	-0.1	28.32	23.23	80	-	1,40 3.56			'	0.13	27.04	22.08
		3.69	3,69	32.89	4.46	, o	28.32	24.63	24		3,58	3.56		'	o O	27.04	23.48
		3.69	3.69	32.89	4.46	-0, 1	28,32	24.63	52		3.56			-4.1	ç Ç	27.04	23,4B
		3,69	3.69	32.89	4.46	ç Ç	28,32	24.63	26		3.58			٠	ò (27.04	23.48
		3.69	9.60	32.89	4.46	-0.11	28.32	24,63	27					'	0.1	27.04	23.48
	27.84	3.89	31.53	32.89	-4.46	o 1.1 ₹	28.32	3.21	28	KV.	27.84 3.56	()		٠.	o o	27.04	-4.36
		3.69	3,69	32.89	4.46	ò.	28.32	24.63	58		3.56	3.56			Ó (27.04	23.48
		3.69	3.69	32.89	4.46		28.32	24.63	02.5		3.56			•	, ; ;	40.72	23.48
		3.69	3.69	32,89	94.40	- - -	28.32	24.63	. n		3,56	3.56		•	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	27.04	23.48
		3.69	3.69	32.83	4.46	-0.11	28.32	24.63	22.5					•	, ,	27.04	23.48
•	1.40	3.69	9.09 60.0	32.89	4.4	0-1	28.32	23.23	n n		7.40 3.56 8.56			•	5 6	40.72	80.08
		3.69	3.69	32.89	D (28.82	24.63	n c		0.00	00.0	90.10	- ·		7 . 6	20,40
		89.69	n 6	35.83) 	20 00	20.4.0	0 0		00.0				òç	27.70	4 4 4 4
		9 6	n 6	32.69	0 4	5 6	20.32	2 6 6	000		9,00			'	; ; ;	27.04	20.00
		9 6	000	0000	2 4	;	00.00	20.00	, a		9 4				, ;	40.70	22.69
:	-	0 0	200	90,00	9 4	· ·	20.00	24.43	9 6		9 50			•	9	27.04	23.48
		n 0	h d	9 0 0 0 0	9 4	ç	0.00	24.63	0.4		3.56			•	ç	27.04	23.48
		9 6	9 6	32 86	44.45	c	28.32	24.63	4		3.58				0	27.04	23.48
		9 6	99	32.89	4.6	ò	28.32	24,63	42		3.58				-0,11	27.04	23.48
•	1.40	3.69	5.09	32.89	-4.46	ó t	28.32	23.23	43		1.40 3.56			•	0 11	27.04	22.08
		3.69	3.69	32.89	4.46	0,11	28.32	24.63	44					٠	-0.11	27.04	23,48
		3,69	3.69	32.89	4.46	0	28.32	24.63	45		3,56				0.11	27.04	23.48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24.63	46		3.56	3.56	31.26	-4 11	0	27.04	23,48
		3.69	3.69	32.89	4.45	-0.11	28.32	24.63	47		3.56	6 3.56	31.26	:	0.11	27.04	23,48
		3.69	3.69	32.89	-4.46	-0.11	28.32	24,63	48		3.58	;		4 11	-0.11	27,04	23.48
		3,69	3.69	32.89	446	Ç	06 90	24.63	49		35.6	3.56	31.26	.4 11	-0.11	27,04	23.48
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Economic Cost and Benefit Flow for Lututan 1 P

Table 6.16 (7)

Cost Security Decrease Paris Bandel Cost Cost Bandel Decrease Cost Bandel Decrease Paris Cost		Cost			60	Bonafit					0.00				α	-		
Part	Capital Cost	1	Total	treination	Flood P	roduction	Tatai	Benefit-	Year in	Capital Cost	Renlare	X % C	:	rigation	200	i i i	Tatal	Ranatil.
82.73 68.82 68.73 7.0 68.82 68.73 62.73 62.73 62.73 62.73 62.83 62.73 62.73 62.73 62.83 62.73 6	Dam frrigation me	- 4	Cost	Benefit	Ö	Foegane	Benefit	Sost	Order	Irrigation	nent Cost	Š			amage		Banefit	Š
8276	6.82		6.82				0,00	-6.82	-	6.82			5.82				00:0	-6.82
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	82.76		82.76			.0.21	-0,21	-82.97	~	82.76			82.76			-Q. 21	-0.21	-82.97
11,773 11,73 62,81 04,82 52,81 4 10,70 10,70 10,73	82.71		82.71			-0,42	-0.42	-83.13	က	82,71			82.71			-0.45	-0.42	-83.13
11.72 11.73 <th< td=""><td></td><td>11.73</td><td>11.73</td><td>35.17</td><td>-0.81</td><td>ó.</td><td>33.94</td><td>22,21</td><td>4</td><td></td><td></td><td>10.70</td><td>10.70</td><td>27.35</td><td>-0.60</td><td>-0.42</td><td>26.33</td><td>15.63</td></th<>		11.73	11.73	35.17	-0.81	ó.	33.94	22,21	4			10.70	10.70	27.35	-0.60	-0.42	26.33	15.63
11.72 11.73 25.88 1.48 0.42 6.44 1.49		11.73	11.73	49.54	-1.13	4.0.	47.69	35.96	vo.			10.70	10.70	38.30	68.0	-6.42	37,05	26.35
11.72 11.73 70.28 14.8 70.28 14.8 7. 10.78 1		11.73	11.73	56.28	1.23	0.42	54.57	42.84	9			10.70	10.70	43.77	-0.95	-0.42	42.40	31.70
11.73 17.35 7.35 4.64 0.42 6.853 5.653 5 10.07 0.107 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 5 10 0.070 0.070 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 10 10 0.070 0.070 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 14 10 0.070 0.070 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 14 10 0.070 0.070 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 14 10 0.070 0.070 0.070 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 15 0.070 0.070 0.070 6.47 1.13 0.42 11.73 11.73 7.035 4.64 0.42 6.832 5.653 15 0.070 0.070 0.070 6.47 1.13 0.42 11.73 11.74 7.035 4.64 0.42 6.832 5.653 15 0.070 0.070 0.070 6.47 1.13 0.42 11.74 11.75 7.035 4.64 0.42 6.832 5.653 15 0.070 0.070 0.070 6.47 1.13 0.42 11.74 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 5.653 2.7 0.070 0.070 6.47 1.13 0.42 11.75 11.75 7.035 4.64 0.42 6.832 6.833 6.83 6.		11.73	11.73	63.31	4.	0.42	61.44	49.71	7			10.70	10.70	49.54	-1.07	-0.42	47.75	37.05
11.7.2 11.7.2 7.0.2 1.8.1 0.4.2 88.32 56.88 9 10.70 10.70 54.77 1.1.8 0.4.2 11.7.2 11.7.2 11.7.2 11.7.2 11.7.2 10.70 54.77 1.1.9 0.4.2 11.7.2 11.7.2 11.7.2 11.7.2 10.02 1.8.1 0.4.2 68.32 6.5.89 1.1 0.0.70 6.4.77 1.1.9 0.4.2 11.7.2 11.7.2 11.7.2 11.7.2 10.00 10.70 6.4.77 1.1.9 0.4.2 11.7.2 11.7.2 11.7.2 11.7.2 10.00 10.70 6.4.77 1.1.9 0.4.2 11.7.2 11.7.2 11.7.2 11.7.2 10.00 10.70 6.4.77 1.1.9 0.4.2 11.7.2 11.7.2 11.7.2 11.7.2 11.7.2 11.7.2 11.7.2 11.7.2 11.7.2 11.9.2 11.9.2 11.9.2 11.9.2 11.9.2 11.9.2 11.9.2 11.9.2 11.9.2 11.9.		11.73	11.73	70.35	-1.61	-0.42	68.32	56.53	co ·			10.70	10.70	54.71	1.19	0.42	53.10	42.40
11.77.2 11.77.2 70.56 1.68 0.42 66.88 1 1 10.70 10.70 54.77 1.19 0.42 18.89 66.88 1 1 10.70 10.70 64.77 1.19 0.42 11.72.3 11.72.3 70.56 1.48 0.42 68.59 1.4 1 0.70 64.77 1.19 0.42 11.72.3 11.72.3 70.56 1.48 0.42 68.59 1.4 0.70 10.70 64.77 1.19 0.42 11.72.3 11.72.3 70.56 1.4 0.42 68.59 1.6 0.42 68.59 1.6 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 1.19 0.42 </td <td></td> <td>11,73</td> <td>11.73</td> <td>70.35</td> <td>-1.61</td> <td>٥, 4,0</td> <td>68.32</td> <td>56.59</td> <td>o</td> <td></td> <td></td> <td>10,70</td> <td>10.70</td> <td>54.71</td> <td>-1,19</td> <td>-0.42</td> <td>53.10</td> <td>42.40</td>		11,73	11.73	70.35	-1.61	٥, 4,0	68.32	56.59	o			10,70	10.70	54.71	-1,19	-0.42	53.10	42.40
11.77.2 11.77.2 70.26 -1.61 -0.42 68.58 11 10.70 64.77 -1.19 0.04 11.77.2 11.72 11.72 11.72 10.70 10.70 10.70 64.77 -1.19 0.04 11.77.3 11.72 11.72 11.72 10.70 10.70 10.70 64.77 -1.19 0.04 11.77.3 11.72 10.26 -1.61 0.04 66.59 15.59 10.70 10.70 64.77 +1.19 0.04 11.77.3 11.72 10.26 -1.61 0.04 66.59 15.59 10.70 10.70 64.77 +1.19 0.04 11.72 11.72 10.26 -1.61 0.04 66.59 15.59 10.70 10.70 64.77 +1.19 0.04 11.72 11.72 11.72 11.72 10.70 61.77 11.19 0.04 60.20 66.59 11.70 10.70 64.77 +1.19 0.04 60.20 60		11.73	11.73	70,35	-1.61	0.42	68.32	56.59	10	٠		10.70	10.70	24.7	-1.19	-0.42	53.10	42,40
11.73 11.73 <th< td=""><td>-</td><td>11.73</td><td>11.73</td><td>70.35</td><td>-1.61</td><td>-0.42</td><td>68.32</td><td>56.59</td><td>1.</td><td>-</td><td></td><td>10.70</td><td>10.70</td><td>54,71</td><td>-1,19</td><td>-0.42</td><td>53.10</td><td>42,40</td></th<>	-	11.73	11.73	70.35	-1.61	-0.42	68.32	56.59	1.	-		10.70	10.70	54,71	-1,19	-0.42	53.10	42,40
11.73 11.86 70.35 -181 -0.42 88.23 65.54 13 0.62 11.9 0.02 0.02 0.42 0.83 65.54 13 0.62 0.62 13 0.62 13 0.62 0.62 14 10.70 10.70 6.77 -1.19 0.62 0.62 14 10.70 10.70 6.77 -1.19 0.62 0.62 11.73 10.70 10.70 6.77 -1.19 0.62 0.62 11.73 10.70 10.70 6.77 -1.19 0.62 0.62 10.70 10.70 10.70 6.77 -1.19 0.62 0.62 10.70 10.70 6.77 -1.19 0.62<		11.73	11.73	70.35	-1.61	0.42	68.32	56.59	12			10.70	10.70	54.71	-1.39	-0.42	53.10	42.40
11.73 11.73 70.25 -1.61 0.4.2 66.55 1.4 10.70 10.70 64.71 -1.18 0.4.2 11.73 11.73 70.25 -1.61 0.4.2 66.59 1.6 0.0 0.70 64.71 -1.18 0.4.2 11.73 11.73 70.25 -1.61 0.4.2 66.59 1.6 0.0 0.0 0.4.2 1.0 0.4.2 <td< td=""><td></td><td></td><td>14,68</td><td>70.35</td><td>1.81</td><td>-0.42</td><td>68.32</td><td>53.64</td><td>ი</td><td></td><td>2.95</td><td>10.70</td><td>13.65</td><td>54.71</td><td>-1.19</td><td>-0.45</td><td>53.10</td><td>39.45</td></td<>			14,68	70.35	1.81	-0.42	68.32	53.64	ი		2.95	10.70	13.65	54.71	-1.19	-0.45	53.10	39.45
11.73 11.73 77.32 77.32 7.53 4.54 6.65 6.65		11.73	11.73	70.35	-1.61	0.45	68.32	56.59	,			10.70	10,79	54.71	-1.19	-0.43	53.10	42.40
11.73 11.73 70.25 -1.61 -0.42 66.59 16 10.70 10.70 66.70 66.71 -1.19 -0.42 11.73 11.73 70.25 -1.61 -0.42 66.59 1.6 -0.42 10.70 67.71 -1.19 -0.42 11.73 11.73 70.25 -1.61 -0.42 66.59 1.6 -0.42 67.71 -1.19 -0.42 11.73 11.73 70.25 -1.61 -0.42 68.29 66.59 1.6 -0.70 10.70 67.71 -1.19 -0.42 11.73 11.73 70.25 -1.61 -0.42 68.29 66.59 2.7 -0.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 68.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.70 67.		11,73	11.73	70.35	.6	-0.42	68.32	56.59	15			10.70	10.70	54.71	-1.19	0 42	53.10	42.40
11.73 11.73 70.35 -1.64 68.32 58.59 17 10.70 10		11.73	11.73	70.35	-1.61	0.42	68.32	56.59	16			10,70	10.70	54,71	-1.19	-0.42	53.10	42,40
11.73 11.73 70.35 -1.61 -0.42 68.32 68.53 18 10.70 10.70 10.70 64.71 -1.19 -0.42 11.73 11.73 10.25 -1.61 -0.42 68.32 56.59 20 10.70 10.70 64.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 58.59 21 10.70 10.70 64.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 58.59 22 2.56 10.70 10.70 64.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 58.59 22 2.56 10.70 10.70 64.71 11.19 0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 58.59 22 2.56 10.70 10.70 64.71 11.19 0.42 11.73 11.73		11,73	11.73	70.35	-1.61	-0.42	68,32	56.59	17			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11.72 11.73 70.35 -1.6 -0.42 68.23 56.59 19 10.70 10.70 64.71 +1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.29 56.59 2.9 10.70 10.70 64.71 +1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.29 56.59 2.2 10.70 10.70 64.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.29 56.59 2.4 10.70 10.70 67.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.29 2.6 2.2 10.70 10.70 67.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.29 2.6 2.2 10.70 10.70 67.71 -1.19 -0.42 11.73 11.73 70.23 -1.61 -0.42 68.29		11.73	11.73	70.35	-1.61	-0.42	68,32	56,59	18			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11.73 11.73 70.35 1.61 0.42 68.32 56.59 2 10.70 10.70 64.71 1.19 0.04 11.73 11.73 11.73 11.73 11.73 10.35 1.61 0.42 68.32 56.59 2 10.70 10.70 64.71 1.19 0.42 11.73 11.73 10.35 1.61 0.42 68.32 56.59 2 10.70 10.70 64.71 1.19 0.42 11.73 11.73 10.35 1.61 0.42 68.32 56.59 2 0.04 0.42 60.42 0.42		11,73	11.73	70.35	-1.61	-0.42	68.32	56.59	9			16.70	10.70	54.71	6, 1.	-0.42	53.10	42.40
11.73 11.73 70.35 -1.61 -0.42 66.59 21 10.70 10.70 10.70 64.71 -1.19 -0.42 11.73 14.73 17.35 70.35 -1.61 -0.42 68.32 56.59 2 2.95 10.70 10.70 64.71 -1.19 -0.42 11.73 14.73 70.35 -1.61 -0.42 68.32 56.59 2.4 10.70 10.70 64.71 -1.19 -0.42 11.73 14.73 70.35 -1.61 -0.42 68.32 56.59 2.5 10.70 10.70 64.71 -1.19 -0.42 11.73 14.73 70.35 -1.61 -0.42 68.32 56.59 2.9 48.69 10.70 10.70 64.71 -1.19 -0.42 11.73 14.72 70.35 -1.61 -0.42 68.32 56.59 2.9 48.69 10.70 10.70 64.71 -1.19 -0.42 11.73 14.72		11.73	11.73	70,35	-1,61	0.42	68.32	56,59	20			10.70	10.70	54.71	-1.19	-0.42	53.10	42,40
11.73 11.73 70.35 -161 0.42 68.32 56.59 22 10.70 10.70 10.70 10.71 11.79 -0.42 11.73 11.73 11.73 11.73 10.36 -1.61 -0.42 68.32 56.59 24 10.70 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 11.73 10.73 0.42 68.32 56.59 24 0.70 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 11.73 10.73 0.42 68.32 56.59 27 0.07 10.70 10.70 10.42 0.42 11.73 11.73 10.35 -1.61 -0.42 68.32 56.59 27 0.07 10.70 10.70 10.41 0.42 11.73 11.73 10.35 -1.61 -0.42 68.32 56.59 30 0.07 10.70 10.70 10.71 0.71 0.72 0.42 <t< td=""><td></td><td>11.73</td><td>11.73</td><td>70.35</td><td>19:1-</td><td>0.42</td><td>68.32</td><td>56.59</td><td>21</td><td></td><td></td><td>10.70</td><td>10.70</td><td>54.71</td><td>-1,19</td><td>-0.42</td><td>53.10</td><td>42.40</td></t<>		11.73	11.73	70.35	19:1-	0.42	68.32	56.59	21			10.70	10.70	54.71	-1,19	-0.42	53.10	42.40
11.73 14.68 70.36 -16.1 -0.42 68.32 53.64 2.9 10.70 13.66 54.71 -1.19 -0.42 11.73 11.73 17.36 -1.61 -0.42 68.32 56.59 24 10.70 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.36 -1.61 -0.42 68.32 56.59 26 59 26 60.42 60.42 60.42 60.32 56.59 26 60.42 60.42 60.42 60.32 56.59 27 10.70 10.70 54.71 -1.19 -0.42 60.4		11.73	11.73	70.35	19:1-	-0.42	68.32	56.59	25			10.70	10.70	54.71	91.1-	-0.42	53.10	42.40
11.72 11.73 70.36 -1.61 -0.42 68.32 56.59 24 10.70 10			14.68	70.35	-1,61	0.42	68.32	53,64	53		2.95	10.70	13.65	54.71	61.1	-0.42	53.10	39.45
11.73 70.35 -1.61 -0.42 68.32 56.59 25 10.70 10.70 10.70 54.71 -1.19 0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 26 96			11.73	70.35	-1.61	-0.42	68.32	56.59	24			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11/73 11/73 70.35 -1.61 -0.42 68.32 26.59 26 10.70 10.70 54.71 -1.19 -0.42 11/73 61.35 1.61 -0.42 68.32 7.89 29 48.68 10.70 10.70 54.71 -1.19 -0.42 11/73 11/73 70.35 -1.61 -0.42 68.32 56.59 29 48.68 10.70 54.71 -1.19 -0.42 11/73 11/73 70.35 -1.61 -0.42 68.32 56.59 39 48.68 10.70 10.70 54.71 -1.19 -0.42 11/73 11/73 70.35 -1.61 -0.42 68.32 56.59 39 48.68 10.70 10.70 54.71 -1.19 -0.42 11/73 11/73 70.35 -1.61 -0.42 68.32 56.59 39 40.70 10.70 54.71 -1.19 -0.42 11/73 11/73 70.35 -1.61 <		11.73	11.73	70.35	-1.61	-0.42	68.32	56.59	52			10,70	10.70	54.71	-1.19	-0.42	53.10	42.40
11.73 11.73 70.35 -161 -0.42 68.32 56.59 27 48.69 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 29 48.69 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 30 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 30 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 31 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 34 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68		11.73	11.73	70.35	-1.61	.42	68.32	56.59	26			10.70	10.70	54,71	-1,19	-0.42	53.10	42.40
11.73 60.42 70.35 -161 -0.42 68.32 7.30 2.8 48.69 10.70 54.77 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 29 48.69 10.70 54.77 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 31 10.70 10.70 54.77 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 32 10.70 10.70 54.77 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 34 10.70 10.70 54.77 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56.59 34 10.70 10.70 54.77 -1.19 -0.42 11.73 11.73 70.35 -161 -0.42 68.32 56		11.73	11.73	70.35	-1.61	-0.42	68.32	56.59	27			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 29 10.70 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 31 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 31 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 34 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 34 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 37 10.70 10.70 54.71 -1.19 -0.42 11.73 10.35 -1.61 -0.42 68.32 56.59			60.42	70.35	1.61	-0.42	68.32	7.90	26		48.69	10.70	59.39	54.71	1.19	-0.42	53.10	-6.23
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 30 10.70 10.70 64.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 31 10.70 10.70 54.71 -1.19 -0.42 11.73 14.68 70.35 -1.61 -0.42 68.32 56.59 34 10.70 10.70 54.71 -1.19 -0.42 11.73 14.73 70.35 -1.61 -0.42 68.32 56.59 34 0.70 10.70 10.70 54.71 -1.19 -0.42 11.73 14.73 70.35 -1.61 -0.42 68.32 56.59 34 10.70 10.70 54.71 -1.19 -0.42 11.73 14.73 70.35 -1.61 -0.42 68.32 56.59 39 10.70 10.70 54.71 -1.19 -0.42 11.73 14.73 14.73 14.73 14.73		11.73	11.73	70.35	-1.61	-0.42	68.32	56.59	29			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 31 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 11.73 11.73 10.25 -1.61 -0.42 68.39 56.59 32 10.70 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 34 2.95 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 39 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73		11.73	11.73	70.35	-1,61	0.45	68.32	56.59	90			10,70	10.70	54.71	-1 19	-0.42	53.10	42.40
11.73 11.73 70.35 .161 .0.42 68.32 56.59 32 10.70 10.		11.73	11.73	70.35	-1.6	-0.42	68.32	56,59	31			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11.73 14.68 70.35 -1.61 -0.42 68.32 53.84 33 2.95 10.70 13.65 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 34 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 39 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42		11.73	11.73	70.35	-1.61	-0:42	68,32	56.59	32			10.70	10.70	54.71	-1.19	-0.42	53.10	42,40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 34 10.70 10.70 10.70 54.71 -1.19 -0.42 11.73 17.35 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 17.35 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 17.35 70.35 -1.61 -0.42 68.32 56.59 39 10.70 10.70 54.71 -1.19 -0.42 11.73 17.35 70.35 -1.61 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 11.73 17.30 10.72 10.70 10.70 54.71 -1.19 -0.42 11.73 17.31 70.35 -1.61 -0.42 68.32 56.59 41 10.70 10.70			14.68	70.35		-0.42	68.32	53.84	33		2.95	10,70	13,65	54.71	1.19	-C 42	53.10	39.45
11.73 70.35 -1.81 -0.42 68.32 56.59 35 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 37 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 42 10.70 10.70 <t< td=""><td></td><td>11.73</td><td>11.73</td><td>70.35</td><td></td><td>0.42</td><td>68.32</td><td>56.59</td><td>34</td><td></td><td></td><td>10.70</td><td>10.70</td><td>54.71</td><td>-1.19</td><td>-0.42</td><td>53.10</td><td>42,40</td></t<>		11.73	11.73	70.35		0.42	68.32	56.59	34			10.70	10.70	54.71	-1.19	-0.42	53.10	42,40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 36 10.70 10.70 10.70 54.71 -1.19 -0.42 68.32 56.59 37 10.70 10.70 54.71 -1.19 -0.42 68.32 56.59 37 10.70 10.70 54.71 -1.19 -0.42 68.32 56.59 39 10.70 10.70 54.71 -1.19 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 11.73 10.70 10.70 54.71 -1.19 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 10.42 68.32 56.59 41 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 10.70 10.70 54.71 -1.19 -0.42 10.42 68.32 56.59 41 10.70 10.70 54.71 -1.19 -0.42 10.42 68.32 56.59 44 43<		11.73	11.73	70.35	-1,61	0.42	68,32	56.59	35			10.70	10,70	54.71	-1.19	-0.42	53.10	42.40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 37 10.70 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 38 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 41 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 42 2.95 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 44 43 2.95 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73		11.73	11.73	70.35	-1.61	-0.42	68.32	56,59	36			10:70	10.70	54.71	.1.19	-0.42	53,10	42.40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 38 10.70 10.70 64.71 -1.18 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 39 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 47 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 47 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 45 2.95 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32		11.73	11.73	70.35	-1.61	-0.42	68,32	56.59	37			10,70	10.70	54.71	-1.18	-0.43	53.10	42.40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 40 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 41 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 42 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 44 3 2.95 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 44 45 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.		11.73	11.73	70.35	1,61	-0.42	68.32	56.59	38			10.70	10,70	54,71	-1.19	-0.42	53.10	42.40
11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 40 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 41 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 42 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 44 3 2.95 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 45 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 45 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42		11.73	11.73	70.35	-1.61	-0.42	68.32	58.59	Ö			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40
11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 41 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 42 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 44 2.95 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 45 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 45 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32 56.59 45 10,70 10,70 54.71 -1.19 -0.42 11,73 11,73 70.35 -1.61 -0.42 68.32		11.73	11,73	70.35	1.61	-0.42	68.32	56.59	40			10.70	10.70	54,71	1.19	-0 42	53.10	42.40
11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 42 10.70 10.70 54.71 -1.19 -0.42 11.73 14.68 70.35 -1.61 -0.42 68.32 53.64 43 2.95 10.70 13.65 54.71 -1.19 -0.42 11.73 14.68 70.35 -1.61 -0.42 68.32 56.59 44 0.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 <		11.73	11,73	70.35	1.61	-0.42	68.32	56,59	4.			10.70	10.70	54.71	1.19	-0.42	53.10	42.40
11.73 14.68 70.35 -1.61 -0.42 68.32 53.64 43 2.95 10.70 13.65 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 44 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 47 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 54.71 -1.19 -0.42 11.73 11.73 70.35 -1.61 -0.42 68.32 56.59		11.73	11,73	70.35	-1.61	-0.42	68.32	56.59	4			10.70	10.70	54,71	91.1-	-0.42	53.10	42.40
11.73 70.35 -1.61 -0.42 68.32 56.59 44 10.70 10.70 54.71 -1.18 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 46 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 49 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 50 10.70 10.70 54.71 -1.19 -0.42		•	14.68	70.35	-1.61	-0.42	68.32	53,64	4 60		2.95	10.70	13.65	54.71	1.19	0.42	53.10	39.45
11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 10.70 54.71 11.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 46 10.70 10.70 10.70 54.71 11.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 11.19 -0.42 11.73 70.35 11.61 -0.42 68.32 56.59 49 10.70 10.70 54.71 11.19 -0.42 11.73 70.35 11.61 0.42 68.32 56.59 50 10.70 10.70 54.71 11.19 -0.42		11.73	11.73	70.35	-1.61	-0.42	68.32	56.59	4			10,70	10.70	54, 71	1.19	-0.42	53.10	42.40
11.73 70.35 -1.61 -0.42 68.32 56.59 45 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 49 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 50 10.70 10.70 54.71 -1.19 -0.42		11.73	11.73	70.35	-1.61	-0.42	68,32	56.59	45			10.70	10.70	54,71	6 -	-0.42	53.10	42,40
11.73 70.35 -1.61 -0.42 68.32 56.59 47 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 49 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 50 10.70 10.70 10.70 54.71 -1.19 -0.42		11.73	11,73	70.35	-1.61	-0.42	68.32	56.59	4 0			10.70	10.70	54.71	6.	-0.42	53.10	42.40
11.73 70.35 -1.61 -0.42 68.32 56.59 48 10.70 10.70 54.71 -1.19 -0.42 11.73 70.35 -1.61 -0.42 68.32 56.59 49. 11.73 70.35 -1.61 -0.42 68.32 56.59 50 10.70 10.70 10.70 54.71 -1.19 -0.42		11.73	11.73	70.35	-1.63	-0.42	68,32	56.59	7.47			10.70	10,70	54.71	٠٢. ١	-0.42	53.10	42,40
11,73 70,35 -1,61 -0,42 68,32 56,59 49. 10,70 10,70 10,70 54,71 -1,19 -0,42 11,73 70,35 -1,61 -0,42 68,32 56,59 50 10,70 10,70 10,70 54,71 -1,19 -0,42		11.73	11.73	70.35	-1.61	-0.42	68,32	56.59	4			10.70	10.70	54.71	6,1,1	-0.42	53.10	42.40
11,73 70,35 -1,61 -0,42 68,32 56,59 50 10,70 10,70 10,70 54,71 -1,19 -0,42		11,73	11,73	70.35	-1.61	-0.42	68.32	66.59	64			10.70	10.70	54,71	6.	0.42	53,10	42.40
		11.73	11.73	70.35	-1.63	-0.42	68.32	56.59	50			10.70	10.70	54.71	-1.19	-0.42	53.10	42.40

Ĕ	IMH 27.96%					E	Pesa 10/6)	(1	-	IRR # 27.72%						- 1	(Unit: Peso 10/6)	_
		1			8 8	Sphefit	,					,			Banet	afit		
0	Den Irrigation ment Cost	Replace O & M	Cost	Benefit	Demage Damage	Prood Production	Benefit	Cost	order	Dam Irrigation ment Cost		3 ₹	rotal Cost	Ronafit	Flood Production		Tatal Renefit	Benefit
	1						0.00	-6.15	~				6.08			1	0.0	-6.08
	73.88		73.88			-0.12	-0.12	-74.00	Ŋ	73.16			73.18			-0.12	-0.12	-73.28
	73.85		73.85			-0.25	-0.25	-74,10	en	73.13			73.13			-0.25	-0.25	-73.38
		5.01	5.01	36.34	-1.85	-0.25	34.24	29.23	4			5.01	5.01	35.69	-1.84	-0.25	33.60	28.59
		5.01	5.01	50.87	-2.58	-0.25	48.04	43.03	មា			5.01	5.01	49.96	-2.57	-0.25	47.14	42.13
		5.01	0.	58.14	-2.95	-0.25	54.94	49,93	9			5.01	5.01	57.10	-2.94	-0.25	53.91	48.90
		5.01		65.41	-3.32	-0.25	61,84	56,83	7			5.01	5.01	64.24	-3.30	-0.25	69.09	55.68
		5.01		72.67	-3.69	-0.25	68.73	63.72	ю			5.01	5.01	71.37	-3.67	-0.25	67.45	62.44
		5,01		72.67	-3.69	-0.25	68.73	63.72	ø			5.03	5.01	71.37	-3.67	-0.25	67.45	62.44
		5.01		72.67	-3.69	-0.25	68.73	63.72	ç			5,03	5.01	71.37	-3.67	-0.25	67.45	62.4
		5.01		72.67	-3.69	-0.25	68.73	63.72	-			5.0	5.01	71.37	-3.67	-0.25	67.45	62.44
				72.67	9.69	-0.25	68.73	63.72	2			5.01	5.01	71.37	-3.67	-0.25	67.45	62.44
		3,09 5.01		72.67	-3.69	-0.25	68,73	60.63	د 9		3.09	5.04	8.10	71,37	-3.67	-0.25	67.45	59.35
		5.01		72.67	-3,69	-0.25	68.73	63.72	4			5,01	5.01	71.37	3.67	0.25	57.45	62.44
		5.01		72.67	-3.69	-0.25	68,73	63.72	ر 1		2.	5.01	5.01	71.37	-3.67	-0.25	67.45	62.4
٠		5.01		72.67	-3.69	-0,25	68.73	63.72	9			5.01	5.01	71.37	-3.67	-0.25	67.45	62.4
		5.01		72.67	-3,69	-0.25	68.73	63.72	17			5.01	5.01	71.37	-3.67	-0.25	67.45	62,44
	-	5.01		72.67	-3.69	-0.25	68.73	63.72	£ 80			5.01	5.01	71.37	-3.67	-0.25	67.45	62.4
		5.01		72,67	-3.69	-0.25	68.73	63.72	о .			5.01	5.01	71.37	-3.67	-0.25	67.45	62.4
	٠	5.01		72.67	3.69	-0.25	68.73	63.72	20			5.01	5.01	71.37	-3.67	-0.25	67.45	82.4
		5.01		72.67	-3.69	-0.25	68,73	63.72	2			5,01	5.01	71.37	-3.67	-0.25	67.45	82.47
		5.01		72.67	ଓଡ଼ି ଓ	-0.25	68.73	63.72	22			5.01	5.01	71.37	-3.67	-0.25	67.45	62.44
		3.09 5.01		72.67	-3.69	-0.25	68.73	60.63	23		3.09	5.01	9.10	71,37	-3,67	-0.25	67.45	59.35
		5.01		72.67	-3.69	-0.25	68.73	63,72	24			5.01	5.01	71.37	-3.67	-0.25	67.45	62.44
		5.01		72.67	-3.69	-0.25	68.73	63.72	25			5.01	5.01	71.37	-3.67	0.25	67.45	62.4
		5.01		72.67	99.6	-0.25	68.73	63.72	26			5.01	.0. .0.	71.37	-3.67	-0.25	67.45	62.44
					-3.69	-0.25	68.73	63.72	27				5.01	71.37	-3.67	-0.25	67.45	62.4
		20.25 5.01	N		-3.69	-0.25	68.73	43.47	28	٠	21.83		26.84	71.37	-3.67	9.52	67.45	40.6
		5.01		72.67	9.69	-0.25	68.73	63.72	53			5,01	5.01	71.37	-3.67	-0.25	67.45	62.47
		5.01	:	72.67	-3.69	-0.25	68.73	63.72	30			5.01	5.01	71.37	-3.67	-0.25	67.45	62.44
		5.01	:	72.67	-3.69	-0.25	68,73	63.72	E (5.0	501	71.37	-3.67	-0.25	67.45	62.44
				72.67	9.69	-0.25	68./3	63.72	N F		6	y (5.0	71.37	.3.6/	0.50	64.78	20.00
		3.09 5.01		72.67	69.69	-0.25	58.73	60.63	99 Y		30.0	5	9 10	73.77	3.67	0.25	0.4.10 0.4.10	C. S. S.
		5.01		72.67	n (0,000)	0.23	200	55.12	† ¥				5 6	/3.3/	2 0	, c	04,70	4.20
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		20,4		10.07	0 0	0.00	68 73	63.72	37			, v	0.00	71.37	-3.67	5 5	67.45	62 44
		5 6		72.67	0 6	-0.25	68.73	63.72	8			5.01	5.03	71.37	-3.67	-0.25	67,45	62.44
		5.03		72.67	-3.69	-0.25	68.73	63.72	000			5.01	5.01	71.37	-3.67	-0.25	67.45	62.44
		5.03		72.67	-3.69	-0.25	68.73	63.72	4 0			5.01	5.03	71.37	-3.67	-0.25	67.45	62.44
		5.01		72.67	-3.69	-0.25	68.73	63.72	4.			5.01	5.01	71.37	-3,67	-0.25	67,45	62.44
		5.01		72.67	-3.69	-0.25	68,73	63.72	42			50	5.01	71.37	-3.67	-0.25	67.45	62.44
		3.09 5.01	8.10		-3.69	-0.25	68.73	60.63	4 &		3.09		8,10	71.37	-3.67	0.25	67.45	58.35
		5.01	5.01	72.67	3.69	-0.25	68.73	63,72	44			5.01	5.01	71.37	-3.67	-0.25	87.45	62,44
		5.01	5.01	72.67	-3.69	0.25	68.73	63,72	45			5.01	5.01	71.37	-3.67	0.25	87.45	62.44
	ve.	5.01		72.67	-3.69	-0.25	68.73	63.72	46			20	5.01	71.37	-3.67	-0.25	67,45	62.44
	: :	5.01	٠	72.67	-3.69	-0.25	68,73	63.72	47	:		5.01	5.01	71:37	-3.67	0 25	67.45	62.44
		5.01	:	72.67	. 3.69	-0.25	68.73	63.72	φ 60			5.01	5.01	74.37	-3.67	-0.25	67.45	62.44
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	Banefit-	11.35	-138.02	-138,24	37.72	46.11	54.23	62.36	62.36	62.36	62.36	57.96	62.36	62.36	62.36	62.36	62.36	62.36	57.96	62.36	62.36	62.36 62.36	-6.49	62.36	62,36 62,36	62.36	57,96	62,36	\$2.36	62.36	62.36	62.36 62.36	62.36	62.36	57.96	62.36	52.38	62.36	62.35	62,36
11	Tatai	Benefit 0.00	-0.27	0.54	25.38 0.38	64,49	72.61	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80,74	80.74	80.74	80.74	80.74	80.74	80,74 80.74	80.74	80.74	80.74	80.74	80.74	80,74	80.74	80.74
Benefit	Flood Production	Foecone	-0.27	40.0	0.04 4.00	-0.54	-0.54	4.0.5	, c	-0.54	-0.54	6. 6. 48. 6.	-0.54	-0.54	0.54 4.84	-0.54	-0.54	0, 0 4, 0, 0	0.54	-0.54	0.54	, c	-0.54	-0.54	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	-0.54	-0.54 0.54	0.00 20.00	-0.54	-0.54	0.5	5.0°	-0.54	-0.54	-0.54	င် နှင့် နှင့် နှင့်	0.54	-0.54	-0.54	-0.54
Ä	Flood P	Osmago Osmago		,	-1.54	-1.87	-2.11	-2.34		-2.34	-2.34	2.34	-2.34	-2.34	-2.34	2.34	-2.34	2.34	2.34	-2.34	2.34	45.0	-2.34	-2.34	2.34	•	42.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.34		-	-2.34		-		-2.34 -2.34				-234
	Irrigation	Banefit		3	58.54	66.90	75.26	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83,62	83.62	83.62	83.62	83,62	83.62	83,52	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	83.62	23.53
	Total	11.35	137.75	137.70	4.00 0.00 0.00 0.00	18,38	18.38	18.38	18.38	18.38	18.38	22.78	18.38	18.38	80 g	18.38	18.38	26.38 8.38	22.78	18.38	18.38	0 00	87,23	18.38	1 8 .08 8 .08	18.38	22.78	8.38	18.38	18.38	18.38	18.38	18.38	18.38	22.78	86.38	18.38	18.38	18.38	20.00
Cost	10	nent Cost Cost		0	. 85 60 80 80 80	18,38	18.38	18.08 18.38	18.38	18.38		4.40 18.38	18.38	18.38	18.38	18.38	18.38	35. S.	4.40 18.38		18.38	10.00	68.85 18.38	18.38	18.00 18.00 18.00 18.00 18.00		4,40 18,38	18. 48. 18. 48.	18.38	18.38	18.38	00 00 00 00 00 00 00 00	18.38	18.38	4.40 18.38	18.38	18.38	18.38	18.38	800
2000	IOL	Dam Irrigation ment Cost	137.75	137.70									-																											
	Year in	Order	~	ωi ∗	t no	φ	7	დ , σ	, 2	· -	+	د د د م	15	6	<u>.</u> «	. č	5 20	. c	3 2	23.4	25	2 %	, 88 28	59	30	32	89 7	† 40 00	36	37	8 8	£ 4	4.	42	4 .	4 4	46	47	48	0.7
	Benefit-	Cost -11.35	-138.02	-138.24	50.66	60.88	71.10	81.32	81.32	81.32	81.32	76.92	81.32	81.32	81.32 52.52	81.32	81,32	81.32	76:92	81.32	81.32	20 C	12.47	81.32	81.32	81,32	76.92	81.32	81,32	81,32	81.32	81.32	81.32	81.32	76.92	81.32 32.33	81,32	81.32	81.32	01.00
0.00	Tatal	Banefit 0.00	-0.27	-0.54	71.01	81.23	91.45	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.87	101.67	101.67	101.67	101.67	101.67	101.87	101.67	101.67	101.67	101,67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	101.67	10.01
Benefit	Flood Production	Foegone	-0.27	-0.54	-0.54	-0.54	-0.54	0.54	0.54	-0.54	-0.54	-0.54 48.0-	-0.54	-0.54	45.0	-0.54	-0.54	9. c	-0.55 45.0	-0.54	45.0	, d	-0.54	-0.54	-0.54	-0.54	6,54 4,54	, , , , , , ,	-0.54	-0.54	0.54	5.0° 40.0°	-0.54	-0.54	45.0	40,0 44,0	-0.5 43.0	-0.54	-0.54	79 0
8 9	Flood P.	Damage		•	3 6. 1.	2.26	-2.55	-2.83	2.83	-2.83	-2.83	. 2. 83 8. 83 8. 83	2.83	-2.83	. 2.83 6.93	2.83	-2.83	60 c	.2.83	-2.83	2.83	, e	2.83	-2.83	,2,83 8,64	-2.83	,2,83 6,83	2.83	-2.83	2.83	.2.83	2 C	-2.83	-2.83	.2.83	, v,	2,83	,2.83	.2.83	0.00
					73.53	84,03	94.54	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	40.00	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04	105.04 105.04	105.04	105.04	105,04	105.04	105.04	105.04	105.04	70 07
		11.35	137.75	137.70	20.35	20.35	20.35	20.35	20.35	20.35	20.35	24.75	20.35	20.35	20.35	20.35	20.35	20.35	24.75	20.35	20.35	20.35	89.20	20.35	20.35	20.35	24.75	20.35	20.35	20.35	20.35	20.35	20.35	20.35	24.75	20.35	20.35	20.35	20.35	90.00
Cost	Replace O & M	nent Cost Cost		- 0 - 0	20.35	20,35	20.35	20.35	20.35	20.35		4.40 20.35	20,35	20,35	20,35	20.35	20,35	20.35	4.40 20,35	20.35	20.35	20,33	68.85 20.35	20.35	20.35	20.35	4,40 20,35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	4.40 20.35	20.35	20,35	20.35	20.35	36.00
100000000000000000000000000000000000000	ICH.	Dam Irrigation ment Cost	137.75	137.70																																				
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Lus	%c3 c7 : 0 a1	76526			Proposed	(Proposed Cropping Pattern	ittem A &	ô	300 · 414		L.	2007 11 - G G)	7807 11 - 0 0)		Œ.	roposed C	(Proposed Cropping Pattern	« С)	(i)	40,	
		}	Cost				B	Benefit	200				1	Cost				В	Benefit	i :	
Year in	O	Capital Cost Re	١.	N % O	Total	Irrigation	Flood P	Flood Production	Tetal	Benefit	Year in	Ö	Capital Cost Re	ı.	0 & M	Total	Irrigation	Flood Production	oduction	Tatal	Senefit-
Order	Dam	Dam Irrigation ment Cost	!	Cost	Cost		Damage	Foegone	Benefit	Cost	Order	Dam		1	Cost			Damage		Benefit	8
-	29.84	i			29.84				0.00	-29.84	+					27.96			ı	0.00	-27.96
o o	75.97	7.79			83.76			-0.22	0.55	-83.98	~ •	71.16	7.79			78.95			-0.22		-79.17
?) q	3.45.29	82.35 30			226,64			0, 6 8 4 6	6.43	-227.07	m ⊀	125,81	92.39			218,16			6.43		-218.59
t vo	200	2		5.31	5.53	52.52	4.0	, c	50.38	20.004	t va	0	90.50		5.09	00 G	41.81	11 17	, c	30.00	-200.73
ω				5.31	, 10 , 60 , 10	73.53	80	0.74	70.81	65.50	യ				5.03	80.0	58.54	1.64	27.0	56.18	51.00
7				5.31	5,31	84.03	-2.26	.0.74	81.03	75.72	7				5.09	5.09	66.90	1.87	-0.72	64.31	59.22
ω				5.31	5,3	94,54	-2.55	-0.74	91.25	85.94	8		÷		5.09	5.09	75.26	-2.11	-0.72	72.43	67.34
O)				5.31	5.31	105.04	-2.83	-0.74	101.47	98.16	თ				5.09	60.9	83.62	-2.34	-0.72	80.56	75.47
0				5.31	5.31	105.04	-2.83	-0.74	101.47	96.16	9				5.09	5.09	83.62	-2.34	-0.72	80.56	75.47
v- (5.0	105.04	, . 83.	-0.74	101.47	96.16	- 0				90.0 90.0	5.09 60.09	83.62	-2.34	-0.72	80.56	75.47
N E				0 v	9 rg	105.04	E 80	, ç	101.47	96.16 96.16	2 6				60.0	2 G	83.62	4 6 6	- Q. 78	80.55	75.47
4			4,40	5.31	9.71	105.04	-2.83	-0.74	101.47	91.76	4			4.00	5.09	9.09	83.62	-2.34	-0.72	80.56	71.47
15				5.31	5.31	105.04	-2.83	-0.74	101.47	96.16	15				5.09	5.09	83.62	-2.34	-0.72	80.56	75.47
9.				5.31	5.31	105,04	-2.83	-0.74	101.47	96.16	10				60'5	5.09	83.62	-2.34	-0.72	80,56	75,47
17				5.31	5.31	105.04	-2.83	-0.74	101.47	96.16	17				5.09	5.09	83.62	-2.34	0.72	80.56	75.47
ø				5.31	ις (ο)	105.04	2.83	4,74	101.47	96.16	ο (5.09	5.09	83.62	-2.34	-0.72	80.56	75.47
თ c					(O) 4	105,04	6, c	ó, 0	101.47	96.16	ຫຼຸດ - ເ				80,4	0 0 0 0	83.62	-2.34 4.50	0.75 4.75	80.56	75.47
				9 6	0 K	103.04	20.2	7,0,7	101.47	96.16	2 2				5.09	9 0	83.62	2.34	0.72	80.56	75.47
23				5.31	6.6	105.04	2.83	0.74	101.47	96.16	55				5.09	5.03	83.62	-2.34	-0.72	80.56	75.47
23				5.31	5,31	105.04	-2.83	-0.74	101.47	96.16	53				5.09	5,09	83.62	-2.34	-0.72	80.56	75.47
24			4.40	5.31	9,71	105.04	2,83	0.74	101.47	91.76	24			4.00	5.09	90.0 00.0	83,62	2.34	-0.72	80.56	71.47
52				5.31		105.04	2.83	, o	4.10	96.15	8 8				, c	ה ה ה	83.62	40.0	2,72	80,56	75.47
2 10				i c	, e	40.00 L	2.83	4 4	401.47	90.10	0 7 7				5.09	5.09	83.62	4 5 6 7	-0.72	80.08 50.08	74.07
2 8				5.9	8,9 9,63	105.04	2.83	0.74	101.47	96.16	28				5.09	5.09	83.62	-2.34	-0.72	80.56	75.47
58			2.60	5.31	7.9.7	105.04	-2,83	-0.74	101.47	93.56	29			2.70	5.09	7.79	83.62	-2,34	-0.72	80.56	72.77
ဓ္ဓ				5.31	5.31	105.04	-2.83	-0.74	101.47	96.16	30				5.09	5.09	83.62	-2.34	-0.72	80.56	75.47
<u>ب</u>				5.31	5,31	105.04	-2.83	0.74	101.47	96,16	ਲ ਹ				5.09	80.0	83.62	-2.34	-0.72	80.56	75.47
3 3				5.34	e) e	105.04	-2.83	, 74 7, 74	74.10.	96.16	2 6				80°4	5 C	83.52	2.34	0,72	30.58 50.58	75.47
9 E			4.40	5 Kg	7 6	105.04	20.07	.0.74	101.47	91.76	9 69 8 49			4,00	5.09	90.0	83.62	-2.34	0.72	80.56	71.47
32		٠	2	5.31	5.31	105.04	83	0.74	101.47	96.16	32				5.09	5.09	83.62	-2.34	-0.72	80.56	75.47
36				5.31	5.31	105.04	-2.83	-0.74	101,47	96.16	36				5.09	5.09	83.62	-2.34	-0.72	80.56	75,47
37				5.31	5.31	105.04	2,83	-0,74	101.47	96.16	37				80.0 60.0	80.0 0.0	83.62	-2.34	-0.72	80.56	75.47
8				5.31		105.04	2.83		74.10	96,16	ဆ ကိ				0. d	50°c	83.62	N . C	0 0	80.56	75.47
თ <				, v	ក្ត សំព សំព	105.04	50 K	o c	101.47	96.16	, 4 O				5.09	5.09	83.62	-2.34	0.72	80.56	75.4
, 4 5 t-				5.9	9 6	105.04	2.83	-0.74	101.47	96,16	. 1 4				5.03	5.09	83.62	-2.34	-0.72	80.56	75,47
4 0				5.31	5.3	105.04	-2.83	-0.74	101.47	96.16	45				5.09	5.09	83.62	-2.34	-0.72	80.56	75.4
<u>4</u> რ				5.31	5.31	105.04	-2.83	-0,74	101.47	95.16	4				5.09	5,09	83.62	-2.34	-0.72	80.56	75.4
4			4.40	5.31	9.71	105.04	-2.83	-0.74	101.47	91.76	4			4.00	5.03	9.09	83.62	-2.34	-0.72	80.56	71.4
45				5.31	5.31	105,04	-2,83	-0.74	101.47	96,16	4.5 5.				60°C	5.09	83.62	2.34	-0.72	80.56	75.4
9 1				5.31	5.31	105.04	2.83	0,74	101.47	96.16	4 4			٠,	00.00 00.00	5.09	83.62	-2.34	0.72	80.56	75.4
4 4 7 8 4 7	•			6, 6, 6, 6,	6, 8, 10, 11	105.04	2.83	0.74	101.47	9 6.18 86.18	4 4 48				5.03 5.03	5.09	83.62	-2.34	-0.72	80.56	75.4
t 4 0 0				5.31	5.3	105.04	-2.83	, Q	101.47	96,16	4				5.09	5.09	83.62	-2.34	-0.72	80.56	75.4
20				5.31	5.31	105.04	-2.83	-0.74	101.47	96,16	20				5.09	5.09	83.62	-2.34	-0.72	80.55	75.4

-	1RR = 8.00%						,	Unit: Peso 10º6)	§)	1	1RR= 5.72%	П						(Unit: Peso 10%)	(9
							Benefit								l. :		Benefit		
Year in Order	Capit Dam Irri	Capital Cost Replace		¥ 50 ⊗ 0	Total	irrigation Becali	Flood Production	Tatal	Senefit- Cost	Year in	Ca	Capital Cost Replace	_	≵ 8	Total I	Irrigation Repetit	Flood Production	Tatal	Benefit-
	1	2		ŝ	49.16	112100	ĺ	0.00	-49.16		ì				43.35		l	1	-43.35
	81.94	1.27	٠.		83.23			0.00	-83.21	61	72.25	1.27			73.52	:		0.00	-73.52
	114.72	14.88			129.60	4.34	-0.33	4.0	-125.59	က	101.15	14.88			116.03	2.93	-0.21	2.72	-113.31
	81.94	14.88			96.82	10.42	-0.80	9,62	-87.20	4	72.25	14.88			87,13	7.03	-0.49	6.54	-80.59
				4.38	4.38	25.01	-1.92	23.08	18.71	v).				3.96	3.96	15.88	-1.19	15.59	11.73
				4.38	4.38	31,54	-2.42	29.12	24.74	9 1			÷	3.96	900	21.28	-1.50	19.78	15.82
				4, 4 6, 0 9, 0	4 4 86. 0	35.67	-2.74	32.93	7G.55	~ 6				96.6	90.00 00.00	24.07	 	22.38	18.42
				4, 4 50, 60 50, 50	4, 4 50, 6	38.83	26.93 24.43	20.02 40.02 40.04	33.55	», о				9 9 9 9 8	ກ ເ ກັດ ກັດ	27.28		24.43	20.47
n C				, ¢	0 0	2 6	.d. /	0 0 0	33.78	9 =				96.5	. c.	60.72 00 70	96.	20.00	7 7 6
2 =				5 4 0 6	5 4 5 6 6 6	5. 14	3.17	38.16	33.78	2 =				3.96	96.6	27.89	0 00	25.00	70.10
				4.38	4.38	41.33	-9.17	38.16	33.78	. 64				3.96	3.96	27.89	-1,96	25.93	21.97
e				4.38	4.38	41.33	-3.17	38.16	33,78	۔				3.36	3.96	27.89	1.96	25.93	21.97
4			1.04	4.38	5.42	41.33	-3.17	38.16	32.74	4	-		1.04	3.96	5.00	27.89	-1.96	25.93	20.33
່ນ				4.38	4.38	41,33	-3.17	38.16	33.78	15				3.96	3.96	27.89	-1.96	25.93	21.97
9				4.38	4.38	41.33	-3.17	38.18	33.78	9				3.96	3.96	27.89	-1.96	25,93	21.97
				4.38	4.38	41,33	-3.17	38.16	33.78	17		-		3.96	3.96	27.89	-1.96	25.93	21.97
<u></u>				4.38	4.38	41,33	-3.17	38.16	33.78	∞ :				3.96	3.96	27.89	-1.96	25.93	21.97
بر ش د				4. z 6. c 60. c	4. / დ. ც	66.14	-3.17	63 64 60 64 60 64	33.78	gn (c				96.6	9 6	27.89	10 to	25.93	21.97
				1 4 0 6	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	33	.5.7.	38.16	33.78	3 5				3 96	9 6	27.89	1.96	25.93	75.57
22				4.38	4.38	41,33	-3.17	38,16	33.78	55				3.96	3.96	27.89	-1.96	25.93	21.97
23				4.38	4.38	41.33	-3.17	38.15	33.78	23				3.96	3.96	27.89	-1.96	25,93	21.97
24			1.04	4.38	5.45	41,33	-9.17	38.16	32.74	24			40.	3.96	5.00	27.89	-1.96	25.93	20.93
25				4.38	4.38	41,33	-3.17	38.16	33.78	25				3.96	3.96	27.89	3.96	25.93	21.97
56				4 . 80 .	4, 50 60, 6	41.33	3,17	38.16	33.78	10 K				900	ρ (n) (n)	27,89	957	25.93	21.97
27				4 4 80 0	86.4	41.33	/ T. 6. 7. 6	38.16	33.78 32.78	/ G				2 9 5 6	0 0 0 0 0	27.89	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	25,93	21.97
9 0			χ ς	, c	9 6	2 6	.3.47	38 48	33.23	0 00			55.0	96.6	, 4 , 5	27.89	96.	25.93	21.20
n C			3	4. 4. 0. 6.	t 4	41.33	3.17	38.16	33.78	2 6			2	3.96	3.96	27.89	96	25.93	21.97
9 6				90.	4 38	41,33	-3.17	38.16	33.78	3.5				3.96	3.96	27.89	-1.96	25,93	21.97
32				4.38	4.38	41.33	-3.17	38.18	33.78	35				3.96	3.96	27.89	-1.96	25.93	21,97
33				86.4	4.38	41.33	-3.17	38.16	33.78	83				3,96	9.0 9.0	27.89	-1,96	25.93	21.97
46			9	4.38	5.42	41.33	-3.17	38.16	32.74	4 6			40.	96.0	00.0	27,39	-1.96	25.93	20.93
00 G				4. 4 6. 6	4 W. c	50° 14	-3.17	38.16	33.78	ກຮ				0 0 0 0	20 W	27.89	38.	25,93	21.97
0 v 0 v				0 6	5 4 0 88	41.33	.647	38.16	33.78	9 6				3.96	3.96	27.89	98	25.93	21.87
38				4.38	4.38	41,33	-3.17	38.16	33.78	ထ				3.96	3,96	27.89	1.96	25,93	21.97
98				4.38	4.38	41,33	-3.17	38.16	33.78	38				3.96	3.96	27.89	1.96	25.93	21.97
40				4.38	4,38	41,33	-3.17	38.16	33.78	40				96.6	3.96	27.89	-1.96	25,93	21.97
41				4.38	4.38	41.33	-3.17	38.16	33,78	↑				3.96	3.96	27.89	-1.96	25.93	21.97
42				4.38	4.38	41.33	-3.17	38.16	33.78	4 5				3.96	3,96	27.89	-1.96	25.93	21.97
ტ დ			•	4, 4 80, 6	4. r 6	41,33	-3.17	38.15	55.78				č	96.0	(A) (A)	27.83	1.96	25,83	27.87
₹ ¥ ₹ ₹			50.	4. 4. 5. 6. 5. 6.	0 4 4 6 7 6	4. 4. 5. 1.4. 5. 6.0.	-3.17	38.38	33.78	4 4			<u>\$</u>	96.6) 96.6	27.89	0 0	25.93	21.97
4 t				4.38	4.38	41,33	-9.17	38.16	33.78	94				3,96	3,96	27.89	-1,86	25.93	21.97
7 4				88.	4.38	41,33	-3.17	38.16	33.78	47				3.96	3.96	27.89	-1.96	25,93	21.97
93				4,38	4.38	41,33	-3.17	38.16	33.78	8				3.96	3.96	27.89	-1.96	25,93	21,97
en en				4.38	4.38	41.33	-3.17	38.16	33.78	4				3.96	3.96	27.89	-1.96	25,93	21.97

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Table 6.16 (12) Economic Cost and Benefit Flow for Bagao 1 S

	IRE* 7.25%	7.25%			(Propose	(Proposed Cropping Pattern A.)	_	Unit: Peso 10^6	,,,	Ĺ.	188 = 5.73%	3%		(Prog	(Proposed Cropping Pattern B.)	oing Pattern		(Unit: Peso 10%)	
			Cost		ll		Benefit					O			1		Benefit		
Year In	Den	Capital Cost Replace-	apital Cost Replace-	. o s O si ∝	Total	Irrigation Benefit	Flood Production	Tatal	Banefit- Cost	Year.In	Seg	Capital Cost Replace-		0 & X X X S	Total Irriga Cost Re	Irrigation F	Flood Production	Tatal	Benefit-
	1				16.43		1	0.00	-16.43	-	1		1					8.0	-12.98
61	65.72	76.0			68.89			0.00	-86.69	5	51.94	0.97		2	52,91			0.00	-52.91
ი •	131.43	11.47			142.90		-	4,02	-138.88	en -	103.88	11.47		¥ :	115.35	2.71		2.71	-112.64
ŧ rc	0,0	4.		4.28	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	20 C		9,66	-116.82	4 1	58,08	11.47		10.	102.36	6.50		6.50	-95.86
co c				4.28		25.88		25.88	21.60	, vo			, ო			17.42		17.42	13.89
۲-				4.28		29.24		29.24	24.96				. 60			19,68		19.68	16,15
00)				4.28				31,79	27.51	ш			n			21,38		21.39	17.86
on.		٠.		4.28				33.53	29.25	o,			(r)			22.57		22.57	19.04
<u>o</u>				4.28				33.53	29.25	- -			eo '			22.57		22.57	19.04
- C				4.28			٠	33.53	29.25	9 (9 ((,			22.57		22.57	19.04
N 65				4.4	4 4	2 00 00 20 0		83,53 83,53	29.25	N E			,	5.55 5.53	9 00 00 00 00 00 00	22.57		22.57	19.04 40.04
+		-	0.91					33.53	28.34	- +			0.91			22.57		22.57	4 60
5								33.53	29.25	<u>ئ</u>		-				22,57		22.57	19,04
õ				4.28				33.53	29.25	. 9						22.57		22.57	19.04
17				4.28	•			33.53	29.25	11			(*)			22.57	-	22.57	19,04
(3)				4.28				33,53	29.25	18						22.57		22.57	19.04
о с				4.28			٠	33,53	29.25	ф (3.53 5.53		22.57		22.57	19.04
2 6				4 4	80.4	70.00 00.00 00.00		00.00 00.00	29.20	3 6						22.57		10.22	2.0
- (1)				4.28				33.53	29.25	5 23		-	, .,			22.57		22.57	19.04
23				4.28				33.53	29.25	23				3.53		22.57		22.57	19,04
24			0.91					33.53	28.34	24			0.91	3.53		22.57		22.57	18.13
25				4.28	4.28			33.53	29.25	5 5			()	3.53 6.73 6.7	3.53	22.57		22.57	19,04
2 6				4. A		33 63		00.00	20.00	2 6			,	2 60		22.57		22.57	200
- 82				4.28	4.28			33.53	29.25	, 8 7 8			, (,	3.53		22.57		22.57	19.04
62			0.61					33.53	28.64	58			0.61			22.57		22.57	18,43
30				4.28		•		33.53	29.52	30			.,			22.57		22.57	19,04
હ્યું				4.28				33.53	29.25	ر و د			., .	3.53		22.57		22.57	19.04
3 6				4. 4 3. 6	4 4	99.00		33.53	28.63	9 69 80 69 80 69			,	3.53	3.53	22.57		22.57	40,81
9 6			0.91					33.53	28.34	46			0.91	3.53		22.57		22.57	18,13
35				-				33.53	29.25	35			•	3.53		22.57		22.57	19.04
38				4.28				33.53	29.25	36			,	3.53		22.57		22.57	19.04
70 e				4,28	4.28	33,53		33.53	29.25	60 c				6.50 5.00 5.00 5.00 5.00 5.00 5.00 5.00	9 9 9 9 9	22.57		22.57	19.04
0 00				4.28				33.53	29.25	90			•	3.53		22.57		22.57	19.04
40				4.28				33,53	29.25	40			``	3.53		22.57		22.57	19.04
4.			-	4.28		-	* .	33,53	29.25	1			•	3.53		22.57		22.57	13.04
4				4.28				33.53	29.25	4.2		÷		3.53	,	22.57		22.57	19.04
\$							-	33.53	29.25	4				3.53		22.57		22.57	19.04
4			0.91				-	33.53	28.34	4			0.91	3.53		22.57		22.57	8.13
4. ru (•	-		4.28				33.53	28.25	Ç.				900	200	75.57		75.57	90.0
45				4 4	4, 4	33.53		00.00 00.00	29.25	4 4				3.53		22.57		22.57	9 6
. 00				4.28		•	:	33.53	29.25	48				3.53	•	22.57		22.57	19.09
49				4.28				33,53	29.25	4.9				3.53		22.57		22.57	19.04
20				4.28				33.53	29.25	50				3.53	3.53	22.57		22.57	19.04
																		•	1

	IRR = 39.04%	-) Indi	: Peso 1046	<u>و</u>	-	IRR = 28.49%						(Unit : Peso 1046)	\ 8 8
			Cost				Benefit									Вепе!	1.1	: :
Year In	Ø.	Capital Cost R	0	X.			a.	Tatal	Benefit-	Year in		Replace.	M S O	!		σ	`.	m.
Jepu ,	Dam Irric	Irrigation ment cost			180 S	Benefit Danage	e Foedone	Benefit	8	order Order	Dam Irrigation ment cost	ment cost	Š) (8)	Benefit D	Damage Foegone	ă	1
~ (80.50		ć	9 6			9 6	50.25	- C	2.69	;		5.00			8.5	
V 6		37.70	٠.	יה כי	25.75	30 1 87 7	u	20.0	36.72	N C	32.72			32.72	e u	a 2 - 2-	77.4	77.76. 7
় ব		1	**	11.49	11 49) - -	20.00	17.88	> ∢	31.70		7	10.14	26.70	-3.49	2.2	
10			- 7-		11.49			38.49	27.00	t vo				10.14	32.59	6 6	27.98	
ຸຜ					11.49			43.80	32.31	, co		•		10.14	37.09	-5.24	31.85	
					65		ຸທ	49.11	37.62	۸ د		- +-	41.0	10.14	41.59	-5,88	35.71	
. 00					11.49		ı ov	53,12	41.63	: - ao			0.14	10,14	44.98	-6.36	38.62	
6			*	`	1.49		ę,	53.12	41.63	Ø		-	10.14	10.14	44.98	-6.36	38.62	
Ď,			<u>;</u>		11.49		, cu	53,12	41.63	0		•		10.14	44.98	-6.36	38.52	
*-			-		11.49		23	53.12	41.63	#		-	0.14	10.14	44.98	-6.36	38.62	2 28.48
۲۷ ۲۷			=	11.49	11.49	63.34 -10.22	ę,	53.12	41.63	64			0.14	10,14	44.98	-6.36	38.62	
60			1,41	11.49	12.90		23	53.12	40.22	<u>გ.</u>		1.41	0.14	11.55	44,98	-6.36	38.62	
4			÷-	1.49	11.49		€.	53.12	41.63	4		*		10.14	44.98	-6.36	38.62	2 28.48
15			F	11.49	11.49		2	53.12	41.63	15		•	0.14	10,14	44.38	-6.36	38.62	
φ			;		11.49		~	53,12	41.63	16				10.14	44.98	-6.36	38.62	
				•	49		ດ່∵	53,12	41.63	12				10.14	44.98	-6.36	38.52	
00 1"			47.23 11		58.72		QJ ·	53.12	5.60			47.23		57,37	44.93	-6.38	38.62	•
co :			***	•	67.		OJ 4	53.12	41.63	e (•- •	4	10.14	44.98	-6.36	38.62	
8 8			- :		64.1	63.34 -10.22	N :-	53.12	47.63	S 7		- •	4 4	4 7 6	20.44	0.00 ac. ac.	38.02	26.45
- Z			- Y	•	n e	25.01- 10.56	u •	20.00	20.5	- c		- •		7 7 7	44 99	36.0	20.00	
y 6			1.41	64.11	12.90		4 6	53.12	40.22	1 0		1.41		11.55	44.98	-6.36	38.62	
2 4					4.49		i 0.	53.12	41.63	3 2				10.14	44.98	-6.35	38.62	
25			**		11.49		CJ.	53.12	41.63	25				10.14	44.98	-6.36	38.62	
28			£	1,48	11.49		્	53.12	41.63	26		•	0.14	10.14	44.98	-6.36	38.62	
27			•	•	11.49		8	53,12	41.63	27				10.14	44.98	-6.36	38.62	
28			19.55 13		31,04		&J	53.12	22.08	28		19.55		29.69	44.98	-6.36	38.62	
29			***	•	11,49		C4	53.12	41.63	29		-	0.14	10.14	44.98	-6.36	38.62	
30			F		14,49		ય	53.12	41.63	30		-	4.0	10.14	44,98	98.9	38.62	
31			Į.		11.49		CJ.	53.12	41.63	31	-	-	4,0	10.14	44.98	-6.36	38.62	
0 0			,		11.49		o '	53.12	41.63	0 (0 (Ç- 1	4 1	10.14	44.98	-6.36 0.06	38.62	28.48
e .			[] 		20.7	22.01- 40.50		20.00	22:04	n v		4.	1 7	0.00	000	0.0°	20.00	
55 C			- ‡	40	07.1		, .	2 6	50.14	ተ ዓ ን ሮ		•	7	40.14	44.98	92.9-	20.00	
n 96			. *		64.1		; A	53.12	41.63	9 60		•	4	10.14	44.98	-6.36	38.62	
0 E			-		1,49		ev.	53.12	41,63	37			41.0	10.14	44.98	-6.36	38.62	
. ao				•	11.49		c.	53.12	41.63	38		•	0,14	10,14	44.98	-6.38	38.62	٠.
ා ණ ස			****	·	11.49		2	53,12	41.63	39		***	0.14	10.14	44,98	-6.36	38.62	2 28.48
. 4 0			*-		11.49	63.34 -10.22	ر د	53.12	41.63	.04		-	0.14	10,14	44.98	-6.36	38.62	
4.			-		11,49	63.34 -10.22	ಬ	53.12	41.63	4		-	0.14	10,14	44.98	-6.36	38.62	2 28.48
4.2			-		11.49	63.34 -10.22	ę,	53,12	41.63	42		•	10.14	10.14	44.98	-6.36	38.62	2 28.46
. e			48.64 11		60.13	63.34 10.22	23	53,12	-7.01	43		48.64	10,14	58.78	44.98	-6.36	38.62	2 -20.15
44			Ţ	11.49 11	11.49		C)	53.12	41.63	44		**	0.14	10.14	44.98	-6.36	38.62	
45		٠	1.		11.49		8	53,12	41,63	45			10.14	10.14	44.98	-6.36	38.62	
46			=	•	11.49		CU.	53.12	41.63	46			10,14	10,14	44.98	-6,36	38.62	
4.7			F		11.49		ØI.	53.12	41.63	4.7	4	-	10.14	10.14	44.98	-6.35	38.62	
8			F		11,49		c.	53,12	41.63	4 80		*-	0.14	10.14	44.98	-6.36	38.62	
ф (3)			-	11,49 11	11.49	63.34 10.22	c	44	00 77	•		•		7.5.6	d o	40 C	20.00	άνας ας
									3	D i		•	2 1	1.5		200	10.00	

(continuation)

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Table 6.16 (14) Economic Cost and Benefit Flow for Pinacanauan 1 S

		8	Senefit	: Peso 10/6)	7		188= 55.96%	- 1				ď		(Unit: Peso 10/6)	-
Total Ire	15	Irrigation Fi	Flood Production	Tatal	Senetit.	Year in	Caoital Co	Capital Cost Replace	9- O & M	Total	Irrigation		Flood Production	Tatal	Senetit-
	~	إة	age Foedone	Benefit	Sost	Order	Dam Irrigatio	Irrigation ment cost				ä	Foegone	Benefit	Š
1.68				0.00	89.1	-	7	1.68		1.68				00'0	.1.68
38.30		6		00.0	-18.30	~ •	19.30	တ္ပ		19.30				00.0	-19,30
	·	17.04		17.04	0 0 0 4 1 1/2	m -			34.0		,			ο ο Ο ο	, d
	•	20.54		00.7-0	90.00	t u			24.0		7.07			207	4 . C.
		23.11		23.44	20.02	יט מ			i d	0 X					15.00 15.00 15.00
	LY	25.68		25.68	25.20) `			0.48		٠,			17.89	17.41
		25.68		25.68	25,20	. во			0.48				:	17,89	17,41
0.48	LY	25.68		25.68	25,20	ග			0.48		*	~		17,89	17.41
0.48	W	25.68		25.68	25.20	÷			0.48	0.48		~		17.89	17,41
	R	25.68	٠	25.68	25,20	11			0.48	0.48		т.		17,89	17.41
	83	25,68		25.68	24,60	12		09'0		1.08		m		17,89	16.81
	83	25.68		25.68	25.20	د ق			0.48			•		17,89	17.41
	53	25,68		25,68	25,20	14			0.48			on.		17,89	17,41
	22	25.68		25.68	25.20	15			0.48					17.89	17,41
	25.	25.68		25.68	25.20	ů.			0.48	0.48	•	ന		17.89	17,43
0.48 25.68	25	89		25.68	25.20	17			0,48	0.48		o.		17.89	17,41
	25	25.68		25.68	25.20	18			0.48	C.48		o,		17.89	17,41
0.48 25.68	25.	88		25.68	25.20	6.			0.48			m		17.89	17,41
	25.6	92		25,68	25,20	50			0.48	0.48				17.89	17.41
	25.6	88		25.68	25.20	21	٠		0.48		•	on.		17.89	17.41
	25.6	80		25,68	24.60	22		09.0	50 0.48	1.08		o		17.89	16.81
	25.6	80		25,68	25.20	23			0,48			o		17.89	17.41
	25.68			25.68	25.20	24			0.48			c h		17.89	17.41
	25.6	~		25.68	25,20	52	-		0.48		•	o.		17.89	17.41
	25.6			25.53	25.20	56						О		17.89	17.41
	g y	2 2		20.03	24.43	/ 2		//:0				Do (0 · r	0.0
	Ç Y	\$ 6 6		80.03	25,23	9 G			84.0			.		20.7.	E .
	0 G	20,00		45.58 50.58	25.20	7) A			84.0		- 1	3n (7.03	14.41
	ď t	25.58		90,02	25.20				24.0					901	7
2,48	0 8	70.00 00.00		20.02	25,20			Ċ			- •	n c		0 0	4.4.
	úē	00,00		35.00	24.00 20.00	v (*		s s	24.0	20.0	00//-	n c		00.7.	4 0
	Ý č	90.00		200	2 0	3 3			ž ,			n (1 -	
	Ç Y	n e		20,00	25.20	4 4			2.40			ה כ		0 0	1.7.
	N d	25.68		20.00	25.20	ກຸດ			24.0			5 0 (7.00	1 7 7
	N d	25.58	3 ,	00.00	2 0 0	1 Q			2 t			י פ		1.00	# * * * * * * * * * * * * * * * * * * *
	Ň, č	20,00		00.07	0 2 0 0	, d			D (n (00.7	****
	Vi i	20.02		0000	20.00	6 C			2. t			ņć		00.7	1 1
	V d	20.00		40.00 60.00	25,20	n (n (4 00	
٠	g i	25.03		20.00	200	4 ·			3 1			2 9		7.00	
	82	25.68		25.68	25.20	4 .		•			- '			20.0	
	22	25,68		25.68	24.60	4		o	0.60 0.48		•~			7.89	2
0.48 25.68	25.	88		25,68	25.20	4 ଅ			0.48			დე		17.89	7.41
0.48 25	52	25.68		25.68	25,20	4			0.48			9		17.83	17,41
0.48	Ω̈́.	25.68		25.68	25,20	45	. 5		0.48	3 0.48	8 17.89	œ		17.89	7.4
0.48		25.68		25.68	25.20	46	: .		0.48	8 0.48	17.89	6		17.89	17.41
0,48		25.68		25.68	25,20	47			0,48	8 0.48		ę,	•	17.89	17.41
0,48		25.68		25.68	25,20	4 8			0.48	8 0.48		6		17.89	17.41
0.48		25.68		25.68	25.20	49			0.48	8 0.48	37.	6		17.89	17.41
0,4		25.68		25.68	25.20	50			0.48	9.4	17.8	88		17.89	17.41

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L	IRR = 12.63%	2.63%		Propos	(Proposed Cropping Pattern	anem A) (Unit	: Peso 10 ⁴⁶		. L	18 B = 11.71%	.71%		2	200	(Proposed Cropping Pamerii B.)		(Unit : Peso 10/6)	-
			Cost			Benefit						Cost				Benefit		
Yearin	0		9ce- O		-	Flood Pr	Tatai	Banefit-	Year in	පි	Capital Cost Replace-					ď	Tatal	Benefit-
Order	E S	Irrigation me	ment cost Cost		st Benefit	Оатаде Foegone	Benefit	ğ	Order		Irrigation ment cos		Set	Sosi	Benefit	Damage Foegone	Benefit	Š
- N	37.33	130.23		167.58	en en		00.0	167.56	«	6,41 28,83	9.82		. 4	16.23	:		0 0	-16.23
l Ø	37.32	130.21		167.53	3 12.81	-0.71	12.10	-155.43	i es	28.83	120.12		÷.	148.95	10.38	-0.44	9 8 4	-139.01
4			13.85	•			38.60	24.75	4			÷		11.54	33.10	-1.40	31.70	20.16
ю.			13.85			2.90	49.67	35,82	vo :			4		11.54	42.60	1.80	40.80	29.26
1 W			13.85	35 13,85	5 59.72	3.29	56.43	42.58	(G)			- :		11.54	8 39	- 2.05	46.34	34.80
~ œ			13.85			-3.94	67.50	53.65	× 60	•			1,54	54	57.90	-2.45	55.45	40.35
o,	٠		13.85	-	·.	-3.94	67.50	53.65	O			-	***	1.54	57.90	-2.45	55.45	43.91
0		į	13,85	•		-3,94	67.50	53.65	0			÷		1,54	57.90	-2.45	55,45	43.91
. : I :			13.85			3.94	67,50	53.65	= :	-		÷		1.54	57.90	-2.45	55.45	43.91
N E			13.85	35 13.85	7 71.44	20 co	67,50	53.65	2 6			1.92	45,1	9.04	57.90	-2.45	55.45	43.91
<u> </u>						3.94	67.50	53.65	5 4			•		. 5. . 5.	57.90	-2.45	55,45	43.91
1.		-	13.85			-3,94	67.50	53.85	ιΩ T			+		.54	57.90	-2.45	55.45	43.91
16			13.85	***		-3.84	67.50	53.65	9-			•		11.54	57.90	-2.45	55.45	43.91
,			13.85	•		-3.94	67,50	53.65	17				•	2	57.90	-2.45	55,45	43.91
60 (F- 1			13.00 10.00 10.00	- '		49.6	67.50	53.65	œ ç			- 1	v •	40°	57.90	-2.45	55,45	4, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,
on (13,30	55 13.85 56 13.85	71.44	4 6	67.50	53.55	j) (- •	40°.	, Z	27.80	-2.45	55.45 45.45	4.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0
2 6			0.00 0.00 0.00 0.00			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	67.50	50.00 50.00	3 2			- ÷	-	54	57.90	-2.45	55.45	43.9
, °			13.85			40.00	67.50	53.65	22			•		1,54	57.90	-2.45	55.45	6.64
33			1.92 13.85	*		-3.94	67.50	51.73	23			1.92 1	*-	3.46	57.90	-2.45	55.45	41,99
24			13.85	-	5 . 71.44	3.94	67.50	53.65	24			-	1.54	1.54	57.90	-2.45	55.45	43.91
52			13.85	Ψ.	5 71.44	-3.94	67.50	53.65	52			Ţ	•	1.54	57.90	-2.45	55.45	43.81
56			13.85			3,94	67,50	53.65	36			-	-	1,54	57.90	-2.45	55.45	43.91
27						-3.94	67.50	53.65	27			- 1		1.54 1.54	57.90	-2.45	55.45	43.91
80 C			75.97 13.85	29.08 ct	44.17	\$ 00.00 \$ 00.00 \$ 00.00	57.50 67.50	23.32 80 68	20 G			1 02.80	40.4	80.74 31.54	57.90	54.5°	50.45 51.45	-25.29
N C			19.85			48.67	67.30	50.00 50.00 50.00 50.00	9 0			- ;-	-	5. 1. 2. 4.	57.90	-2.45	55.45	9 6 4
9 6			13.85	•		90.0	67.50	53.65	8 6			-	•	1.54	57,90	-2.45	55.45	0 0 0 0 0 0 0 0
32			13.85	Ψ-	5 71.44	-3.94	87.50	53.65	35			**	-	11.54	57.90	-2.45	55.45	43.91
99			1.92 13.85	-		49.64	67.50	51.73	ტ ტ			1.92		3,46	57.90	-2.45	55.45	41,99
34			13.85	35 13,85		40.00	67.50	53.65	დ (- 1		7.54	57.90	-2,45	55,45	43.97
35			13.85		71.44	, e. e.	67.50	53.65	0 W				t 4	į v	57.90	-2.45	55.45	n 0
5 C			13.85	,-		-3.94	67,50	53.65	37				•	1.54	57.90	2,45	55.45	43.91
88			13.85	•		-3.94	67.50	53,65	38			.	•	1,54	57.90	-2.45	55.45	43.91
39			13,85	•		3.94	67,50	53.65	39			-	•	1.54	57.90	-2.45	55,45	43.81
0.4			13.85	*- '		-9.94	67.50	53.65	0. i			·-	•	11.54	57.90	-2.45	55.45	43.91
4-			13,85			40.00	67.50	53.65 60.60	4 ·			-		20.	06.75	-2.45	00.40	43.91
4 ·			13.85	13.85 77.77	71.44	4 20	0 / 7 u	93.65 7.05	4. 4 21. G			60	40.5	1.04	57.90	0.4.4. 0.4.4.	55.45 75.45	43.93
4 . D .			20.0. 28.1			4.5.4.	20.70	7 C C A	. 4			٠,	·	2 4	20.70	, 2 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 4 . 5 . 5	4 5 5	. 4 9 9 9
4 4 4 4			13.85			3.94	67.50	53,55	. 2			· `	-	11.54	57.90	-2,45	55.45	43.91
5 10			13.85	•		-3.94	67.50	53.65	46			•		1.54	57,90	-2.45	55.45	43.91
1.7			13,85	,	5 71.44	-3.94	67.50	53.65	4			÷	•	1.54	57.90	-2.45	55.45	43,91
8			13.85	ξ. (C)		9.94	67.50	53.65	8 4			÷ .	•	3	57.90	-2.45	55.45	43.97
67			න 0 ල ද	.85 13.85 19.85	44.17	43.64	67.50	00'00 00'00	ים יליע				40.4	4 7 7	06.75	C4.2.	33.43	18 6 6 8 18 6 8
20						+>:>	,,,,	22:22	2								, , , ,	

Table 6.17 Economic Internal Rate of Returns for Irrigation Development Schemes

		مرون برون با من من من برون من		(Unit: %)
N	Vame of Scheme		Proposed Crop A&C	ping Pattern B&C
New I	rrigation Scheme			
(1) C	hico Mallig IP		15.7	12.9
(2) M	atuno RIP		12.4	10.1
(3) D	abubu RIP		19.5	17.2
(4) Zi	nundungan IEP		13.4	12.5
(5) A	lcala Amulung West IP		17.3	14.9
(6) Tu	uguegarao IP		19.4	18.7
(7) Li	ulutan IP		22.8	18.0
(8) Il	agan IP		28.0	27.7
(9) G	appal IP - Pump	gradus and gradus	20.2	16.2
	- Dam		13.5	11.4
<u>Rehab</u>	ilitation/Improvement	<u>Scheme</u>		
(1) D	ummun RIS		8.0	5.7
(2) Ba	aggao IS		7.3	5.7
(3) Sc	olana IS	4	39.0	28.5
(4) Pi	nacanauan IS	•	75.7	56.0
(5) Ti	umauini IS		12.6	11.7

Table 6.18 Farm Budgets of Irrigation Development Schemes

Table 6.15 (1) Farm Budget of Chico Mailig Irrigation Project

- Proposed Cropping Pattern B & C -

- Proposed Crapping Pattern A & C -

															- 017071
	Project	Project	mentai		Project	Project	memai		Project	Project	mental		Project	Project	mental
				-								-			
Total Area (ha)				Tobacco	2,570	4,800	2,230	1. Total Area (ha)				Tobacco	2,570	4.800	2,230
Paccy field	22,060	28,030	5,970	Vegetables		7,620		Paddy field	22,060	28,030	5,970	Vegetables		7,620	
Diversified croplan	3,170	3.170	0	Beans		2,800		Diversified croplan	3,170	3,170	0	Searts		2,800	
(पिथवा)	5,970	Ó	5,970	Peanuts	1,830			(Totat)	5,970	o	-5,970	Peanuis	1,830		
	31,200	31,200	0	Sweet potatoes	2,460					31200	٥	Sweet potatoes	2,460	٠	-
2. Harvested Area (ha)				Sugar cane	4,960			2. Harvested Area (ha)				Sugar cane	4,960		
Paddy - Wet season	22,060	28,030	5,970	•				Paddy - Wet season	22,060	28,030	5,970				
-Dry season	0	28.030	28,030	6. Gross Farm Income (1000 Pesos)	me (1000 Pa	503)		Dry season	0	28,030	28,030	6. Gross Farm Income (1000 Pesos)	76 (1000 Peg	(SO	
1	22.050	56.080	34 000	Padriv	177583	931 998	754.415	(Total)	22.060	58.060	34.000		177583	892.756	715.173
	7.800	5.070	2.730	Com	21,080	57,038	35.978	Corn	7.800	6,070	-2,730	E	21,060	57.038	35.978
Todacm	C	630	630	Tobacm	C	12 600	12.800	Tobacco	o	630	630	Tobacco	C	12,600	12 500
Vecetables		840	640	Vecetables	Ċ	30.784	30.784	Vecetables	0	640	640	Vecetables		30.784	30.784
Basine		000	20 520	Reane		130 847	439.857	0 00 00 00 00 00 00 00	0	1.590	590	Beans	c	23 812	23 612
Despits	9	0	630	Description	308		808	Peanuts	630	٥	-630	Peanuts	3.308	0	3.308
Custof notations	9 6	e c	. 001-	Swood notation			450	September 1999	100		100	Sweet potatoes	450	c	450
Sunar rang	200		000	Successions	ď	o c	10 10 10 10	Sugarcane	500	0	909	Sugar cane	10000		-5.655
Total	31.090	92.020	80,930	Total		į	1.264.221	Total	31,090	63,990	32,900	Total	1	1,016,790	808,734
												٠.			
Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000	Pesos)		Unit Yield (ton/ha)		٠.		7. Total Production Cost (1000 Pesos)	Cost (1000 F	esos)	
Paddy - Wet season	2.30	4.50	2,20	Paddy	71,254	304,686	233,432	Paddy -Wet season	2.30	4.10	1.80	Paddy	71,254	303,285	232,031
-Dry season		5.00		Com	11,700	23,322	11,622	-Dry season		5.00		Com	11,700	23,322	11,622
Com	06.0	3.75	2,85	Tobacco		3 024	3,024	Com	0.80	3.75	2.85	Tobacco	O	3,024	3,024
Tobacco	0.60	2.00	1,40	Vegetables		4 877	4,877	Tobacco	0.60	2,00	1.40	Vegetables	Ö	4,877	4,877
Vegetables		13.00		Bearis	0	82,936	82,936	Vegetables		13.00		Beams	0	4,452	4,452
Beans		1.50		Peanuts	1,153	0	-1,153	Beans		1.50		Peanuts	1,153	0	-1,153
Pearuts	0.70			Sweet potatoes	248	0	-248	Peanuts	0.70			Sweet potatoes	245	ဝ	-246
Sweet potatoes	5.00			Sugar cane	2,480	0	.2,480	Sweet potatoes	5.00			Sugar cane	2,480	0	-2,480
Sugar cane	39.00	,÷		Total	86,833	419,845	332,012	Sugar cane	39.00			Total	86,833	338,960	252,127
4. Unit Price (Peso/ton)				8. Flood Damaged Value (1000	Value (1000)	Pesos)		4. Unit Price (Peso/ton)				8. Flood Damaged Value (1000	alue (1000 P	Pesos)	-
, Appreca	9 800	3.500			•	22,105		Paddy	3,500	3.500			o	12.617	
Corn	3,000	3,000		•				Com	3,000	3,000		1			
Tobacco	10,000	10,000		9. Total Net Production Vatue (1000	ction Vatue (1	000 Pecos)	:	Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	tion Value (10	XXX Pesos)	
Vecetables	3,700	3,700			121,223	1,031,327	910,104	Vegetables	3,700	3,700			121,223	665,213	543,390
Beans	006,8	9,900		•				Beans	006'6	006'6					
Peanuts	7,500	7,500		10. Not Production Value per Ha (Peso/Ha)	Value per Ha	(Peso/Ha)		Peanute	7,500	7,500		10, Net Production Value per Ha (Peso/Ha)	Value per Ha	(Peso/Ha)	
Swart potatoes	900	006			3,885	33,055	29,170	Sweet potatoes	800	006			3,885	21,321	17,436
Sugar cane	290	290						Sugar cane	290	290	٠]			
				11. Irrigation Service Fee per Ha (Peso/ha)	ca Fee per h	la (Peso/ha)						11, ingation Service Fee per Ha (Pesorha)	e Fee par H	a (Pestorha)	
Unit Production Cost (Peso/ha)	(Peso/ha)			1	0	1,400	1,400	5. Unit Production Cost (Pesorha)	t (Pesorha)				٥	875	875
Paddy -Wel season	3,230	5,250	2,020					Paddy - Wel season	3,230	5,200	1,970	:	- 14	:	
Dry season		5,620		12. Not Farm Income per Ha (Pescha)	ne per Ha (Pi	scorha)		-Dry season	1	5,620	,	12, Net Farm Income per Ha (Fesoma)	e per Ha (Pe	soma)	4
		*			2000	21.000	27 776	EdG	1 500	4.600	 000		V.	20.446	15,561

Table 6.18 (2) Farm Budget of Matuno River Irrigation Project

· Proposed Cropping Pattern A & C ·

nem	Without	אאווע	Incre-	igen.	Without	With	Incre-	Item	MAILDON	With	incre-	ten E	Without	¥ith	incre-
	Project	Project	mental		Project	Project	mental		Project	Project	тепта		Project	Project	mental
1. Total Area (ha)				Tobacco	2,570	4,800	2,230	1. Total Area (ha)				Tobacco	2,570	6,800	2,230
Paddy field	11,050	11,050	0	Vegetables		7,620		Paddy field	11,050	11,050	0	Vegetables		7,620	
Diversified croplan	1,630	1,630	0	Beans		2,800		Diversitied croplan	1,630	1,530	0	Beans		2,800	
(प्राय)	12,680	12,580	0	Peanuts	1,830			(Total)	12,680	12,680	0	Peanuts	1,830		
-				Sweet potatoes	2,460							Sweet potatoes	2,460		
2. Harvested Area (ha)				Sugar cane	4,960			2. Harvested Area (ha)				Sugar cane	4,960		
Paddy -Wet season	11,050	11,050	0					Paddy -Wet season	11,050	11,050	0				
. Dry season	6,000	11,050	5,050	6. Gross Farm Income (1000 Pesos)	те (1000 Ре	(505)		-Dry season	6,000	11,050	5,050	6. Gross Farm Income (1000 Pesos)	ne (1000 Per	(sos	
Total)	17,050	22,100	5,050	Paddy	155103	367,413	212,310	(Total)	17,050	22,100	5,050	Paddy	155103	351,943	196,840
Com Com	2,970	2,610	-360	Com	8,910	29,363	20,453	Corn	2,970	2,610	-360	Con	8,910	29,363	20,453
Tobacco	0	930	330	Tobacco	0	6,600	6,600	Tobacco	0	330	330	Tobacco	0	6,600	6,600
Vecetables	0	320	320	Vegetables	a	15,392	15,392	Vegetables	0	320	320	Vegatables	0	15,392	15,392
Beans	0	11,870	11,870	Beans	O	176,270	176,270	Beans	0	820	820	Beans	0	12,177	12,177
Pearluts	320	Ö	-320	Peanuts	1,680	٥	-1,680	Peanuts	320	٥	-320	Peanuts	1,680	٥	-1,680
Sweet potatoes	90	0	-50	Sweet potatoes	225	O	-225	Sweet potatoes	90	٥	-50	Sweet potatoes	225	٥	-225
Sucar cane	o	ρ	٥	Sugar cane	o	0	0	Sugar cane	0	0	0	Sugar cane	O	٥	۵
Total	20,390	37,230	18,840	Total	165918	595,038	429,120	Total	20,390	26.180	5,790	Total	165918	415,475	249,557
ioit Yield (too/ha)			-	7. Youal Production Cost (1000 Pesos)	Cost (1000	Pesos)		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000	Pesos)	
Paddy -Wei season	2.30	4.50	2.20	Paddy	58,792	120,114	61,322	Paddy -Wet season	2.30	4.10	1.80	Paddy	58,792	119,561	60,769
Dry season	3.15	5.00		Com	4.960	12,006	7,046	. Dry season	3.15	5.00		Com	4,960	12,006	7.046
Com	1,00	3.75	2.75	Tobacco	0	1,584	1,584	Com	1.00	3.75	2.75	Tobacco	ю	1,584	1,584
Tobacco	0.60	2.00	1.40	Vegetables	0	2,438	2,438	Tobacco	09.0	2.00	1.40	Vegetables	0	2,438	2,438
Vegetables		13.00		Beans	0	33,236	33,236	Vegetables		13.00		Beans	0	2,296	2,296
Beans		1.50		Peanuts	588	ø	-586	Bears		1,50		Peanuts	586	0	-586
Peanuts	0.70			Sweet potatoes	123	O	-123	Peanuts	0.70			Sweet potatoes	123	0	-123
Sweet potatoes	5.00			Sugar cane	O	O	0	Sweet potatoes	5.00			Sugar cane	0	٥	
Sugar cane	39.00			Total	64,461	169,378	104,917	Sugar cane	39.00			Total	64,461	137,885	73,424
Unit Price (Peso/ton)	_			8. Flood Damaged Value (1000 Pesos)	Value (1000	Sesos)		4. Unit Price (Peso/ton)				8. Flood Damaged Value (1000		Pesos)	
Paddy	3,500	3,500		•	O	24,723		Paddy	3,500	3,500		.]	٥	14,201	
Com	3,000	3,000		•				Corn	3,000	3,000					
Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	ction Value (000 Pesos).		Tabacco	10,000	10,000		9, Total Net Production Value (1000 Pesos)	tion Value (1	000 Pesos)	
Vegetables	3,700	3,700			101,457	400,937	299,480	Vegetables	3,700	3,700	-	:	101,457	263,389	161,932
Sears	006,8	9,900						Beans	008'6	008'6			:	;	
Pearuts	7,500	7,500		 Net Production Value per Ha (Peso/Ha) 	Value per H.	(Peso/Ha)		Peanuts	7,500	7,500		10, Net Production Value per Ha (Peso/Ha)	value per Ha	(Peso/Ha)	
Sweet potatoes	906	006			8,001	31,620	23,619	Sweet potatoes	900	906		j	8.001	20,772	12,771
Sugar cane	290	290						Sugar cane	290	290			;		
				11. Irrigation Service Fee per Ha	ce Fee per h	=						11. Imgation Service Fee	e Fee per h	рег На (Реѕо/ћа)	
5. Unit Production Cost (Peso/ha)	(Peso/ha)			•	0	1,400	1,400	5. Unit Production Cost (Peso/ha)	t (Peso/ha)		-		٥	875	875
Paddy -Wet season	3,230	5,250	2,020	٠.	: :			Paddy -Wet season	3,230	5,200	1,970				
.Ory season	3,850	5,620		12. Not Farm Income per Ha (Peso/ha)	ne per Ha (F	eso/ha)		-Dry season	098'8	5,620		12, Net Farm income per Ha (Fesovia)	e per Ha (F	esovna)	•
					ď	2000	00000	E-60	100	7 800				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	17.890

(continuation)

Table 6.18 (3) Farm Budget of Dabubu Irrigation Project

- Proposed Gropping Pattern A & C -

Total	1. Total Area (ha) Paddy field Diversified croplan (Total) 2. Harvested Area (ha) Paddy -Wet season -Dry season Tobacco Vegetables Bears Sugar cane Tobacco Vegetables Sugar cane Tobacco Vegetables Sugar cane Tobacco Vegetables Bears Sweet potatoes Sugar cane Tobacco Vegetables Bears Peantus Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	550 550 550 1,000 1,000 1,000 0 0 0 0 0 0 0 0 0 0	Totacco	8	- ~
Find Second Companies	1. Total Area (ha) Paddy field Diversified croplan (Total) 2. Harvested Area (ha) Paddy -Wet season -Dry season Tobacco Vegetables Bears Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season -Dry season Corn Tobacco Vegetables Bears Fearuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	\(\frac{1}{2}\)		2,570 4.86 7,55 2,85 1,830 0es 2,460 4,960 lincome (1000 Pesos) 3,850 17,5 2,214 7,91 0 3,4 4,6 0 3,4 6,836 35,5 ction Cost (1000 Pesos)	- (4
1,000 0 1,000 0 2,000 0 1,000 0 1,000 0 1,000 0 0 0 0 0 0 0 0 0	1. Idial Area (ha) Paddy fale Diversified cropan (Total) 2. Harvested Area (ha) Paddy -Wet season - Dry season Corn Total Sugar cane Faddy -Wet season Corn Total 3. Unit Yield (tor/ha) Paddy -Wet season Corn Tobacco Vagetablee Boars Sweet potatoes Sugar cane 4. Unit Price (Pescoton) Daddy	A A A A A A A A A A A A A A A A A A A		2,570 4.86 7,62 0es 2,460 4,960 1000 Pescs) 3,850 17,5 2,214 7,94 3,00 4.8 0 3.4 472 0 3.4 10es 0 6,836 35,51	- (4
1,000 Padoy fision Padoy fisio	Paddy field Diversitled croplan (Total) 2. Harvestod Area (ha) Paddy -Wet season - Dry season Corn Tobacco Vegetables Bears Sweet potatoes Sugar cane Tobacco Vegetables Boars Com Tobacco Vegetables Boars Peanute Sweet potatoes Sugar cane Tobacco Vegetables Boars Peanute Sweet potatoes Sugar cane 4. Unit Price (Pescoton)			7,552 2,460 4,960 Income (1000 Pesos) 3,850 17,5- 2,214 7,94 300 4,8- 0 3,4- 472 Inces 0 3,4- 6,836 35,5:	- (V
1,000 Care	Diversified croplan (Total) 2. Harvestod Area (ha) Paddy -Wet season -Dry season (Total) Com Tobacco Vegetables Beans Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season -Dry season Com Tobacco Vegetables Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	A A A A A A A A A A A A A A A A A A A		2.80 0es 2,460 4.960 Income (1000 Pesos) 3.850 17,5 2.214 7,9 2.214 7,9 0 3.4 472 0 3.4 472 10es 0 6.836 35,5;	- 6
1,000 6 Peanuts 1,830 550 550 6 Gross Farm frome (1000 Peacs) 1,100 600	2. Harvestod Area (ha) Paddy -Wet season Dry season Total Com Total Com Vegetables Bears Paanuts Sweet potatoes Sugar cane Tobacco Vegetables Dry season Ory season Com Tobacco Vegetables Bears Paddy -Wet season Ory season Com Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)			1,830 4,960 4,960 Income (1000 Pesos) 2,214 7,94 300 1,86 0 3,4 4,8° 0 4,8° 0 5,4 4,8° 0 6,4 4,8° 0 6,4 4,8° 0 7,4 4,8	-
Sweet potatoee 2,460 Sugar cane 4,960 Sugar cane 4,960 Sugar cane 4,960 Sugar cane 4,960 Sugar cane Com Co	2. Harvested Area (ha) Paddy -Wet season -Dry season Corr Tobacco Vegetables Bearre Pearutis Sweet potatoes Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season Corr Tobacco Vegetables Bears Fearutis Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	N N		oes 2,460 4,960 Income (1000 Pesos) 3,850 17,5- 2,214 7,94 3,4-8- 1068 0 3,4- 1068 0 3,4-	- (%
1,100 500 Paddy -Wer season Total 1,100 500 Paddy 2,214 2,774 Com Total 1,00 100 Vegetables 0 4,810 4,810 4,810 Com Total 2,100 1,320 Paddy Paddy Paddy Paddy 2,760 1,320 Paddy Paddy Paddy Paddy -Wer season 2,760 1,320 Paddy Paddy Paddy Paddy -Wer season 2,760 1,320 Paddy Paddy Paddy -Wer season 2,00 1,40 Vegetables 0 0 0 Sugar cane 3,500 1,40 Vegetables 0 2,184 2,184 Paddy -Wer season 3,500 1,40 Vegetables 0 0 Paddy 3,500 1,40 Vegetables Paddy 4,50 1,40 Vegetables 0 0 Paddy 5,000 1,40 Vegetables Paddy 6,000 1,40 Vegetables Paddy 7,500 1,40 Vegetables Paddy 8,700 Paddy Vegetables Paddy 9,000 1,40 Vegetables Paddy 1,500 1,40 Vegetables Vegetables 1,500 1,40 Vegetables Vegetables 1,500 1,40 Vegetables Vegetables 1,500 1,40 Vegetables Vegetables 1,500 1,40 V	2. Harvested Area (ha) Paddy -Wet season - Dry season (Total) Com Tobacco Vegetables Beans Sweet potatoes Sugar cane Tobacco Vegetables Baddy -Wet season - Dry season - Dry season Com Tobacco Vegetables Beans Peanute Sweet potatoes Sugar cane 4. Unit Price (Pescoton)			1000 Pescs) 3.850 17,5. 2.214 7,98 3.850 17,5. 4.8 0 4.8 0 3.4 472 1065 0 0 8.4 100 065 (1000 Pescs)	- ~
1,100 Paddy - Wet season	Paddy -Wet season - Dry season (Total) Corr Tobacco Vegetables Bearrs Sweet potatoes Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season - Dry season Com Tobacco Vegetables Bearrs Peanute Sweet potatoes Sugar cane 4. Unit Price (Pescnton)	4	- ,	Income (1000 Pesos) 3.850 17.5 2.214 7.93 3.00 1.86 0 3.4 472 loes 0 6.836 35,5:	← (%
1,100 600 Paddy 3,850 18,288 14,438	Com Tobacco Vegetables Bearuts Sweet potatoes Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season -Dry season Com Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	N. C.		Income (1000 Pescs) 3.850 17.5- 2.214 7.93 3.00 1.84 6.836 6.836 14.85 16.836 17.85 18.95 19.95	←
1,100 500 72,214 7,988 5,774 7,043 7,1043	Com Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar cane Total 3. Unit Yield (towha) Paddy -Wet season Corn Tobacco Vegetables Bears Feanuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	N T	•	3850 17,51 2.214 7,98 300 1,88 0 4,81 0 3,4* 472 0 3,4* 472 0 3,4* 6,836 35,51 ction Cost (1000 Pescs)	F (V
1,100 100 1,200 1,200 1,500 1,500 1,500 1,000 1,500	Com Tobacco Vegetables Beans Sweet potatoes Sugar cane Total 3. Unit Yield (torvita) Paddy -Wet season -Dry season -Dry season Com Tobacco Vegetables Beans Peanute Sweet potatoes Sugar cane 4. Unit Price (Pescrton)	A TOTAL	<u>.</u>	3.250 17,30 2.214 7,30 3.00 4.8 472 3.4 472 0.8 0 3.4 6.836 35,51	-
710 -110 Com 2.214 7.988 5.774 Com 100 com 100 (1,500 Tobacco 100 Com 1,500 Total Production Cost (1000 Pescs)	Tobacco Vegetables Bearnts Sweet potatoes Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season -Dry season Com Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	A		2,214 7,98 300 1,87 0 4,81 0 3,41 472 0 3,41 6,836 35,51 ction Cost (1000 Pescs)	~
100 100 15	Tobacco Vegetables Bearrs Pearnts Sweet potatoes Sugar cane Total 3. Unit Yield (towha) Paddy -Wet season Corn Tobacco Vegetables Bears Pearnts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	\(\delta\)		300 1,86 0 4.8; 0 3.41 472 0 0 6,836 35,5; ction Cost (1000 Pescs)	~
100 Vegetables 0 4,810 4,810 Vegetables 780 780 Bears 72 0 -472 Pearsts 0 -30 Pearsts 472 0 -472 Pearsts 0 0 Sweet potatoes 0 0 0 0 Sugar cane 0 0 0 Sweet potatoes 0 0 Sweet potatoes 0 0 0 1,320 Total Production Cost (1000 Pesos) 37,833 Total Pearsts 1,50 2.85 Total Pearsts 152 303 Com	Vegetables Bears Pearnts Sweet potatoes Sugar cane Total 3. Unit Yield (torvha) Paddy -Wet season -Dry season Corn Tobacco Vegetables Bears Pearnts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	N V V V V		0 4.81 472 0 3.41 0 0 0 0 6.836 35,5; ction Cost (1000 Pescs)	(V
780 780 98anuts 472 0 11,583 11,583 Paanuts 0 -90 Peanuts 472 0 0 0 Sweet potatoes 0 0 Sugar cane 0 0 0 Sweet potatoes 0 0 0 0 0 0 Sweet potatoes 0 1,320 1,545 5,978 4,434 Paddy -Wer season 2,780 2,30 Paddy 1,230 3,266 2,036 Orn 3,75 2,85 Tobacco 12,87 4,434 Paddy -Wer season 1,50 Beanuts 1,65 3,78 4,434 Vegetables 1,50 Beanuts 1,65 0 0 0 Dry season 1,50 Beanuts 165 0 0 0 Sweet potatoes 1,50 Beanuts 16,62 0 0 0 Sweet potatoes 1,50 Sugar cane 0 0 0 <td>Beans Sweet potatoes Sugar cane Total 3. Unit Yield (torvita) PaddyWet seasonDry season Com Tobacco Vegetables Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescrton)</td> <td>N</td> <td></td> <td>0 3.41 472 0 0 6.836 35,5:</td> <td>No.</td>	Beans Sweet potatoes Sugar cane Total 3. Unit Yield (torvita) PaddyWet seasonDry season Com Tobacco Vegetables Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescrton)	N		0 3.41 472 0 0 6.836 35,5:	No.
2.780 1,320 Peanuts 472 1,503 1,503 Peanuts 5 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0	Parants Sweet potatoes Sugar cane Total 3. Unit Yield (torvha) Paddy -Wet season Corn Tobacco Vagetablee Boars Pearuts Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	:		472 0 0 6,836 35,5; ction Cost (1000 Pesos)	los
1,320 Peanuts 472 0 -472 Peanuts 5,356 1,320 Total Production Cost (1000 Peacos) 3,000 Total Production Value (1000 Peacos) 3,000 Total Net Production Value (1000 Peacos) 12,623 9,554 Sweet potatoes 12,600 Total Net Production Value (1000 Peacos) Total Peacotton Value Val	Sugar cane Sugar cane Total 3. Unit Yield (torvha) Paddy -Wet season -Ory season Corn Tobaco Vegetables Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescuton)	÷		6,836 35,5;	144
2,780 1,320 Total Production Cost (1000 Pesos) 4,50 2.30 Paddy 1,545 5,978 4,434 Peddy-Wet season 1,240 Peddy-Wet season 1,240 1,400 Pesos 1,40 Peanurs 1,50 Beans 1,50 Beans 1,50 Peanurs	Sweet potatoes Sugar cane Total 3. Unit Yleid (torvita) Paddy -Wet season -Dry season Com Tobacco Vegetables Beans Peanute Sweet potatoes Sugar cane 4. Unit Price (Pescrton)	:		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
2,780 1,320 Total Production Cost (1000 Pescos) 4,50 2.30 Paddy 1,545 5,979 4,434 Paddy-Wet season 1,250 Com 1,230 3,266 2,036 Com 0, vegetables 0 7,62 Tobacco 139 Peanus 1,50 Peanus 1,5	Sugar cane Total 3. Unit Yield (tor/ha) Paddy -Wet season Carn Carn Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar care 4. Unit Price (Pescoton)	1		6,836 35,57	(4)
2,760 1,320 Total Fooduction Cost (1000 Pesos) 4.50 2.30 Paddy 1,545 5,979 4,434 Paddy-Wet season 5.00 Corm 3.75 2.85 Tobacco 1,29 432 303 Corn 1,20 1,40 Vegetables 0 2,184 2,184 Vegetables 1,50 1,40 Vegetables 0 2,184 2,184 Vegetables 1,50 2,80 1,40 Vegetables 0 0 0 0 Peanuts 2,00 1,40 Vegetables 0 0 0 0 Peanuts 2,00 1,40 Vegetables 0 0 0 0 Peanuts 3,00 1,40 Vegetables 0 0 0 0 Peanuts 2,00 1,40 Vegetables 0 0 0 0 Peanuts 3,50 1,40 Vegetables 0 0 0 0 Peanuts 3,50 2,50 1,40 Vegetables 0 0 0 0 Peanuts 3,50 2,50 1,40 Vegetables 0 0 0 0 Peanuts 3,50 2,50 1,50 Pesos) 3,70 2,60 1,40 Production Value (1000 Pesos) 3,70 3,70 10. Net Production Value per Ha (Peso/Ha) Peanuts 3,70 3,70 10. Net Production Value per Ha (Peso/Ha) Peanuts 3,70 3,70 2,70 10. Net Production Value per Ha (Peso/Ha) Sweet potatioes 3,70 3,70 3,70 2,70 10. Net Production Value per Ha (Peso/Ha) Sweet potatioes 3,70 3,70 3,70 3,70 5,0 10. Net Production Service Fee per Ha (Peso/Ha) Sweet potatioes 3,70 3,70 5,0 10. Net Production Value per Ha (Peso/Ha) Sweet potatioes 3,70 5,0 10. Net Production Value per Ha (Peso/Ha) Sweet potatioes 3,70 5,0 10. Net Production Value per Ha (Peso/Ha) Sweet potatioes 3,70 5,0 1,4	Total 3. Unit Yleid (tor/ha) PaddyWet seasonDry season Corn Tobacco Vegetables Beans Peanute Sweet potatoes Sugar cane 4. Unit Price (Pescoton)	: 		6,836 35,50 alon Cost (1000 Pesas)	(4
4.56 2.30 Paddy 1,545 5,979 4,434 Paddy-Wer season 5.00 Com 1,545 5,979 4,434 Paddy-Wer season 5.00 Com 1,230 3,266 2,036 Conn 2.00 1,40 Vegerables 0 762 Tobacco 13.00 Beans 0 2,184 2,184 Vegerables 1.50 Beans 0 2,184 Vegerables Conn 1.50 Beans 0 0 0 Sweet potatoes 1.50 Symeet potatoes 0 0 Sweet potatoes 2.00 D 0 Sweet potatoes 3.500 Symeet potatoes Sugar cane 1.000 Symeet potatoes Sweet potatoes 3.767 31,846 28,079 3.757 31,846 28,079 3.767 31,846 28,079 3.767 31,846 28,079 3.767 31,846 28,079 3.767 31,846 28,079 3.767 31,846	3. Unit Yield (towha) Paddy -Wer season Onr Corn Tobacco Vegerables Bears Peanuts Sweer potatoes Sugar cane 4. Unit Price (Pesorton)			ation Cost (1000 Pesas)	
4.56 2.30 Paddy 1,545 5,979 4,434 Paddy-Wer season 5.30 Corm 1,230 3,266 2,036 -0ry season 3.75 2.85 Tobacco 129 432 303 Corn 2.00 1.40 Vegetables 0 762 Tobacco 1.50 Beans 0 0 0 0 1.50 Sweet potatoes 0 0 0 0 Sweet potatoes 0 0 0 Sweet potatoes 5.500 Sweet potatoes 0 0 Sweet potatoes 5.500 S.500 Sweet potatoes 0 0 O 5.000 S.500 S.757 31,846 28,079 Vegetables 5.000 9.767 31,846 28,079 Sweet potatoes 5.000 9.900 1,400 1,400 1,400 Sweet potatoes 290 11,400 1,400 1,400 1,400 Sweet potatoes <td>Paddy Wet season Ony season Corn Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pesonton)</td> <td>1</td> <td></td> <td>/</td> <td></td>	Paddy Wet season Ony season Corn Tobacco Vegetables Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pesonton)	1		/	
5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	- Dry season Cosm Tobacco Vegetablee Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pesonton)	1		1545	
3.75 2.85 Tobacco 129 432 5.03 Com 15.00 Vegetables 0 762 762 762 Tobacco 15.00 1.40 Vegetables 0 7.184 2.184 Vegetables 15.00 Beans Sweet potatoes 0 2.184 2.184 Vegetables 9.00 1.40 Vegetables 0 0 2.184 2.184 Vegetables 15.00 Beans Sweet potatoes 7ctal 2.00 0 0 Peanuts Sweet potatoes 7ctal 2.00 0 0 Peanuts Sweet potatoes 15.00 0 0 Sweet potatoes 15.00 Peach 15.00	Corn Tobacco Vegetables Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescnton)	1			
2.00 1.40 Vegerables 12.9 432 303 Com 13.00 Beans 165 0 2,184 2,184 Vegerables 1.50 Peanuts 165 0 0 0 Peanuts 2.00 Sweet potatoes 0 0 0 Sweet potatoes 2.00 Daringation Service Fee per Ha (Pesc/ha) 2.00 3,767 31,846 28,079 2.00 Daring Coat Coat Coat Coat Coat Coat Coat Coat	Tobaco Tobaco Vegerables Bears Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescrton)	1			
2.00 1.40 Vegetables 0 762 762 Tobacco 1.50 Beans 0 2,184 2,184 Vegetables 1.50 Beans 165 0 165 Bears Sweet potatoes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tobacco Vagetables Bears Bearuts Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pescuton)	:			
13.00 Beans 155 0 2,184 2,184 Beans 156 Beans 150 Beans 155 0 165 Beans 156	Vegetables Beans Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pesorton)		1.40 Vegetables		
1.50 Peanuts 165 0 .165 Beans Sweet potatoes 0 0 0 Peanuts Sweet potatoes 0 0 0 0 Peanuts Sugar cane	Bears Peanuts Sweet potatoes Sugar cane 4. Unit Price (Pesonton)		Beans		644 644
Sweet potatoes 0 0 0 Sweet potatoes Sugar cane	Peanute Sweet potatoes Sugar cane 4. Unit Price (Pesonon)	0.70 5.00	Peanuts	165	0 -165
3,500 8. Flood Damagod Value (1000 Pesos) 10,000 9. Total Net Production Value (1000 Pesos) 7,500 10. Net Production Value per Ha (Peso/Ha) 9,000 11. Irrigation Service Fee per Ha (Peso/ha) 9,000 11. Irrigation Service Fee per Ha (Peso/ha) 10. On the production Cost (Peson Ha (Peso/ha) 9,000 11. Irrigation Service Fee per Ha (Peso/ha) 12. On the production Cost (Peson Ha (Peso/ha) 9,000 13. For 31,846 9,000 14.000 1,400	Sweet potatoes Sugar cane 4. Unit Price (Pescrion)	5.00	Sweet potatoes	0 :	0
8. Flood Damaged Value (1000 Pescs) 3,500 3,000 9. Total Net Production Value (1000 Pescs) 7,500 10. Net Production Value per Ha (Pesc/Ha) 9,000 11. Irrigation Service Fee per Ha (Pesc/ha) 12,000 11. Irrigation Service Fee per Ha (Pesc/ha) 12,000 13,767 13,846 14,000 14,000 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400	Sugar cane 4. Unit Price (Pesorton)		Sugar cane		0
8. Flood Damaged Value (1000 Pescs) 4. Unit Price (Pescnon) 3,000 9. Total Net Production Value (1000 Pescs) 7,500 10. Net Production Value per Ha (Pesc/Ha) 900 23,767 31,846 26,079 Peanuts Peanuts 900 3,767 31,846 28,079 Sweet potatoes 290 11. Irrigation Service Fee per Ha (Pesc/ha) Peanuts Sugar cane 5, Unit Production Cost (Pescnon)	Unit Price (Pescaton)	00.0	Total	3,069 11,055	355 7,986
3,500 3,500 3,000 9, Total Net Production Value (1000 Pesos) 7,500 10. Net Production Value per Ha (Peso/Ha) 9,000 11. Irrigation Service Fee per Ha (Peso/ha) 12. On Production Cost (Peso) Pesos 13.767 13.846 14.600 14.400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400	Control (resoluti)		i i	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3,500 3,000 9, Total Net Production Value (1000 Pesos) 1,0000 9, Total Net Production Value (1000 Pesos) 2,700 10, Net Production Value per Ha (Peso/Ha) 2,500 11, Irrigation Service Fee per Ha (Peso/Ha) 2,000 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400			a rioco Damage	Flood Damaged Value (1000 Fesos)	
3,000 10,000 10,000 10,000 10,000 10, Net Production Value (1000 Pesos) 10, Net Production Value per Ha (Peso/Ha) 10, Net Production Value per Ha (Peso/Ha) 11, Irrigation Service Fee per Ha (Peso/ha) 12,000 11,100 1,400 1,				0	이
10,000 9, Total Net Production Value (1000 Pesos) Tobacco 1 3,700 3,700 3,767 31,848 28,079 Vegetables 9,900 10, Net Production Value per Ha (Peso/Ha) Peanuts 900 3,767 31,846 28,079 Sweet potatoes 290 11, irrigation Service Fee per Ha (Peso/ha) 5, Unit Production Cost (Peso/ha) 1,400 1,400 1,400 Daddy May peacen		3,000 3,000			
3,700 3,767 31,846 28,079 Vegetables 9,900 1,400 1,400 1,400 Park Production Service Fee per Ha (Peso/ha) Sweet potatoes Sugar cand 11. Irrigation Service Fee per Ha (Peso/ha) 5. Unit Production Cost (Peson Park Peson Park Peson Park Production Cost (Peson Park Peson Peson Park Peson	-	10,000 10,000	S. Total Net Pro-	 Total Net Production Value (1000 Pesos) 	sos)
9,900 7,500 10. Net Production Value per Ha (Peso/Ha) 900 3,767 31,846 28,079 Sweet potatoes 290 11. Irrigation Service Fee per Ha (Peso/ha) 9,000 1,400 1,400 1,400 1,400 1,400 1,400 1,400	Vegetables	3,700 3,700		3,767 24,477	20,710
7,500 10. Net Production Value per Ha (Peso/Ha) 900 3,767 31,846 28,079 290 11. Irrigation Service Fee per Ha (Peso/Ha) 1,400 5.					
3.767 31,846 28,079 290 11. Irrigation Service Fee per Ha (Pescha) 5.060 1,400 5.060			10. Net Productik	 Net Production Value per Ha (Peso/Ha) 	Ha)
290 11. Irrigation Service Fee per Ha (Peso/ha) 0 1,400 1,400 5.	Sweet potatoes			3,767 24,477	177 20,710
11. Irrigation Service Fee per Ha (Pesoha) 0 1,400 5.		290 290			
5. 040 1,400 1,400 5.	•		11, Irrigation Se.	11, Imgation Service Fee per Ha (Peso/ha)	J/ha).
Darth Mesons		o/ha)	•	2	875 875
2,100		3,090 5,200	2,110		
5,620 12: Net Farm Income per Ha (Pescha) -Dry season	-Dry season			Peso	
1,500 4,600 3,100 3,700 3,767 30,446 26,679 Corn	Corn	1,500 4,600	3,100	3,767 23,602	19,835

Farm Budget of Zinundungan Imgation Extension Project Table 6.18 (4)

thett	Without	With	Incre-	tlem	Without	with	incre.	mett	Without	With	incre-	Tern	Without	With	-poce
	Project	Project	mental		Project	Project	mental		Project	Project	mental		Project	Project	menta
1 Total Ama (ha)				Tobacco	2.570	4 800	2 230	1 Total Area (ha)				Tobacco	2.570	608	2 230
Total troop	7 7 7	62.4	c	Voverbloe	i <u>•</u>	7 630	,,,	Dodge field		4	•	Venetablee) }	7 500	ì
Diversified problem	900	3008	, c	Beans		0.00		Diversitied Applied	00.00	000	0 0	Basse		900.0	
	7	727	6	shine of	4)			201)		0	,	
(1989)	20.	3	•	Sweet potatoes	0.00			(See a)	007	06/1	>	Sweet notation	000		
C Hanzerad Area (ha)				Sugar cane	0 0 0			Varyested area (ha)				Super Cape	4 960		
Dacks With season	750	1.450	-300))				1.750	1.450	008-	2 13 13 13 13 13 13 13 13 13 13 13 13 13)		
Tacky - Met Season	3 6	0 0	450	6 Gmss Farm Income (1000 Peecs)	ma (1000 Bee	(90)		Hospital Mary Cook	2	,	200	6 Gmes Farm incards (1000 Bases)	200 (100t) Bac	(9)	
Total)	7 750	000	2007		15 213	40 010	000 00	Joseph J. Co.	2 47 -	200	200		45 219	28. 97	20.87
(Texts.)	5 6	0 0 0	000.	See See	2 541	400	000,0	(ais)	027.	0000	000	, may	2 24 2	1,100	2 2 2
Tahana	2 0	9 4	200	Tobacc	· c	1 200	4 200	Tobacco	2	9) ()	Tobacc	, c	000	
Vocatablee	,	2 2	9	Venetables			988.0	Vocate	0 0	3 6	9 6	Monetakie		400	9 00 00
Vegetables	,	9 6	00 6	a egetande		1 0 0	7,000	Seconda A	9 (2 6	9 1	vegetables	o 0	000,0	9 6
dears	0	000	000'	Deans		00/152	23,780	Sears	o ;	000	06.	OG SUP	5 (2,220	2,6
Peanuts	9	٥	0.9	Peanuts	0	.	n n	Peanute	09	9	9.	Peanuts	a -	יכ	
Sweet potatoes	O	O	0	Sweet potatoes	0	0	0	Sweet potatoes	O	0	0	Sweet potatoes	0	0	
Sugar cane	o	0	Đ	Sugar сапе	0	٥	О	Sugar cane	0	0	C	Sugar cane	0	0	
Total	2,580	5,100	2,520	Total	18,169	81,459	63,290	Total	2,580	3,650	1,070	Total	18,169	57,897	39,728
3. Unit Yield (ton/ha)	. *			7. Total Production Cost (1000 Pesos)	Cost (1000 F	(sose,		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 P	(sose,	
Paddy - Wet season	2.5	4.50	2.00	Paddy	6,143	15,762	9,619.	Paddy -Wet season	2.5	4.10	1.60	Paddy	5,143	15,689	9,546
-Dry season		5.00		Com	1,409	2,208	799	-Dry season		5.00		Com	1,409	2,208	799
Com	7	3.75	2.65	Tobacco		288	288	Com	1,1	3.75	2.65	Tobacco	ø	288	288
Tobacco	09.0	2.00	1.40	Vegetables	٥	457	457	Тофассо	0.60	2.00	1,40	Vegetables	0	457	457
Vecetables		13,00		Beans	0	4.480	4 480	Vegerables		13.00		Beans	0	420	420
Baans		1.50		Peanuts	110	0	10	Pears		1.50		Peants	110	0	-110
Paarvits	0.70			Sweet potatoes		C	C	Peanuts	0.70	•		Sweet potatoes	O	Ö	
Cusos notatos	00			Sugar cana				Succession and Succession of the Succession of t	000			Surar cana	c	o	
Sugar cane	39.00			Total	7,662	23,195	15,533	Sugar cane	39.00			Total	7,662	19,062	11,400
				6 Done Comment Visites (2005)	2 COO to sulph							(1007) outely beacomed boats of	G (100)	Bacoct	
4. Unit Price (Pesonori)		. !		o. i note callingues	mont answa	(sne		to the section of the section of				o. r icoc calliaged t		(cres	
Paddy	3,500	3,500			0	8,363		Paddy	3,500	3,500		1		4.404	
Con	3,000	3,000						Eo	3,000	3,000					
Торасео	10,000	10,000		9. Total Net Production Value (1000	ction Value (1	000 Pesos)		Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	tion Value (1)	300 Pesos)	
Vegetables	3,700	3,700			10,507	49,901	39,394	Vegetables	3,700	3,700			10,507	34.371	23,864
Beans	006.8	006'6		,				Seams	9,900	9,900		-			
Peanuts	7,500	7,500	:	10. Net Production Value per Ha (Peso/Ha)	Value per Ha	(Peso/Ha)		Peanuts	7,500	7,500		10. Net Production Value per Ha (Pesc/Ha)	Value per Ha	(Pesc/Ha)	
Sweet potatoes	800	900			5.004	28,515	22,511	Sweet potatoes	006	006		• .	6,004	19,641	13.637
Sugar cana	290	290						Sugar cane	290	290		٠.			
				11. Irrigation Service Fee per Ha (P	ce Fee per H	a (Peso/ha)		,				11. Irrigation Service Fee per Ha (Peso/ha)	Ce Fee per fl	a (Peso/ha)	
5. Unit Production Cost (Peso/ha)	Peso/ha))· ·	0	1,400	1,400	5. Unit Production Cost (Peso/na)	(Peso/na)	-			0	875	875
Paddy - Wet season	3,510	5,250	1,740					Paddy -Wet season	3,510	5,200	1,690				
Dry season		5,620		12. Net Farm Income per Ha (Peso/ha)	ne per Ha (Pc	so/ha)		-Dry season		5,620		12. Net Farm Income per Ha (Peso/ha)	ne per Ha (Pe	so/ha)	
			A 19.0		*CC &	37.4.5	01 444	Com	668	004	0.770		5 004	18.766	12.762

(continuation)

Table 6.18 (5) Farm Budget of Alcala Amulung West Irrigation Project

- Proposed Cropping Pattern A & C -

Пел	Without Project	With	incre- mental	ttem	Without Project	With Project	mentai	ltem	Project	With Project	incre- mental	men	Without Project	Project	Incre- mental
1 Total Area (ha)				Tobacco	2 570	4.800	2.230	1. Total Area (ba)				Toherro	2 470	6 800	2.230
Paddy field	3.850	3.850	0	Vecetables	i	7,620			3.850	3.850	n	Vecetables	Î	7,620	
Civersitied cropian	2.900	2.900	Ö	Seams		2,800		Diversified croplan	2,900	2.900	0	Beans		2.800	
(Total)	8,750	6,750	0	Peanuts	1,830			(Total)	6,750	8,750	0	Peanus	1,830		
				Sweet potatoes	2,460							Sweet potatoes	2,460		-
2. Harvested Area (ha)				Sugar cane	4,960	•		2. Harvested Area (ha)				Sugar cane	4,960		
Paddy - Wet season	3,850	3,850	0					Paddy -Wet season	3,850	3,850	0		:		
-Dry season	0	3,850	3,850	6. Gross Farm Income (1000 Pesos)	16 (1000 Per	. (30)		-Dry season	0	3,850	3,850	Gross Farm Income (1000 Pesos)	ne (1000 Per	(501	
(Total)	3,850	7,700	3,850	Paddy	29,645	128,013	98,368	(Total)	3,850	7,700	3,850	Paddy	29,645	122,623	92,978
Con	5,410	4,640	.770	Con	14,607	52,200	37,593	Com	5,410	4,840	- 270	Com	14,607	52,200	37,593
Tobacco	o	580	580	Tobacco	0	11,600	11,600	Tobacco	o	580	580	Tobacco	0	11,500	11,600
Vegetables	ø	580	580	Vegetables	o	27,898	27,898	Vegetables	o	580	580	Vegetables	0	27,898	27,898
Beans	0	5,300	5,300	Beans	0	78,705	78,705	Seams	0	1,450	1,450	Seams	0	21,533	21,533
Peanuts	580	0	580	Peanuts	3,045	0	-3,045	Peanuts	580	0	-580	Peanuts	3,045	Ö	3,045
Sweet potatoes	60	0	-60	Sweet potatoes	270	ø	-270	Sweet potatoes	60	0	09-	Sweat potatoes	270	•	-270
Sugar cane	230	o	-230	Sugar cane	2,601	0	-2,601	Sugar cane	230	O	-230	Sugar cane	2,601	0	-2,601
Total	10,130	18,800	8,670	Total	50,168	298,418	248,248	Total	10,130	14,950	4,820	Totai	50,168	235,854	185,686
3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(3080,		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(sose)	
Paddy - Wet season	2.20	4.50	2.30	Paddy	11,897	41,850	29,953	Paddy -Wet season	2.20	4.10	1,90	Paddy	11,897	41,657	29,760
-Dry geason		5.00		Con	8,115	21,344	13,229	-Dry season		5.00		, ES	8,115	21,344	13,229
Co.	08.0	3.75	2.85	Tobacco	0	2,784	2,784	Corn	0.90	3.75	2.85	Tobacco	0	2,784	2,784
Tobacco	0.60	2,00	1.40	Vegetables	0	4,420	4,420	Tobacco	0.60	2.00	1.40	Vegetables	0	4,420	4,420
Vecelables		13.00		Deans	o	14,840	14,840	Vegetables		13.00		Beans	0	4,060	4,060
Beans		1.50		Peanuté	1,061	ō	-1,061	Beans		1.50		Peanuts	1,061	٥	-1,061
Peanith	0.70	•		Sweet potatoes	148	0	-148	Peanuts	0.70			Sweet potatoes	148	o	-148
Sweet potatoes	5.00			Sugar cane	1,141	0	1,141	Sweet potatoes	5.00			Sugar cane	1,141	0	1,141
Sugar cane	39.00			Total	22,362	85,238	62,876	Sugar cane	39.00			Total	22,362	74,265	51,903
4. Unit Price (Pesovten)				8. Flood Damaged Value (1000	ilue (1000 F	Pesos)		4. Unit Price (Pescuton)	_			8. Flood Damaged Value (1000		Pesos}	
	3.500	3,500			Ö	21,024		Paddy	3,500	3,500			0	14,831	
Com	3,000	3,000						Com	3,000	3,000					
Tobacco	10,000	10,000		9, Total Net Production Value (1000 Pesos)	it) ealed no	300 Pesos)		Tobacco	10,000	10,000		9, Total Net Production Value (1000 Pesos)	ion Value (1)	DOD Pesos)	
Vedetables	3,700	3,700			27 808	192,154	164,348	Vegetables	3,700	9,700			27,806	145,758	118,952
Dears	006'6	006'6						Beans	9,900	006'6		l			
Peanuts	7.500	7,500		10. Not Production Value per Ha (Peso/Ha)	alue per Ha	(Peso/Ha)		Peanuts	7,500	7,500		10. Net Production Value per Ha (Peso/Ha)	'alue per Ha	(Peso/Ha)	
Sweet potatoes	800	906			4 119	28,467	24,348	Sweet potatoes	006	900		1	4,119	21,742	17,623
Sugar cane	290	290						Sugar cane	290	290					
	6000			11. Irigation Service Fee por Ha (Peso/ha) 0 4.270	Feerportik	4.270	4.270	5. Unit Production Cost (Peso/ha)	(Peso/ha)			11. Imgation Service Fee per Ha (Pescha) 0 3.910	3 Fee per H	a (Pesovha) 3,910	3,910
5. Unit Production Cost (0000	, A	0 160					Paddy -Wet gaason	3 0 90	5 200	0 1 10				
raddy -wei season -Dry season	0 n	5,620	2	12. Net Farm Income per Ha (Peso/ha)	ı per Ha (Pe	so/ha)		Ory season		5,620	ì	12. Net Farm Income per Ha (Pesorha)	9 per Ha (Pe	sorha)	
		200	2.100		4.119	24.197	20.078	Coc	1.500	4.600	3 100		01	17.832	13,713

Table 6.18 (6) Farm Budget of Tuguegarao Infgation Project

- Proposed Cropping Pattern A & C -

Rem	Without Project	With Project	Incre- mental	ltem	Without Project	With Project	Incre- mental	(tem	Without	With Project	Incre- mental	ltern	Without Project	With Project	incre- mental
1. Total Area (ha)				Tobacco	2,570	4.800	2,230	1. Total Area (ha)				Торассо	2,570	4,800	2.230
Paddy fleid	250	250	0	Vegetables		7,620		Paddy field	250	250	0	Vegetables		7,620	
Diversitied croplan	1,150	1,150	0	Beans		2,800		Diversified cropian	1,150	1,150	o	Beans		2,800	
(Total)	1,400	1,400	0	Peanuts	1,830			(Total)	1,400	1,400	0	Peanuts	0.83,1		
				Sweet potatoes	2,460							Sweet potatoes	2,460		
2. Harvested Area (ha)				Sugar cane	4,960			2. Harvested Area (ha)				Sugar cane	4,960		
Paddy -Wet season	250	250	0					Paddy -Wet season	250	250	0				
-Dry season	0	250	250	6. Gross Farm Income (1000 Pesos)	ne (1000 Pes	(30		-Dry season	0	250	250	6. Gross Farm income (1000 Pesos)	ne (1000 Pesc	(5 (
(Total)	250	500	580	Paddy	1,925	8,313	6,388	(Total)	250	500	250	Paddy	1,925	7,963	6,038
Сож	1,890	1,830	-60	Coa	6,804	20,538	13,784	Con	1,890	1,830	09-	, ES	6,804	20,588	13,784
Tobacco	0	230	230	Tobacco	0	4,600	4,600	Tobacco	o	230	230	Tobacco	0	4,500	4.600
Vegetables	0	240	240	Vegetables	0	11,544	11,544	Vegetabies	0	240	240	Vegetables	a	11.544	11.544
Bears	o	830	830	Beans	0	12,326	12,326	Seans	0	580	085	Seas	٥	8 8	6.613
Peanuts	230	0	-230	Peanuts	1,208	o	-1,208	Peanuts	230	0	-230	Peanuts	1,208		-1,208
Sweet potatoes	o	0	0	Sweet potatoes	0	0	0	Sweet potatoes	0	0	O	Sweet potatoes	٥	0	O
Sugar cane	0	0	0	Sugar cane	0	0	0	Sugar cane	0	O	o	Sugar cene	0	O	0
Total	2,370	3,630	1,260	Total	9,937	57,371	47,434	Totaí	2,370	3,380	1,010	Total	9,937	53,308	43,371
4 (Init Vield (too/ha)				7. Total Production Cost (1000 Per	Cost (1000 F	1908)		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 P.	(308)	
	2.20	4.50	2.30	Paddy	773	2,718	1,945		2.20	4.10	1,90	Paddy	773	2,705	1.932
Dry season		5.00		Com	3,780	8,418	4,638	.Ory season		5.00		Coa	3,780	8.418	4,638
Com	1.20	3.75	2.55	Tobacco	0	1,104	1,104	EoO	1.20	3,75	2.55	Tobacco	0	1 104	104
Tobacco	0.60	2.00	1.40	Vegetables	0	1,829	1,829	Торассо	0.60	2.00	1,40	Vegetables	0	1,829	1,829
Vegetables		13.00		Beans	0	2,324	2,324	Vegetables		13.00		Beans	a	1.624	1,624
Beans		1.50		Peanuts	421	0	.421	Beans		1.50		Peanuts	421	0	-42
Peanuts	0.70			Sweet potatoes	0	0	0	Peanuts	0.70			Sweet potatoes	0	O	J
Sweet notation	500			Sugar cane	0	ю	9	Sweet potatoes	5.00			Sugar cane	c	o	Ç
Sugar cane	39.00			Totai	4.974	16,393	11,419	Sugar cane	39.00			⊤लक्ष	4,974	15,680	10,706
				o Bosen (1907) anie (1908) postas	o (CO) one	(3036)		(co//osed/ poly (Deschool)	يد	٠		S Flood Damaged Value (1998)	S Work onle,	Dacoe	
4. One and (resourch)		1		, 100 mm	2001	6000				0		a partition of the	2001	(600)	
Paddy	3,500	3,500				3,302		racedy	200	000		1	2	2,930	
E OS	3,000	3,000			7 16-haz 620			1,000	900	200		The section of the se	Chr. Table - 150	0	
Tobacco	10,000	10,000		9. Iotal Net Production Value (1000 Pesus)	non value (1	CO Feedes)	•	Boros	0000	000		s. I dial Ivel Production Value (1000 Pesos)	TION VAIDE (IL	or resos;	
Vegetables	3,700	3,700			4,963	37,596	32,533	Vegetables	3,700	3,700			4,963	34,633	29.670
Beans	006.6	9,900						Beans	9,900	006'6			٠		
Peanuts	7,500	7,500		 Net Production Value per Ha (Peso/Ha) 	Value per Ha	(Peso/Ha)		Peanuts	7,500	7,500		 Net Production Value per Ha (Peso/Ha) 	Value per Ha	(Peso/Ha)	
Sweet potatoes	006	900		1	3,545	25,854	23,309	Sweet potatoes	906	900			3,545	24,738	21,193
Sugar cane	290	290						Sugar cane	290	290				٠,	
•	٠			11. Irrigation Service Fee per Ha	e Fee per H	=						11. Imgation Service Fee per Ha (Peso/ha)	to Fee per Ha	s (Peso/ha)	
5. Unit Production Cost (Peso/ha)	(Peso/ha)				0	2,640	2,640	5. Unit Production Cost (Peso/ha)	t (Peso/ha)				o	2,540	2.540
Paddy -Wet season	3,090	5,250	2,160	١.				Paddy -Wet season	3,090	5,200	2,110				
-Dry season		5,620		12. Net Farm income per Ha (Pasoha)	е рөг На (Ре	sona)	,	nosees Aug-		5,620		12. Net Farm Income per Ha (Pesoha)	Te per Ha (Pe	so/ha)	•
E	0000	4.600	2,600		3.545	24.214	20,669	Ego	2,000	4,600	2,600		3,545	22,198	18,653

Table 6.18 (7) Farm Budget of Lulusan Imgation Project

- Proposed Cropping Pattern A & C -

	0														
	רוטומכו	Project	mental		Project	Project	mental		Project	Project	mental		Project	Project	mental
1, Total Area (ha)				Tobacco	2,570	4,800	2,230	1. Total Area (ha)				Tobacco	2,570	4,800	2.230
Paddy field	2,410	2,410	0	Vegetables		7,620		Paddy fleld	2,410	2,410	0	Vegetables		7.520	
Diversified croplan	540	2,410	0	Beans		2,800		Diversified croptan	540	2,410	0	Beans		2,800	
(103)	2,950	2,950	o	Peanuts	1,830			(Total)	2,950	2,950	0	Peanuts	1,830		
				Sweet potatoes	2,460							Sweet potatoes	2,460		
2. Harvested Area (ha)				Sugar cane	4,960			2. Harvested Area (ha)				Sugar cans	4,960		
Paddy -Wet season	2,410	2,410	0					Paddy -Wet season	2,410	2,410	o				
-Dry season	0	2,410	2,410	6. Gross Farm Income (1000 Pesos)	ne (1000 Pes	(30		-Dry season	O	2,410	2,410	6. Gross Farm Income (1000 Pesos)	ле (1000 Pes	(so	
(Total)	2,410	4,820	2,410	Paddy	18557	80,133	61,576	(प्रवा)	2,410	4,820	2,410	Paddy	18557	76,759	58,202
Com	1,340	870	-470	Con	4,020	9,783	5,768	Corn	1,340	870	-470	Corn	4,020	9,788	5,768
Tobacco	9	110	20	Tobacco	360	2,200	1,840	Tobacco	80	110	20	7054000	380	2,200	1,840
Vegetables	0	100	100	Vegetables	0	4,810	4,810	Vegetables	0	100	100	Vegetables	0	4,810	4.810
Beans	0	2,680	2,680	Beans	0	39,798	39,798	Beans	0	270	270	Beans	٥	4,010	4,010
Peanuts	110	0	-110.	Peanuts	578	0	-578	Peanuts	110	o	-110	Peanuts	578	O	-578
Sweet potatoes	0	o	0	Sweet polabes	Ö	0	O	Sweet potatoes	o	o	0	Sweet potatoes	ø	٥	0
Sugar cane	0	0	٥	Sugar cane	0	٥	٥	Sugar cane	٥	0	٥	Sugar cane	٥	٥	٥
Total	3,920	3,580	4,660	Total	23515	136,729	113,214	Total	3,920	6,170	2,250	Total	23515	97,567	74,052
3, Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Sost (1000 P	(3050,		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(sose	
Paddy - Wet season	2.20	4,50	2,30	Paddy	7,447	26,197	18,750	Paddy -Wet season	2.20	4.10	1.90	Paddy	7,447	26,076	18,629
-Dry season		5.00		Com	2,238	4,002	1,764	-Dry season		5.00		Com	2,238	4,002	1,764
Com	1.00	3,75	2,75	Tobacco	154	528	374	Corn	1.00	3.75	2.75	Tobacco	154	528	374
Tobacco	09'0	2.00	1,40	Vegetables	0	762	762	Tobacco	09.0	2.00	1.40	Vegetables	0	762	762
Vegetables		13.00		Beans	0	7,504	7,504	Vegetables		13.00		Beans	Ø	756	756
Baans		1.50	-	Peanuts	201	0	-201	Bears		1.50		Peanuts	201	0	-201
Peanuts	0.70			Sweet potatoes	O	0	O	Peanuts	0.70			Sweet potatoes	0	0	0
Sweet potatoes	5.00			Sugar cane	O	٥	O	Sweet potatoes	5.00			Sugar cane	0	0	0
Sugar cane	39.00			Total	10040	38,993	28,953	Sugar cane	39,00			Total	10040	32,124	22,084
4. Unit Price (Peso/ton)				8. Flood Damaged Value (1000	llue (1000 P.	Pesos)		4. Unit Price (Pesotion)				8. Flood Damaged Value (1000		Pesos)	
Paddy	3,500	3.500			0	1,250		Paddy	3,500	3,500			0	756	
Com	3,000	3,000						Corn	3,000	3,000					
Tobacco	10,000	10,000		9. Total Net Production Value (1000	on Value (10	OO Pesos)		Товассо	10,000	10,000		9. Total Net Production Value (1000 Pesos)	ion Value (1)	300 Pesos)	
Vegetables	3,700	3,700		1	13,475	96,486	83,011	Vegetables	3,700	3,700			13,475	64,687	51.212
Beans	006'6	008'6						Beans	9,900	006'6					
Peanuts	7,500	7,500		10. Net Production Value per Ha (Peso/Ha)	alue per Ha	(Рево/На)		Peanuts	7,500	7,500		10. Net Production Value per Ha (Peso/Ha)	latue per Ha	(Peso/Ha)	
Sweet potatoes	006	006		1	4 569	32,707	28,139	Sweet potatoes	900	006			4,568	21,928	17,360
Sugar cane	290	290						Sugar cane	290	290					
. •	,			11. Irrigation Service Fee per	Fee per 1	Ha (Peso/ha)	4		9	٠		11. Impation Service Fee per Ha (Peso/ha)	3 Fee per T.	(Peso/na)	6
5. Unit Production Cost (Peso/ha)	(Peso/ha)	,	4	1	0	3,850	3,850	o, Unit Production Cost (Pesovia)	(reso/na)	0		1	0	3,630	3,000
Paddy -Wet season	0 0 0 0	5,250	2,160	12. Net farm locome ser Ha (Pess/ha)	oer Ha (Per	(so/ha)		Facey - Wet season - Dry season	080'5	5.820	2,110	12. Net Farm Income per Ha (Peso/ha)	a ber Ha (Pe	so/ha)	
Com	1,670	4,600	2,930		4.569	28,757	24,189	Con	1,670	4,600	2,930		4,568	18,328	13,760

3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 a	09505)		Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	30st (1000 P.	esos)	
Paddy - Wet season	2 30	4.50	2,20	Paddy	546	2 174	1,528	Paddy -Wet season	2.30	4.10	1.80	Paddy	646	2,164	1,518
-Dry season		5,00		Com	7,260	22,080	14,820	-Dry season		5.00		Com	7,260	22,080	14,820
Con	0.90	3.75	2,85	Tobacco	17.	2,880	2,109	Com	0.80	3.75	2.85	Tobacco	771	2,880	2,109
Tobacco	0.60	2.00	1,40	Vegetables	O	4.572	4,572	Tobacco	0.50	2.00	1.40	Vegetables	۵	4,572	4,572
Vegetables		13.00		Beans	0	4,760	4,760	Vegetables		13.00		Seans	0	4,200	4,200
Bears		1.50		Peanuts	1,098	O	1,098	Bears		1.50		Pearitts	1,098	0	-1,098
Peanuts	0.70			Sweet potatoes	148	G	-148	Peanuts	0.70			Sweet potatoes	148	0	-148
Sweet potatoes	5.00			Sugar cane	0	0	0	Sweet potatoes	5.00		•	Sugar cane	0	O	٥
Sugar cane	39.00			Total	9,923	36,466	26,543	Sugar cane	39.00			Total	9,923	35,896	25,973
4. Unit Price (Pesovion)				8. Flood Damaged Value (1000 Pescs)	lue (1000	(3030)		4. Unit Price (Peso/ton)				8. Flood Damaged Value (1000 Pesos)	tiue (1000 Pi	(sose	
Dachiv	3.500	3.500		•		2.777		Paddy	3.500	9,500			o	2,722	
Com	3.000	3,000						Com	3,000	3,000					
Tobacco	10.000	10,000		9. Total Net Production Value (1000 Pesos)	on Value (1	000 Pesos)		Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	on Value (10	XOD Pesos)	
Veoerables	3,700	3,700			9,975	87,512	77,537	Vogetables	3,700	3,700		•	9,975	84,887	74,912
Beans	9.900	9,900		}				Bears	006'6	006'6					
Peanuts	7,500	7,500		10. Net Production Value per Ha (Peso/Ha)	alue per Ha	(Peso/Ha)		Pearuts	7,500	7,500		10. Not Production Value per Ha (Peso/Ha)	alue per Ha	(PesoTha)	
Sweet potatoes	900	900		1	3,117	27,348	24,231	Sweat potatoes	900	900			3,117	26,527	23.410
Sugar cane	290	280						Sugar cane	290	290					
	٠	٠		11. Irrigation Service Fee per Ha (Peso/ha)	Fee per h	ta (Peso/ha)						11. Irrigation Service Fee per Ha (Pesovha)	Tee per H	(Pesovha)	
5. Unit Production Cost (Peso/ha)	(Peso/ha)			•	0	1,570	1,570	5. Unit Production Cost (Pesorha)	(Pesofha)				o	1.570	1,570
Paddy -Wei season	3,230	5.250	2,020					Paddy -Wet season	3,230	5,200	1,970			1	:
-Dry season		5.620	:	12. Net Farm Income per Ha (Peso/ha)	ber Ha (Pt	sco/ha)		-Dry season		5,620		12. Net Farm Income per Ha (Pesofha)	9 per Ha (Pe	so/ha)	
Com	1,500	4 600	3,100		3,117	25,778	22,661	Com	1,500	4,600	3,100]	3,117	24,957	21,840

(to be continued)

Table 6.18 (9) Farm Budget of Gappal Irrigation Project (Pump Scheme)

- Proposed Cropping Pattern A & C -

	10.010														
	170 001	Project	mental		Project	Project	mental		Project	Project	menta		Project	Project	menta
to the second of				Topogo	2 6 70	000	ć	(may make) leaves .					0 0	000	000
1. John Fres (Ha)	6		•	l coacco	o N	9 6	000,7	Total Aida (na)		0	•	Doacco	2,5,5	1 1	2,457
raccy nerd	2,30	000.5	3	Vegetaches		7,640		Pacoy 11910	3,300	3,300	>	Vegetables		7.020	
Diversified croplan	1,100	1,100	٥	Coans		2,800		Diversified croplan	1,100	1,100	٥	Beans		2,800	
(Jotal)	4,400	4,400	0	Peanuts	1,830			(निक्य)	4,400	4,400	0	Peanuts	1,830		
				Sweet potatoes	2,460							Sweet potatoes	2,460		
2. Harvested Area (ha)	.*			Sugar care	4,960			2. Harvested Area (ha)				Sugar cane	7,960		
Paddy -Wet season	3,300	3,300	0					Paddy -Wet season	3,300	3,300	0				
-Dry season	0	3,300	3,300	8. Gross Farm Income (1000 Pesos)	16 (1000 Pes	(so:		-Dry season	0	3,300	3,300	6. Gross Farm Income (1000 Pesos)	ne (1000 Peso	(\$)	
(Total)	3,300	6,800	3,300	Paddy	25,410	109,725	84,315	(Fotal)	3,300	6,600	3,300	Paddy	25,410	105,105	79,695
Com	2,420	1,760	-650	Com	6,534	19,800	13,286	Com	2,420	1,760	-660	Com	6,534	19,800	13,256
Tobacco	110	220	110	Tobacco	099	4,400	3,740	Tobacco	110	220	110	Tobacco	660	4,400	3,740
Vegetables	0	220	220	Vegetables	0	10,582	10,582	Vegetables	0	220	220	Vegetables	0	10,582	10,582
Beans	0	3,850	3,850	Beans	٥	57,173	57,173	Bears	0	550	550	Bearts	0	8,168	8,168
Pearluts	220	o	-220	Peanuts	1,155	0	-1,155	Pearuts	220	o	-220	Peanuts	1,155	0	-1,155
Sweet potatoes	٥	0	O	Sweet potatoes	0	0	0	Sweet potatoes	0	0	o	Sweet potatoes	٥	0	0
Sugar cane	0	O	0	Sugar cane	0	O	O	Sugar cane	0	0	O	Sugar cane	0	c	٥
Total	6,050	12,650	009'9	Total	33,759	201,680	157,921	Total	6,050	9,350	3,300	Total	33,759	148,055	114,296
3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	90506)	٠	3. Unit Yield (torvha)				7. Total Production Cost (1000	Cost (1000 P	Pesos)	
Paridy - Wel season	2.20	4.50	2.30	Paddy	10.197	35,871	25.674	Paddy -Wet season	2.20	4.10	1,90	Paddy	10,197	35,706	25,509
-Dry season		5.00		Com	3,630	8,096	4,468	-Dry season		5.00		E O	3,630	3,096	4,466
Com	06.0	3.75	2.85	Tobacco	283	1,056	773	Con	0.90	3,75	2.85	Tobacco	283	1,056	773
Tobacco	0.60	2.00	1.40	Vegetables	0	9,676	1,676	Торассо	0.60	2.00	1.40	Vegetables	o	1,676	1,675
Vecetables		13.00		Веаля	0	10,780	10,780	Vegetables		13.00		Beans	0	1,540	1,540
Searts		1.50		Peanuts	403	0	-403	Beams		1.50		Peanuts	403	O	-403
Pearuts	0.70			Sweet potatoes	0	0	o	Peanuts	0.70			Sweet potatoes	0	0	
Sweat potatoes	5.00			Sugar cane	o	0	0	Sweet potatoes	5.00			Sugar cane	0	o	٥
Sugar cane	39.00			Total	14,513	57,479	42,966	Sugar сале	39.00			Total	14,513	48,074	33,561
4. Unit Price (Pesotion)				8. Flood Damaged Value (1000 Peros)	thue (1000 F	16508)		4. Unit Price (Pesation)	-			8. Flood Damaged Value (1000 Pesos)	alue (1000 Pe	(\$08)	
Paddy	3,500	3,500		.]	Q	2,194		Paddy	3,500	3,500		ļ	0	1,510	
Com	3,000	3,000						Corn	3,000	3,000				.	
Tobacco	10,000	10,000		9, Total Net Production Value (1000 Peacs)	on Value (10	500 Pesos)		Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	ion Value (10	30 Pesos}	
Vegetables	3,700	3,700			19,246	142,007	122,761	Vegetables	3,700	3,700			19,246	98,471	79,225
Bearts	9,900	006'6						Bears	9,900	006.6					
Peanuts	7,500	7,500		10. Net Production Value per Ha	alue per Ha	(Peso/Ha)	-	Peanuts	7,500	7,500		10. Net Production Value per Ha (Peso/Ha)	/alue per Ha (Peso/Ha)	
Sweet potatoes	900	900]	4,374	32,274	27,900	Sweet potatoes	900	800		•	4,374	22,380	18,006
Sugar cane	290	290						Sugar cane	290	290			<u>.</u>		
A Last Production Cost (Peso/ha)	(Peso/ha)			11. Imganon service ree per na 0	red ber 1	a (reso/na) 4.830	4,630	5. Unit Production Cost (Pesc/ha)	(Pesc/ha)			11. Imgallon Service ree per na (nesona)	יים אבן הפים ס	4,180	4,180
Paddy -Well season	3.090	5,250	2,160	•				Paddy -Wet season	3,090	5,200	2,110	l			
-Ory season		5,620		12. Net Farm Income per Ha (Pesoha)	per Ha (Pe	so/ha)		-Ory season		5,620		12. Net Farm Income per Hz (Pesofra)	в рег На (Рев	o/ha)	
Com	1,500	4,600	3,100	1	4.374	27,644	23,270	Corn	1,500	4,600	3,100		4,374	18,200	13,826

Table 6,18 (10) Farm Budget of Gappai Imigation Project (Dam Scheme)

· Proposed Cropping Pattern A & C ·

			,		500			(dila)	200	13184	HCTB.	MACH	מלויו מחו	NA III	DC:0
	Project	Project	mental		Project	Project	mental		Project	Project	mental		Project	Project	mental
1. Total Area (ha)				Tobacco	2,570	4,800	2,230	1. Total Area (ha)				Tobacco	2,570	4,800	2,230
Paddy field	3,300	3,300	0	Vegetables		7,620		Paddy field	3,300	3,300	o	Vegetables		7,620	
Diversified croptan	1,100	1,100	o	Beans		2,800		Diversitied cropian	1,100	1,100	0	Beans		2,800	
(Total)	4,400	4,400	0	Peanuts	1,830			(Total)	4,400	4,400	0	Peanuts	1,830		
				Sweet potatoes	2,460							Sweet potatoes	2,460		
2. Harvested Area (ha)				Sugar cane	4,960			2. Harvested Area (ha)				Sugar cane	4,950		
Paddy - Wet season	3,300	3,300	0					Paddy -Wet season	3,300	3,300	0				
Dry season	O	3,300	3,300	6. Gross Farm income (1000 Pesos)	me (1000 Per	sos)		-Dry season	0	3,300	3,300	6. Gross Farm Income (1000 Pesos)	a (1000 Pes	(50	
Total	3.300	6.600	3.300	Paddy	25,410	109,725	84,315	(Total)	3,300	8,600	3,300	Paddy	25,410	105,105	73,695
	0 400	1 780	099,	i u	8 534	19.800	13.256	Eog	0 420	1.760	099	Live Communication	6 534	00801	12.266
7.000	, .	2 6		Tohaco	1 6	000	7 7 7 9	Tobacca		200	9 5	Tabacca	3 4	000	2,4
1000000	-	2 6	2 6	200000	999	2 6	2 0	CONTROL OF		2 6	- 6	1,1-11-11	3	7 4	
Vegetables	o	220	220	Vegetables	0	786,01	786,0	Vegetables	9	220	ON N	Vegetables	0	10,582	10,582
Beans	0	3,850	3,850	Beans	0	57,173	57,173	Beans	0	550	550 0	Beans	O	8,163	8,168
Peanuts	220	O	-220	Peanuts	1,155	0	-1,155	Peanuts	220	٥	-220	Peanuts	1,155	O	-1,155
Sweet potatoes	0	O	0	Sweet potatoes	o	0	0	Sweet potatoes	0	0	0	Sweet potatoes	0	Ö	0
Sugar cane	0	0	0	Sugar cane	0	0	0	Sugarcana	٥	٥	٥	Sugar cane	0	0	0
Total	6,050	12,650	6,600	Total	33,759	201,680	167,921	Total	6,050	9,350	3,300	Total	33,759	148,055	114,296
(ed/not/blot/ba)				7 Total Production Cost (1000 Pesos)	Cost (1000	Pesos)		3. Unit Yield (ton/ha)				7. Total Production Cost (1000 Pesos)	Cost (1000 F	(sose _c	
Condition (Note to to to	ć	04.7	0 20	Dadde	10.197	35.871	25.674	Paddy -Wet season	2.20	4.10	56.1	Paddy	10.197	35.706	25.509
raddy -wer season	, ,) (200	(and)	9 630	950 8	4,486	-Dry season	;	00° ki		Com	3.630	8.048	4.456
ny season.	;	20.0	•	3		9 0	02.7	to the	ć	, c	6	Tohasen	000	9 10	err
E CO	S. 0	3.75	68.7	1008000	500	1,030	1 678	Tobaco	8 6	2.0	5.5	Vacatable	9 0	200	878
opaeco	0.0	3.5	 Ož.	A BOOM OF THE PARTY OF THE PART) i			State of the state	,	3 4	Ì.	- Character	3 •	2	9 10
Vegetables		13.00		Beans	0 ;	10,780	08/01	Vegetables		956		Scans		1,540	1,040
Bears		1.50		Peanuts	403	O	-403	Dears	,	06.1		Peanus	403	э (504-
Peanuts	0.70			Sweet potatoes	0	0	Ö	Peanuts	0.70			Sweet potatoes	0	0	c
Sweet potatoes	9.00			Sugar cane	0	0	0	Sweet potatoes	5.00		٠	Sugar cane	٥	٥	٥
Sugar cane	39.00			Total	14,513	57,479	42,966	Sugar cane	39.00			रिल्य	14,513	48 074	33,561
4. Unit Price (Peso/ton)				8. Flood Damaged Value (1000 Pesos)	Value (1000	Pesos)		4. Unit Price (Pesorion)				8. Flood Damaged Value (1000		Pesos)	
	200	008				2,194		Paddy	3,500	3,500			Q	1.510	
(Sall)	3.000	3,000		•				Con	3,000	3,000					
Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	ction Value (1000 Pesos)		Tobacco	10,000	10,000		9. Total Net Production Value (1000 Pesos)	tion Value (1	000 Pesas)	
Vecetables	3,700	3,700			19,246	142,007	122,761	Vegetables	3,700	3,700			19.245	98,471	79,225
Doer's	006.6	9.900		1				Beams	006.6	006'6					
Pearuts	7.500	7.500		10, Net Production Value per Ha (Peso/Ha)	Value per Hk	(Peso/Ha)		Peanuts	7,500	7,500		10. Not Production Value per Ha (Peso/Ha)	Value per Ha	(Peso/Ha)	
Sweet polatoes	900	900			4,374	32,274	27,900	Sweet potatoes	900	800		-	4.374	22,380	18,006
Sugar cane	290	290		•				Sugar cane	280	290		-	· .	l	
				11, irrigation Service Fee per Ha	ce Fee per t	Ξ	٠.					11. Ingation Service Fee per Ha (Peso/ha)	o Fee par h	ta (Peso/ha)	
5. Unit Production Cost (Peso/ha)	(Peso/ha)			•	0	1,400	1,400	5. Unit Production Cost (Peso/ha)	(Pesc/ha)				0	875	875
Paddy -Wet season	3,090	5,250	2,160					Paddy -Wet season	3,090	5,200	2,110		!		
-Dry season		5,620		12. Net Farm Income per Ha (Peso/ha)	пе рег На (Р	eso/ha)		Dry season		5,620		12. Net Farm income per Ha (Peso/ha)	не рег На (Р	eso/ha)	1
Figure	1.500	4.600	3,100		4.374	30,874	26,500	Con	1,500	4,600	3,100	ı	4,374	21,505	1/133

(continuation)

Table 6.18 (11) Farm Budget of Dummun River Imgation System

151			ĺ.								
	Project	Project	mental	fiem Without With Incre- Project Project mental	Item	Without	with.	Incre-	thouti.W. meti	1	Incre-
						130	710 90	mental	Project	ct Project	mental
1. Total Paddy Field (ha)	2,070	2.070	c	6. Gross Farm income (1000 Pesos)	1. Total Paddy Field (ha)		;		6. Gross Farm Income (1000 Pesos)	000 Pesos)	
					•	2,070	2,070	0	Paddy -Irrigated 17,518	8 85 930	48 412
2. Harvested Area (ha)		-		s 30,740	2. Harvested Area (ha)				-Rainted	00	-10,080
Paddy-Irrigated(Wet)	870	2 070	1.200	00		į	!		-	-	-1.920
(A)	470	2,070	1,600	Total 30,306 99,56	(Dry)	8/0 4/0	2,070	1,200	Peanuts 788	L	-788
Beans (wer)	202,		2007		-Rainfed	1,200	0	1,200	900,00	05,830	35,624
Corn	640	20	640	7 Total Production Cost (1900 Bosos)	Beans	0	0	0			
Peanuts	150	O	-150	(2022 2021) 1222 1222222	Peanuts	040	0 0	-640	7. Total Production Cost (1000 Pesos)	(1000 Pesos)	
				Paddy -Irrigated 6,127 22,501 16,374		3	•	001	Paddy -Irrigated 6,127		16.270
3. Unit Yield (ton/ha)				0 5,796	3, Unit Yield (ton/ha)				-Rainfad 4,044		-4.044
Particularies and Marketine	. 6	C U		1,069					4 0 8	00	0 0
(Dry)	9 6	4, r		Fearuts 275 0 -275	Paddy-Irrigated(Wet)	3.70	4.10		uts	o c	ې د
-Rainfed	2,40	5		1,515 28,29/	(Dry)	3.80 6.00	5.00	-	Total 11,	22,397	10,882
Beans		1.50				4.40					
Corn	1.00			8. Flood Damaged Value (1000 Pesos)	2000 2000 2000	5					
Peanuts	0.70			0 2,479	Peanuts	0.70	•		8. Flood Damaged Value (1000	1000 Pesos) 0 1,191	
4. Unit Price (Peso/ton)				9. Total Net Production Value (1000 Peso) 18,791 68,792 50,001	4. Unit Price (Peso/ton)				9. Total Net Production Value (1000 Peso)	alue (1000 Peso) 23 551
Paddy		3,500		٠.	Q	500	200				3
	9,900 3,000 8	9,900 3,000		9,078 33,233 24,155	Beans	0000	006'6		10. Net Production Value per 9,078	per Ha (Peso/ha) 3 20,455	11,377
Peanuts		7,500		 11. Irrigation Service Fee per Ha (Peso/ha) 368 1,400 1,032 	Peanuts	2,500	7,500		11. krigation Service Fee	per Ha (Peso/ha)	a) 507
5. Unit Production Cost (Peso/ha)	so/ha)			a (Peso/ha)	5. Unit Production Cost (Peso/ha)	960/ha)		,	Not Earn Among man of		
Paddy-Irricated(Wet)	4.530	5.250	720	8,710 31,833 23,123			•		8,710		10.870
		5,620	970		ğ	4,530	5,200 5,620	670 970			
(S)		0			-Rainfod	3,370					
	1.670	7,000					2,800				
ST.	1,830				Corn Passuits	1,670					

Table 6.18 (12) Farm Budget of Baggao Irrigation System

Item	Without Project	With	Incre- mental	ltem W	Without Project F	With Project	Incre- mental	l(err	Without Project	Project	Incre- mental	ltern.	Without With Project Project	Incre- mental
1. Total Paddy Field (ha)	α 6	α τ	c	6. Gross Farm Income (10	8	Pesas)		1. Total Paddy Field (ha)	0		ć	6. Gross Farm I	Gross Farm Income (1000 Pesos)	
**				, ,		59,147	39,249		3,2,1			Paddy -Irrigated	19,898 57,71	37,814
2. Harvested Area (ha)				Beans - Hainfed /	, 26 / G 2	26,906	-/ 56 /- 26,908	2. Harvested Area (ha)				Hainfed Beans	0 0 0	-7,567
-				Com		O	-627					Com		-627
Paddy-Irrigated(Wet)	800 940	1,742	0 4 2 2 4 2	Peanuts Total 28	210	0 20 20	-210	Paddy-Irrigated(Wet)	800 070	1,812	7,0,0 0,00	Peanuts	17.7	.210
-Rainfed (Wet)	9 40	, ,	942			0000	90,'0	Rainfed (Wet)	0 0 0 4 0	, 0	•		28,302 57,712	28,42
Beans	0	1,812	1,812				٠		0	0	•			
Cora	190	0 0	-190	7. Total Production Cost (000 Pesos)		Com	90	o 6	1,140	7. Total Product	7. Total Production Cost (1000 Pesos)	
STORING L	2	Э	9	Paddy -Irrigated 6	-	9,329	12,373	- Awaren	4	•		Paddy -Imgated	6,956	12,650
				-Rainfed	3,036	0	-3,036					-Painfed		3 02
3. Unit Yield (ton/ha)				Beens	0 5	5,074	5,074	3. Unit Yield (tor/ha)				Baens	000	0 0
Paddy-Irripated(Wet)	90	50.		200 C	5 5 6 7	> <	0 60	Pacidy-Irricaled/Well	3 30	4.10		Deal F		2 (
(AQ)	3.50	5.00		Total		24,403	13.990	(hg)	3.50	5.00		Total	1	9 193
-Painfed	2.30	÷						-Rainfed (2.30					
Beams		1.50						Seans .					2	
Cora	1.10			8. Flood Damaged Value (1	slue (1000	Pesos)		Corn	1.10			8. Flood Damaged Value (1000	ed Value (1000 Pesos)	
Peanuts	0,70)	٥	0		Peanuts	0.70				0	
				9. Total Net Production Value (1000 Pesu	on Value	(1000 Pest	_					9, Total Net Pro	3	_
4. Unit Price (Peso/ton)				-	17,889 6	61,652	43,763	4. Unit Price (Peso/ton)					17,889 38,106	20,217
Paddy	3,500	3,500		10. Net Production Value	alue per l	per Ha. (Peso/ha)	(B)	Paddy	3,500	3,500		10. Net Product	ion Value per Ha (Pes	Vfra)
Sears	006'6	3,900		~~	S 873 3	34,024	24,151	Beans	9,900	9,900			9.873 21,030	11,157
Corn	3,000	3,000		-				Corn	3,000	3,000				
Peanuts	7,500	7,500		11. Irrigation Service Fee 525		per Ha (Peso/ha)	ha) 875	Poanuts	7,500	7,500		11. Irrigation S	11. Irrigation Service Fee per Ha (Peso/ha) 525 875	350 350
5. Unit Production Cost (Peso/ha)	Peso/ha)			12. Net Farm Income per		Ha (Peso/ha)	370 80	5. Unit Production Cost (Peso/ha)	Peso/ha)			12. Net Farm (r	12. Net Farm (noome per Ha (Peso/ha)	
Paddy-Irrigated(Wet)	4,040	5,250	1,210		Ī			Paddy-frrigated(Wet)	4,040	5,200	1,160		1	
(Dry)	4,280	5,620	1.340					(Dry)	3 230	5,620	1,340			
	20310	2.800								2,800		•.		
Corn	1,830	1						Corn	1,830	:	-	•		
Daggirt	000							Peanuts	1,830					

(continuation)

Table 6.18 (13) Farm Budget of Solana Irrigation System

Proposed Crapping Pattern B -	With Incre- item Without With Incre- Item Without With Incre- Project mental Project Project mental Project Project mental	1. Total Paddy Field (ha) 6. Gross Farm Income (1000 Pesos)	81,695 Paddy - trigated 12,369 90,104 77,73 Paddy - trigated 12,369 90,104 77,73	2. Harvested Area (ha) Beans 0 Com 1,548	-525 Paddy-frigated(Wet) 445 2,829 2,384 Peanuts 525 0	-Rainfed (Wet) 2,130 0 -2,130	Beans 0 0 0 Beans Peeps) -430 7, Total Production Cost (1000 Pesos)	Peanuts 100 0 -100	30,751 26,430 Paddy -Imigated 4,321 30,610 25,289 0 -6,582 0 -6,582	7,921 3. Unit Yield (tonfna) Beans 0 0	0 098 moO 098.	0 -183 Paddy-Irrigated(Wet) 3.10 4.10 Peanus 0 -183 0 -183 0 -183 38,672 26,726 Dainfad (Max) 9.00 5.00 Total 11,946 30,510 18,664	10	Pesos) Corn 1.20 8, Flood Damaged Value (1000 Pesos) 7.991 Peanuts 0.70 0.3966	9. Total Net Production Value (1000 Pesc) 4. Unit Price (Pesc/ton)	Ha (Pesonna) Paddy 3,500 3,500 10. Net Production Value per Ha (Pesonna) 31,606 24,926 Beans 9,900 9,900 6,680 19,663 12,983	Peanus 7,500	5. Unit Production Cost (Pesorha) 12. Net Farm Income per Ha (Pesorha) 12. Net Farm Income per Ha (Pesorha) 13. Net Farm Income per Ha (Pesorha) 13. Net Farm Income per Ha (Pesorha)	Paddy-Irrigeted(Wet) 3,790 5,200 1,410 (Dry) 3,790 5,620 1,830 -Painfed (Dry) 3,090 Beans Com
- Proposed Cropping Pattern A -	Item Without Project Pro	S. Gross Farm Income (1000 Pesos)	-frigated 12,369 -Rainfed 16,401	O 80	Total 30 843		7. Total Production Cost (1000 Pesos)		Paddy -Irrigated 4,321 30, -Painted 6.582	0		Peanuts 183 Total 11,946 38,		8. Flood Damaged Value (1000 P.	9. Total Net Production Value (1000 Peso)	10. Not Production Value per Ha	11. Irrigation Service Fee per Ha (Peso/ha)	12. Not Farm Income per Ha (Peso/ha)	
Proposed (incre- mental	¢	ì		2,384	-2,130	2,829	100											1,460
1	With	0			2,829		2 829	0			i	5.00	1.50			008 6 008 6	7,500		5,250 5,620 2,800
	Without Project	0			44 8 8 8 8 8		430	100			1	3.10 0.10 0.20	ì	0.70		008.6	7,500	'eso/na)	3,790
:		1. Total Paddy Field (ha)	1	2. Harvestød Area (ha)	Paddy-Irrigated(Wet)	-Rainfed (Wet)				3. Unit Yield (ton/ha)		Paddy-imgeted(Wet) (Dry)			4. Unit Price (Peso/tan)			5. Unit Production Cost (Peso/ha)	Paddy-Irrigated(Wet) (Dry) -Rainfed (Dry) sens

Table 6.18 (14) Farm Budget of Pinacanauan River Irrigation System

-Proposed	-Proposed Cropping Pattern A -		-Proposed (Proposed Cropping Pattern B ·
tem Without With Incre- Project Project mental	Item Without With Incre- Project Project mental	Item Without Project	With Incre- Project mental	liem Without With Incre- Project Project mental
1. Total Paddy Field (ha) 1,200 1,200 0	6, Gross Farm income (1000 Pesos) Paddy - Irrigated 6, 482 39, 900 33, 418	1. Total Paddy Field (ha)	1,200 0	6. Gross Farm Income (1000 Pesos) Paddy - Irrigated 6.482 38.220 31.738
2. Harvested Area (ha)	7,487 0 -7	2. Harvested Area (ha)		-Rainfed 7,487 0 -7
	its Total 14,	Paddy-trigated(Wet) 270 (Dry) 260 -Rainfed (Wet) 930	1,20	Com 684 0 - 584 Peanuts 210 0 - 210 Tobal 14,863 38,220 23,357
0 1,200 190 0 40 0	tion Cost (1000 Pesos) d 2,265 13,044		000	on Cast (1000 Pesos) 2,265 12,984
rield (tor/ha) dy-trrigated(Wet) 3.20 (Dry) 3.80 -Rainfed (Wet) 2.30	-Rainfed 3,004 0 -3,004 Beans 0 3,860 3,860 Com 380 0 -380 Peanuts 73 0 73 Total 5,722 16,404 10,682	3. Unit Yield (ton/ha): Paddy-Irrigated(Wet): 3.20 (Dry): 3.80 -Rainfed (Wet): 2.30	5.00	Pears 73 0 -73,004 Bears 73 0 -7380 Com 73 0 -7380 Total 5,722 12,984 7,262
Beans 1.50 Corn 1.20 Peanuts 0.70	8. Flood Damaged Value (1000 Pesos)	Bears Corn 1.20 Peanuts 0.70		8. Flood Damaged Value (1000 Pesos)
4. Unit Price (Peso/ton)	9. Total Net Production Value (1000 Peso) 9, 141, 41, 316 32, 175	4. Unit Price (Peso/ton)		9. Total Net Production Value (1000 Peso) 9,141 25,236 16,095
Paddy 3,500 3,500 Beans 9,900 9,900 Corn 3,000 3,000 Peanuts 7,500 7,500	 Net Production Value per Ha (Peso/ha) 7,518 34,430 26,812 Irrigation Service Fee per Ha (Peso/ha) 280 1,400 1,120 	Paddy 9,500 Beans 9,900 Com 3,000 Peanuts 7,500	3,500 3,000 7,500	10, Net Production Value per Ha (Pesc/ha) 7,618 21,030 13,412 11. Irrigation Service Fee per Ha (Pesc/ha) 280 875 595
5. Unit Production Cost (Peso/ha) Paddy-Irrigated(Wet) 3,910 5,250 1,340 (Dry) 4,650 5,620 970 -Rainfed (Dry) 3,230 2,800 Corn 2,000 Peanuts 1,830	12. Net Farm Income per Ha (Peso/ha) 7,338 33,030 25,692	5. Unit Production Cost (Peso/ha) Paddy-Irrigated(Wet) 3.910 (Dry) 4.650 -Rainfed (Dry) 3.230 Beans Corn 2.000 Peanuts 1,830	5,200 1,290 5,620 970 2,800	12 Net Farm Income per Ha (Peso/ha) 7,338 20,155 12,817

Table 6.18 (15) Farm Budget of Tumauini Irrigation System

kem	Without Project	With Project	Incre- mental	Item	Without Project	With Project	Incre- mental	llem	Without Project	With Project	Incre- mental	them	Without Project P	With Project	incre- mentai
1. Total Paddy Field (ha)	6 0 7	200	c	6. Gross Farm Income (1000 Pescs)	ome (1000	Pesos)		1. Total Paddy Field (ha)	t)	5 6	c	6. Gross Farm	Gross Farm Income (1000 Pesos)	(sose)	
		222		-Irrigated -Rainfed	_	114,048	89058 -20528			2	`\	Paddy -Irrigated -Rainfed	24,990 20,528	125,288 1	100,298
2. Harvested Area (ha)				Beans Corn	3,429	59,207 0	59,207	2. Harvested Area (ha)				Beans		00	-3,429
Paddy-Irrigated(Wet) (Dry) -Rainfed (Wet)	1,430 670 2,550	3,730	2,490 -2,550	Peanuts Total	,	173,255	-1,523 122785	Paddy-Irrigated(Wet) (Dry) -Rainfed (Wet)	1,430 670 2,550	3,987	2,557	Peanuts Total	50,470 12	125,288	74,818
Dearls Corn Peanuts	1,270		1,270	7. Total Production Cost (1	n Cost (100	000 Pesas)		Corn Peanuts	1,270		-1,270	7. Total Produc	7. Total Production Cost (1000 Pesos)	Pesos)	
		•	•	Paddy -Irrigated -Painfed	8,736	37,342	28,606 -8,237			,		Paddy -Irrigated -Painfed	8,736	42,594	33,858
3. Unit Yield (ton/ha)				Bears		11,164	11,164	3. Unit Yield (tor/ha)	-		-	Bears	0 60 0 0 0 0 0	00	0 60 61
Paddy-irrigated(Wet) (Dry) -Rainfed (Wet)	3.40 2.30	5.00		Peanuts Total	19,409	48,506	29,097	Paddy-irrigated(Wet) (Dry) -Rainfed (Wet)	3.40	5.00		Peanuts Total		0 42,594	-531
Beans Corn Peanuts	0.30	 06:		8. Flood Damaged Value (1000	Value (1000	3,160		Gorn Feanuts	0.90			8. Flood Damaged Value (1000		Pesos)	
4. Unit Price (Peso/ton)				9. Total Net Production Val	ation Value	ue (1000 Peso) 121,589 9	90,528	4. Unit Price (Peso/ton)				9. Total Net Pr	9. Total Net Production Value (1000 Peso 31,061 81,205	(1000 Peso 81,205	50,144
Paddy Beans Corn Peanuts	3,500 8,900 3,000 7,500	3,500 3,000 7,500		10. Net Production Value p. 7,791. 11. Irrigation Service Fee 9306		or Ha (Peso/ha) 30,496 22 per Ha (Peso/ha) 3,270 2	na) 22,705 22,705 //na) 2,964	Paddy Beans Corn Peenuts	3,500 8,900 3,000 7,500	3,500 9,900 3,000 7,500		10. Net Production Value F 7,791 11. Irrigation Service Fee 306	tion Value per H 7,791 21 6rvice Fee per	20,367 13 per Ha (Peso/ha)	a) 12,576 ha) 2,424
5. Unit Production Cost (Peso/ha)	Peso/ha}			12. Not Farm Income per He (Pesoina)	me per Ha	(Peso/na)	10 741	5. Unit Production Cost (Peso/ha)	(Peso/ha)			12. Net Farm Ir	12. Net Farm income per Ha (Peso/ha)	eso/ha)	10 150
Paddy-Irrigated(Wet) (Dry) -Rainfed (Dry) Beans	4,160 4,160 3,230	5,250 5,620 2,800	1,090	•				Paddy-Irrigated(Wet) (Dry) -Rainfed (Dry) Beans		5,200 5,820 2,800	1,040			2	
Corn	1,500							Corn Peanuts	1,500						

Table 6.19 Net Farm Income per ha of Irrigation Development Schemes (Financial Price)

(Unit: 103 P/ha)

	Proposed	Cropping A & C	Pattern	Proposed	Cropping B & C	Pattern
Name of Scheme	Without Project	With Project	(2)/(1)	Without Project	With Project	(4)/(3)
	(1)	(2)		(3)	(4)	
New Irrigation Scheme						
(1) Chico Mallig IP	4	32	8.0	4	20	5.0
(2) Matuno RIP	8	30	3.8	8	20	2.5
(3) Dabubu RIP	4	30	7.5	4	24	6.0
(4) Zinundungan IEP	6	27	4.5	6	19	3,2
(5) Alcala Amulung West IF	4	24	6.0	4	18	4.5
(6) Tuguegarao IP	4	24	6.0	4	22	5.5
(7) Lulutan IP	5	29	5.8	5	18	3.6
(8) Ilagan IP	3	26	8.7	3	25	8.3
(9) Gappal IP - Pump	4	28	7.0	4	18	4.5
- Dam	4	31	7.8	4	22	5.5
						٠
Rehabilitation / Improvemen	t Scheme		:			
(1) Dummun RIS	9	32	3.6	9	20	2.2
(2) Baggao IS	9	33	3.7	9	20	2.2
(3) Solana IS	6	28	4.7	6	16	2.7
(4) Pinacanauan IS	7	33	4.7	7	20	2.9
(5) Tumauini IS	7: 4	27	3.9	7	18	2.6

Table 6.20 Number of Beneficiaries per ha of Irrigation Service Area

		(Unit: person/ha)
Name of Scheme	Beneficialies per ha (person/ha)	Index (Total Average = 100)
New Irrigation Scheme		
(1) Chico Mallig IP	3.1	71
(2) Matuno RIP	6.3	141
(3) Dabubu RIP	5.1	115
(4) Zinundungan IEP	2,9	66
(5) Alcala Amulung West IP	1,9	43
(6) Tuguegarao IP	6.1	137
(7) Lulutan IP	4.4	100
(8) Ilagan IP	8.4	190
(9) Gappal IP	4.8	108
(Average)	(4.1)	(93)
Rehabilitation/Improvement Scheme		
(1) Dummun RIS	3.2	72
(2) Baggao IS	4.8	108
(3) Solana IS	8.1	183
(4) Pinacanauan IS	8.3	189
(5) Tumauini IS	6.0	135
(Average)	(6.0)	(137)
Total Average	4.4	100

Table 6.21 Priority Ranking of Irrigation Development Schemes

	The second second second			,	
Manya of Cohama	Net Farm Income <u>/1</u> per Ha under with Project Condition (10 ³ P/ ha)	Ranking by Net Farm Income	Number of Beneficiaries per Ha (Person/ha)	Ranking by Number of Beneficiaries	Overall Ranking
Above 15% of EIRRs					
Pinacanauan IS	33	1	8.3	2	1
Chico Mallig IP	32	2	3.1	8	2
Dabubu RIS	30	3	5.1	5	3
Lulutan IP	29	4	4.4	7	4
Solana IS	28	5	8.1	3	5
Gappal IP (Pump)	28	5	4.8	6	6
Ilagan IP	26	6	8.4	1	7
Tuguegarao IP	24	7	6.1	4	8
Alcala Amulung West	IP 24	7	1.9	9	9
Under 15% of EIRRs			e e tart e _{de}		grand Vije
Baggao IS	33	1	4.8	3	10
Dummun RIS	32	2	3.2	4	11
Matuno RIP	30	3	6.3	1	12
Tumauini IS	27	4	6.0	2	13
Zinundungan IEP	27	4	2.9	5	14

Note: 1; Taken the case of proposed cropping pattern A & C.

able 7.1 Grass Yield and Total Digestible Nutrients

(1) Fasture Grass	Fresh Yield (ton/ha)	Dry Marcer Yield (ton/ha)	TDN(L)
- Cuinea grass	40.0	8.4	6.0
- Para grass	70.0	14.7	10.5
- Centro	30.0	9.9	6.9
- Stylo	50.0	0.6	9.1
(Average)	47.5	9.6	8.3
(2) Meadow Grass			
- Guinea grass	70.0	14.7	10.5
- Para grass	0.06	18.9	13.5
- Centro	\$0.0	11.0	11.5
- Stylo	70.0	12.6	12.7
- Napier grass	140.0	28.0	22.4
- Ipil-ipil	50.0	17.0	12.5
(Average)	80.0	17.0	13.9

Note: /1: Total digestible nutrients

Sat	Classification of Cattle	Average Age (Month)	Average Veight (kg/head)	No. of Cattle (head)	Percent (2)
(i) Grazing	හි				
a. B	Breeding - Bull	78	over 530	, ~	
	Cox	. 82	over 425	146	38
•	Young bull 1	82	470	7	2
•	Heifer	30	380	30	00
•	Yearling heifer	18	305	97	12
	Yerarling bull	.82	355	S	p(
	(sub total)		(399)	(235)	(63)
ຶ່ນ . ຈ	Calves				
. 1	- Male	9	150	87	13
t :	Female	49	130	87	13
	(sub total)		(140)	(96)	(36)
Tc	Total of Grazing		324	331	89
(2) Feedlor	or Feeding		355	7.7	1,

11: Including young bull of 2 heads for new blood line

1. Present Condition		1. Period and Live Weight		
(I) Grazing rate	0.4 heuds/ha/year	(1) Period	8 months	
(2) Average area of cattle	280 lta	a) Starting	16 months old	
ELYCO		b) Completing	24 months old	
(3) Gapucity of grazing cattle in (2)	120 heads/280 ha	(2) Increase in live weight	150 kg or more/head	
(4) Grazing system	Continuous grazing	a) Starting	250 kg/head	
II. Future Condition		b) Completing	400 kg or more/head	
(1) Average feed intake	48 kg of fresh grass/head/day	(3) Average daily gain	0,65 kg/day	
o) Tun of 48 kg (Fresh grass)	8.4 kg/head/day	II. Feeding Plan per Day	take Dry	NOT COL
b) TDN requirement for be of cattle (Average live weight of 320 kg)	5.0 kg/ha	(1) Forage grass (2) Rice bran (3) Total	19.00 4.06 2.40 2.19 21.40 6.25	3.31
c) Z of (a) to (b)	1682	III. Meadow		
(2) Average fresh grass yield in the pasture	47.5 tons/!:a	(1) Average yield of meadow grass		
(3) Possible feed intake	0.55	(1) Annual number of yearling steers for fattening	4 L nezos	
(4) Grazing rate	Avernae Yield/ha x Possible feed intake ratio		240 days (8 months)	
	ed intake x365 days	(4) Forage requirement	4,560 kg/head/240 days (19 kg/day x 240 days)	
	47.5 tons/ha x 0.5 0.048 x 365	(5) Area of meadow required	2 8 ha	
	= 1.3 heads/ha/year		(4.56 ton x 41 heads)	
(5) Area of pasture	275 ha		/ 60 COUS/116 /	
(6) Maximum capacity_of grazing cattle in (5)	357 heads			
(7) Number of grazing cattle in the future	331 heads			
(8) % of (7) to (6)	93%			
(9) Grazing system	Rocational Grazing			
a) Number of paddock	80			
b) Grazing duration	7-10 days/paddock			

Table 8.1 Future Agricultural Production in the Basin (2005)

	Physical	Cropping	Harvested	Average	
Item	Area (10° ha)	Intensity (%)	Area (10 ³ ha)	Yield (ton/ha)	Production (10° ha)
l. Lowland		,			
 Paddy Field (Irrigated) Palay 	291.8	180	525.2	3.8.	1,996/1
	14.2	250	35.5	3.8/1 3.5/1	99/1
(Total)	306.0		560.7		
2) Corn Field (Rainfed)					
. Corn	~	-	274.0	1.4	384
Peanut	~	**	30.0 4.4	1.0 6.0	30 26
. Vegetables . Beans		<u> </u>	2.5	0.6	1.5
(Total)	142.0	219	310.9		
3) Other Annual Cropland (Rainfo	-d)				
- Tobacco	14.2	100	14.2	0.9	13
- Sugar cane	10.0	100	10.0	60.0	600
- Root crops	3.8	189	<u>7.2</u>	4.76	34
(Total)	28.0	111	31.2		
. Upland	•				
1) Permanent Cropland					
- Fruits & Nuts	44.4	100	44.4	9.0	400
- Coffee - Coconuts	6.5 4.1	100 100	6.5 4.1	0.8 5.0	5 21
- Others	2.0	100	2.0	4.0	8
(Total)	57.0	100	57.0		
0	476.0		· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·
Crop Total	476.0			····	·
B. Livestock Production			,	(Uni	t: 10° head)
	1	Annual			
Livestock, Poultry & Dairy Product	Total Population	Change in No. of Head (2004/05)	No. Slaug	htered	Livestock Production
) Carabao	862	41		69	110
Cattle	279	45/2		69	114
					114
	41.5	20		141	114
Hog	612	20		464	484
) Hog) Goat	406	53		25	484 78
) Hog) Goat			24,	25	484 78 24,562
Hog) Goat) Chicken & Duck	406	53		25	484 78 24,562 (10³ ton) 21.6
3) Hog 1) Goat 3) Chicken & Duck 3) Egg	406	53		25	484 78 24,562 (10³ ton)
3) Hog) Goat 5) Chicken & Duck 5) Egg	406	53		25	484 78 24,562 (10 ³ ton) 21.6 (10 ³ f)
) Hog) Goat) Chicken & Duck) Egg) Milk	406	53 323	24,	25 239	484 78 24,562 (10° ton 21.6 (10° f) 15,860
Hog Goat Chicken & Duck Egg Milk	406	53	24, - - - Unit	25	484 78 24,562 (10 ³ ton) 21.6 (10 ³ f) 15,860
) Hog) Goat) Chicken & Duck) Egg) Milk . Fishery Production	406	53 323 	24, - - - - - - - (to	25 239 Yield	484 78 24,562 (10 ³ ton) 21.6 (10 ³ f) 15,860 Production
3) Hog i) Goat 5) Chicken & Duck 6) Egg 7) Milk C. Fishery Production Cotal Fishery Product	406	53 323 	24, - - - - - - - (to	Yield	484 78 24,562 (10³ ton) 21.6 (10³f) 15,860 Production (ton)
3) Hog i) Goat 5) Chicken & Duck 6) Egg 7) Milk C. Fishery Production Cotal Fishery Product	406	53 323 Area (ha) 3,360	24, - - - - - - - (to	Yield	484 78 24,562 (10³ ton) 21.6 (10³ f) 15,860 Production (ton) 3,700
3) Hog 6) Goat 5) Chicken & Duck 6) Egg 7) Milk C. Fishery Production Cotal Fishery Product	406	53 323 Area (ha) 3,360	24, - - - - - - - (to	Yield	484 78 24,562 (10³ton) 21.6 (10³f) 15,860 Production (ton) 3,700 Logwood Production
3) Hog 6) Goat 5) Chicken & Duck 6) Egg 7) Milk	406	53 323 Area (ha) 3,360	24, - - - - - - - (to	Yield	484 78 24,562 (10,500) 21.6 (10,1) 15,860 Production (ton) 3,700

Note: /1: Corn yield and production.

^{12:} Including the number of head calculated on the basis of the increase in live weight compared between 1985 and 2005.