INVENTORY OF CONSTRUCTION EQUIPMENT: A2 CLASSIFICATION, AS OF 1990

RIOPIO	Crano (Craw- ler, Truck)	Tractor Dozes/ Crawles	Road Grader	Errava- tor (Back- hoe)	Losder (Craw- kr. Wheel, Forklift)	Rotler (Vibra- tory/ Static)	Damp Track	Truck (Repair Shop Mobile/ Lubret)	Tanker (Water/ Fuel)	Stake Truck/ Ord. Truck	Ab Cora- pressor	Drilling Machina	Portable Con- crete Mixes	Com- pactor (Plate)	Concrete Vibrator	Welding Machine	Porta- ble Jack- Hammer	Gene- rator Ser	Chain Saw	Weser Pump (Meter/ Captri/ Propts)	Others*
Regional Invigation Offices (excluding systems)								,									·····			111707	
RiOI	1_1_	7	<u> L.</u>		2											L			<u> </u>		
RIO II RIO III	2	1	2		2		4			1-1-	3		1		1	 -		$-\frac{1}{2}$		· 1	2
RIO IV RIO V	1	7	2	1	3	3	2			1			1		4	-	·	3		10	1
RIO VI RIO VII/VIII	2	6	1	1	3	3	4	1			2		3							4	8
RIO EX	2	4		2	3	1	i		2	2											T
RIOXI					1		1			3								1		3 i	
RIO XII TOYAL FOR RIOs National Irrigation Systems	13	53	13	12	24	. 9	21	2	3	3 11	9	0	17	e	6	. 0	- 0	8	0	29	15
REGION I	2 9	6 47	1 25	8 24	6	3 21	39	4	9	16	- 10		10 49		40	1	L			2	11
REGION III	9	28	13	8	9	. 3	29	2	5	10	ì	6	- 5			7	<u>_</u> _	15 6	2	47	25 273
REGION IV REGION V	1	17	8	4	3	9	18	3	3	7	3		10 12	1		5 2		-6-	4	34. 15	24 4
REGION VI REGION VILVIII	3	1	1	- 1	8 -		10	-	2	3	2.		2			1		<u>1</u>		9	12
REGION X	3	26	4	9	L 5		29			20	5 .		16	1	25	2		7	5	3 28	40
REGION XI	4	50	9	15	6	9	57	1	2	3	3		34		37	4		<u> </u>	22	67	15
REGION XII TOTAL FOR NIS:	33	158	65	73	4 74	49	16 209	10	22	67	24	6	6 134	2	103	28	1	43	33	17 234	11 426
Provincial Irrigation Offices 1 PiO Bocca Note		2	2		ı		2 .				1		4								
PIO Abra PiO Bocos Sur		1		1			1			1							- 5			2	
PiO Mountain Province PiO La Union		<u> </u>					3	 					4								
PIO Benguet							1			3 .											
PIO Pangasinan Sub-Total	0	4	2	2	1	1	7	0	0	4	1	0		9	9	0	5 :	0	0	2	0
fi PiO Cagayan PiO Kalinga Apayao	<u> </u>	5	 		1					-			2							3	
PIO babela PIO ifugio			<u> </u>				1								1						
PIO Nueva Vizceya PIO Quirino				1			2			11	1										
Sol-Total III PIO Nucra Ecije	0	5	6	1	1	9	4	0	0	ī	1	0	2	0	1	9	0	0	0	_3	0
PIO Turisc							1														
PIO Zambales PIO Pampanga		1								1										2	
PiO Bulacan PiO Balan	-	1			1		1										ļ			-i	
Sub-Total IV PIO Aurora	0	3	•	0	1	0	2 2	9		2	0	0	0	0			0	0	5	3	0
PIO Quezon		1																			-
PIO Rizal PIO Cavha							'														
PIO Lagura PiO Batangar									-								ļ			4	
PiO Marsidoque PiO Miadoro Oriental										1										1 2	
PIO Mindoro Occidental PIO Rombica		2		1	1.		. 3			1			Ĩ		1					2	8
PiO Palaean		1	2	4	2	1	6			1			. 2		3						
Sul-Total V PIO Camarinea Norte	9	4			3	1	12	0	0	4 .	8	0	3	6	1	9	-1-	1	0	- 4	8
PIO Camarines Sur PIO Catandranes							-				·									2	
PIO Albay PIO Sorsogon	-			1			1			1										3 2	
PIO Mastete Sub-Total																					
VI PIO Aklea	0	•	۰	1	. 0	0	2	0	0			0	3	0	0 i	0	1	0	6	11	0
PlO Capia PlO Antique							2						1				<u> </u>	<u> </u>			ļ
PiO ficilo PiO Negros Occidental		4	ļ	2			1 3			1			2							1	ž
Sub-Tetal VII PIO Cabu	6	4	9	2	0	6	1	0	0	1	. 0	0	3	0	1	0	0	0	0	1	2
PlO Negres Oriental							2			1	i		3						- : .	2	
PIO Bobol Sub-Total	0	1	-	1	0	1	1 3	e	1	1	Ġ	0	1 4	G	í 1	0	0	0	D	5	1
VIII PIO Northern Samu PIO Samur													1							2	1
PiO Eastern Sensir PiO Northern Leyte		- 1		1			- 4						1							2	i i
PIO Southern Leyto				1												لتبتا					
Sub-Total X PiO Zambosnga del Norte	9	1 2		2	0	0	5 1	0	0	0	0	0	3		0	. 0	3	0	0	4	3
PlO Zansboanga del Sur Sub-Total	0	3	0		0	0	3	0	0	1	ð	6	0	0	0	G	1	0	0	1 2	-0
X PIO Surigao del Norte PIO Agusea del Norte		1		1			3			1			1 2								
PIO Missmis Oriental PIO Missmis Occidental		i		1			1														
PiO Rukicoco		-			4 1		3														
PIO Agunta del Sur. Sub-Total	9	3	0	2	0	. 6	- L - 9	0	0	1	- 0	0	4	0	ō	0	0	0	0	2	0
XI PIO Surigeo del Sur PIO Davao Ocizatal			1				2		1				1							3	
PIO Daves del Norts		3								1			2					1		2	
PIO Daviso del Sur PIO South Cotabato	1	3		2			6			2			7					<u> </u>		3	5
Sub-Total XII PIO Lenso del Noto	1	6	2	1	1	e	18	1	1	4	2	0	10	9	. 0	0	0	ž	0	8	5
PIO Lanao del Sur PIO North Cotabato				2	1		3			.:		1	2				1			1	
PIO Maguindanao PIO Suhan Kuderat		1 3		1		1						1	2		1		<u> </u>				
Sub-Total TOTAL FOR PIOs	•	4	8	4	2	1	5	0	0	- ê	2	. 0	6	0	ı	9	2	.0	0	2	6
TOTAL FOR RIOS,	1	38	*	24	9	4	π	1	2	20	4	0	46	. 0	8	0	12	3	0	52	19
NISt AND PIOs A2 Non-operable during the	47	279	\$6	109	167	52	307	!3	27	98	37	6	197	2	117	28	13	54	33	315	454

A2 - Non-openable during the time of tieventy but needs only minor repair

Inchedes firm cretor, rice mill, weed courter, rice drier
Source : Annual Equipment, Supplies and Materials Inventory for Calendar Year 1990, NIA

INVENTORY OF OFFICE EQUIPMENT (SELECTED), AS OF 1990

			,			· · · · · · · · · · · · · · · · · · ·			·			·	(Unit : No.)
Rto Pio	Blue Printing Machine	Drafting Biachine	Copying Machine	Typewriters	Alr Conditioner	Time Recorder	Calculators	Personal Computer	Electric Scanner	Transparency Projector	Radio Base Transreceiver	Mobile Radio	Strei Cabinei
Regional Irrigation Offices												:	
RIOI	2	9	3 6	31	33	2	112 34	3		4	2	10	98 36
RIOIII	1	1	3	29 25	20		43	2	l	<u> </u>			68
RIO IV	·	5	 	20		 	i 9	3	-		1	2	68
RIO VI RIO VILVITI	3	1 2	7 5	64 15	22 9	1	161 22	2 2	,				86 20
RIO IX								<u> </u>					
RIO X RIO XI	2		1	20	12	ļ	34		 				72
RIO XII	ı	•	3 .	34	26		89	3			13	6	62
TOTAL FOR RIOS	16	30	29	135	132	3	519	24	11	5	27	20	510
National Irrigation Systems							147						126
REGION I	3	16	9	41 75	8	55	129		9	2	19	3 8	145
REGION III	2	12	5	52 28	9	14	33 98	2			2 11	2	67 85
REGION V			1	18 65	5		34 153			,	4		31 102
REGION VI REGION VILVIII		12	6	20	3	4	30	1 L			2	3	33
REGION IX REGION X	3	13	i .	40	2		74	1			3	6	123
REGION XII	3	8 16	<u>6</u> 5	41 50	7 .	2	97 161	2 4			5 13	3 8	78 99
1													
TOTAL FOR NISs Provincial Errigation Offices	14	81	49	431	60	31	961	10	11	3	60 .	45	909
I PiO Docos Norm		3	<u></u> _	6		<u> </u>	5	1	L				
PiO Abra PiO Bocca Sur	1	-		3	2		6				<u>i</u>		
PIO Moznova Province		3	<u> </u>	9			14				1		
PiO La Uzion PiO Bengant	1	1	1	3 8			29				1		
PIO Pingesmen Sob-Total	- 2	5	1	31	1	· •	5 59	1 2	: 0		5		6
II PIO Cagayan	1	1		7			15	•					
PiO Kelinga Apsyso PiO lasbela	0	0	0	6 3	1		10	0			0		
PIO Ifagao PIO Noeva Viscaya	1			3	1						1		
P/O Quirino	l	1	-	3			10						
Seb-Total Ili PiO Nueva Ecija	3	2 2	1	25	2	0	35 10	0	0	e	2	0	0
PiO Tarlec PiO Zamboles		2	1	<u>6</u> I	3		3				<u>i</u>		
PiO Panganga		l	1	. 3	2		4	·			1		
PIO Bulscen PIO Batam		1	· · · ·	. l	·		2						
Sab-Total IV PRO Aurora	Ç J	7	3	23	8	0	24	0	6	0.	1	0	0
PiO Quesoa				3	3		15				· ·		
PiO Rizal PiO Caviro		1		1 2	1	· · · · · ·	7						
PiO Lagura PiO Batangan		1		3	3		2 10	1					
PiO Marinduque		1		2			4	1			1		
PiO Mindoro Oniental PiO Mindoro Occidental	1	1	1	- 4 11	4		20	-			1		
PiO Remiden PiO Palawan	· · · ·			5			. 15				2		
Sub-Total	2	6	3.	35	16	•	n	<u>;</u>	•		3	•	
V PIO Camarines Norto PIO Camarines Sur		1		5	2	1	10 21						
PiO Catenduanea PiO Albay	i .	1		5 7			11 7	- :					
PiO Sorsogon	1	- · · ·		6			10				1		
PiO Mashate Sab-Total	2	1	2 2	7 34	3	1	\$9	•	0	•	1 3	0	0
VI PIO Akian Pio Capiz				4	!		10				ı		
PiO Antique				4			3				1		
PiO Boile PiO Negros Oscidental		<u>i</u>		3 9		-	- 1				1		
Sab-Total VII PIO Cebi	1	1 1	0	29	2	1	15 15	G I	e		3	•	- 0
PiO Negros Oriental PiO Bohol	1	3 2		9	3	-	20				1 1		
Sub-Total	3	6		29	4	3	35			0	3	0	. 0
VIII PIO Northern Samer PIO Samer		1		4			16	-			1		
PIO Eastern Sazzar PIO Northern Leyes		1			4		31				1		
PiO Southern Leyte	1 .	1		4	3			·			1.2		
Sub-Total IX PiO Zamboznga del Norte	1	3	3	13	7	8	55	0	0		1		0
PiO Zamboenga del Sur Sub-Total		9		7 8	0	0	ī	! 1	,	0	1	0	0
X PiO Scrigso del Norte				2			10		· •				
PIO Agusan del Norte PIO Misaguis Oriental	1	3		3			5	•			i	_ 1	
PiO Mitamis Occidental PiO Bukidnon	1			3	1		ž 20				-		
PiO Agusan del Sur	1	•	1 :	- 7			8				1		
Sub-Total KI PiO Surigao del Sur	3	1	. 1	20 4	1	9 - 1	51 8	0	0	•	2		0
PiO Davao Orientel PiO Davao del Norte				2	2	1	10 10	1			4 8		
PiO Davao del Sur	1		1	7	2	- 1 - 1 T	15	1	74 4 4 4 4		2		
PiO South Cotabato Sub-Total	3	1 1	3	10 29	7	2	65 166	3	6	0	8 22	0	0
CII PIO Lanzo del Novie PIO Lanzo del Sur				6	7		5 7				16		
PiO North Cotabeto					5		20	2	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2		
PIO Mageindenso PIO Suiten Kudarai	i	2 2		7 6	2	1 11	3	3			1 2		
St5-Total TOTAL FOR PIOs	. 1	4	1	29	15	2	35	9	9		21	6	0
TOTAL FOR RIOS	21	40	15	291	78	- * -	560	18	0	0	71	•	
NISSAND PIOS	51	151	%	960	262	42	2040	52			153	65	1415

Sources: \$5000 Institutional Survey for RIOs & PiOs

Annual Resistances Surveyles and Manual Resembles for Calendar Very 1990 Bits

(Unit : No.)

RIO/NIS/PIO		4 - WHEEL			PICK - UP		,	MOTORCYCLE			OTHERS*	(Unit : No
Regional Irrigation Offices	Al	A2	TOTAL	A1	A2	TOTAL	Al	Až I	TOTAL.	Al	A2	TOTAL
(excluding systems)	; ,	1	10	ιο	5	15	. 5		5	1	2 .	. 3
RIO B RIO III	6 7	2	8 9	9	7	10	12	i	13	4	1	5
RIO (V	9	6	15	8	1	9	25	2	27	3	0	3
RIO VI		1	9	3	3 12	11 15	17 9	2 2	19	6	0	9
RIO VII/VIII RIO IX	3	2	3	4	5	4	17	5 4	22 10	2	0	3
RIOX RIOXI	3 8	3 7	6 15	: 2 .	1 4	3 12	3	5 3	6	8 S	0	
RIO XII	3 64	3	6	7	4	11	8	2	10	1		2
TOTAL FOR RIOs Nailousi lirigation Systems		36	94	66	40	106	106	26	131	36	9	45
REGION I	. 7	3	- 10	23 -	10	33	158	23	181	3	0	3
REGION II REGION III	44 56	24 27	68 83	53 65	30 26	83 91	330 440	40 59	370 499	12 10	14	26 16
REGION IV REGION V	44	3ð 5	74 16	49 25	. 18 4	77 29	270 120	52 14	322 134	13 0	7 2	20
REGION VI REGION VII/VIII	14	3	7	17 18	4 6	21 24	35 35	36 12	51 47	1 3	0	1 1
REGION IX	1 19	0	ī	3	4	7	1t	2	13	0	0	. 0
REGION X REGION XI	33	9 13	28 46	30 46	14 12	55	71 121	44	88 165	6 13	6	12
REGION XII TOTAL FOR NES	.5 23	5 120	10 358	17 346	0 138	17	54 1645	12 291	66 1936	62	36	93
Provincial Irrigation Offices			·									
1 PIO Bocos Norte PIO Abra	1 2	1 0	2 2	2	0	2 2	1 3	0	1 3	0		0
PIO Bocos Sur	1	11	2	1	1	2	. 3	. 0	3	0	0	0
PIO Mountain Province PIO La Union	0	0	1 0	2	0	. 2	3	0	3	0	0	0 1
PIO Benguet PiO Pangasinan	0 1	0	0	2 2	0	2 2	6	0	0	0	0	0
Sub-Total II PiO Cagayan	5	3	8	13	1	i4 2	19	6	19	6	1 0	1 0
PIO Katings Apayao	3	1		3	. 1	4	6	0	6	0	0	. 0
PiO isabela PiO ifugao	2 1	0	2	3	0	3 l	5 6	0	5 6	0	0	0
PIO Nueva Vizcaya PIO Quirloo	1	0	3	3	0	3 2	7	0	7 3	1	0	1
Sub-Total III PIO Nuova Ecija	. 9	3	12	14	1 0	15	33 3	1 4	34	2 0	8	2
PIO Tarlec	2	0	2	1	1	2	8	0	8	Ö	0	0
PiO Zambalea PiO Parapenga	2	0	2	0	0	1	6	0 1	7	0	0	0
PIO Bulscen PIO Batan	2	0	1	2	0	2	8 4	0	9 4	0	0	0
Sub-Fotal IV PIO Aurora	8	0	8	1	3	19 2	33	6 2	39	0	0	0
PIO Quezon PIO Rizal	0 1	2	2		0	1	3	0 2	3	0	0	0
PIO Curito	1	0	i	0	1	ì	5	. 0	5	ó	0	0
PIO Laguja PIO Batangas	1 2	0	1 2	1 2	1 9	2 2	9	0	9	0	0 0	0
PIO Marindague PIO Mindoro Oriental	1	1	2	0	2	2	2	2	6	0	0	0
PIO Mindoro Occidental PIO Rotablon	3	1	3	<u>i</u>	1	2 2	2 5	0	3 5	0	0	0
PiO Palawan Sub-Total	2 15	0 5	2 28	3	1 8	20	8 46	1 1	9 54	0	0	0
V PIO Cemarines Norte	1	0	1	0	1	1	3	2	- 5	0	0	0
PIO Cettarines Sur PIO Cettardosmos	1	0	1	2	0	2	3	1	4	G D	0	0
PIO Albay PIO Sorsogou	1	0	1	0	0	2	. 3 1	0	3	0	0	0
PIO Musheta Sub-Total	1	1	2	1	0 2	1 8	3 16	5	3 21	0	0	0
VI PIO Akua	2	0	2	2	2	4	- 6	3	9	ò	. 0	0
PiO Capiz PiO Antique	2	i 0	2	3	0	4	4	1	5	0	0	0
PIO Boile PIO Negros Occidental	0	0 3	3	3 1	0	3 l	7	2	5	0	0	0
Sub-Total VII PIO Ceba	6	4	10 5	13	3	16 3	25 7	9	34	0	0	
PIO Negros Oricetal PIO Bohol	2 2	0	2	2 2	0	2 3	1 8	6 2	7 10	1 2	0	1 3
Seb-Total	8	1	9	- 6	2	8	16	. 8	24	3	2	5
VIII PIO Northerts Samer PIO Sarvar	1	0	1	2 2	0 1	3	2	0	3 2	0	0	0
PIO Buttern Sersar PIO Northern Leyte	1 0	0 1	1	1	1 1	2	3	2 2	3	0	0	0
PiO Southern Leyte Seb-Total	1 4	1 2	2 6	2 8	1 4	3 12	5 11	7	5	0	0	0
X PIO Zambounga del Norte	1	0	. 1	0	0	G	3	0	3 8	0	0	0
PIO Zambosniga del Sur Sub-Fotal	3	0	3	0	2	2 2	7 19	1	ii	0	0	Q .
PIO Serigio del Norte PIO Agusen del Norte	1 2	2 1	3 3	3	0	3	3	2 2	5	0 1	0	0
PiO Misemia Oriental PiO Misemia Occidental	1	1 0	2	1 2	2	3	3	0	3 4	0	0	0
PIO Bukidson	3	1	4	2	1	3	3	2	5	0	0	0
PiO Agusin del Sur Sel-Total	2 19	5 5	2 15	11	0 5	2 16	3 18	9	5 27	0 1	0	0 1
PlO Surigao del Sur PlO Davao Oriental	1 0	3	0	2 0	0	0	3	0	4	0	0	0
PIO Davao del Norte PIO Davao del Sur	2	4 5	6	3 2	1	4 3		2	B 11	G Ò	0	0
PiO South Cotabeto	4	. 4	g	3	3	6	2	3	5	0	. 0	0
Sub-Total (II PIO Larse del None	18 1	16 0	34 1	10 3	5 0	15 3	20 3	2	29 5	0	0	0
PiO Lanao del Sur PiO North Cotabato	2 2	0	2 2	3	0	0	5	4	1 9	0	0	. 0
PIO Maguindanao PIO Sultan Kudarat	3	0	3	- <u>i</u>	2 0	3	5 7	2	7	1 0	0	1 0
	1.	0	<u>1</u>	12	3	15	20	9	29			1
Srb-Total											·	
Sth-Total TOTAL FOR FIO: TOTAL FOR RIOs, NIS: AND PIO:	101	41	142 594	112 524	39	151 761	267 2018	72 369	339 2497	7	3 45	10

^{*} Includes car, station wagon, bur, coester, an

A2 - Non-operable at the time of inventory but needs only minor sepels

Source: Annual Equipment, Supplies and Materials Inventory for Calendar Year 1990, NIA

LIST OF EQUIPMENT PURCHASED / TO BE PURCHASED UNDER CIDP I, CIDP II AND VCIPP

Registral Irrigation Offices				,	, .			QUIPMENT							SURVEY F	COLLURY	-
Rigistal Irrigation Offices RiG 2				Dreiting	Minwo- graphing	Electric Scanner	Electronic	Manual	Trans-	VHFÆM	VHE/FM	Desk	Others	Centrifugal		Automatic	Current
RIO II	Competer			Matause	Machine	SCHREE	Type	Typewriter	beterek	Base Trans- receiver	Mobile . Redio	Top Calculator		pump	trensit	level	Meter
RIO								 -	<u> </u>								.
RIO				4 4				- :							4.5		
RIO III								0	1		0	0		ļ	2	2	3
RIO IV									1 1		0	- 0			2	2	3
RIO VIT	2	2	1					0		1	0	0	 	 	2	2	3
RIO VII/VIII								0		1	0	ę.			2	2	3
RIO IX								6	2	2	6	4			2	- 2	3
RIO XII								0	1		0	0		 	2	2	3
RIO XII								0	1	1	0	0			2	2	3
PIO Dices PIO PI								0			0	0			2	2	3
PIO Blocos Norte					0	0		9	12	15	9	8	48*		24	2 24	3
PIO Becox Sur		-											- 10	<u>-</u>			
PIO Becox Sur		.													Ì		
FIO Hood Five F						1	1	4						5	1	1	1
Pro La Union							1							5	1	1	1
PIO Benguet				ī	1	1	1	4						3	1	i	1
Pro Pangasinam					1	1	l	4						5	1	1	1
Sub-lotal 7					1		-	4						. 5	1		1
FO Cagyan					7	7	7	28	0	ō	. 0	0	0	35	1 7	1	7
FIGURE					1	1	1	4		<u>-</u>	<u>-</u> -	·····	-	5	<u> </u>	1	i i
FO Ingao					1	1	1	4						- 5	1	1	1
PIO Neera Viscaya						1		4					·	. 5	1		1
PIO Optition					- !	-		4		1 1 1			<u></u>	5	1	1	1
PIO Nursa Ecija					1									5	1	1	
FIO Turks			0		'' 6	6	6.	24	0	0	0	0	0	30	- 6	6	. 6
PIO Zambatet					1	1		4]				5	1	1	1
MO Pampengs					1	1		4						5	<u>l</u>	1	1
PIO Baltann					1	1		4					 -	5	1	1	1
Seb-Total 6					<u> </u>	1		4						5	1	1	1
PIO Autors			_		1 6	6		4						5		1	1
PIO Quezon					1	1	1	24	0	0	0	0	٥	30 5	6 i	6	- 6
FIO Cavite					1	·	- i 							5	i	<u> </u>	
FO Laguna 1					1	1		4						5	1	1	1
FIO Betangas					1	1		4						5	1	1	
PIO Mandaugue					- i			4 : 1						5	1	- 1 1	
FIO Mindoro Occidental 1		1			1	1	1	4						- 3		1	<u> </u>
FIO Remblon					1	1	1	4						5	i	1	1.
PIO Patawan					1			4						- 5	1	1	
Sub-total 11					1	1 1		4						5	1	l l	<u>!</u>
FIO Canastrices Sur	11	11	0	11	11	11	11	44	0	0	0	0	0	55	11	11	- 11
PIO Catandrianes					1		1	4		7 77				5	1	1	1
PIO Albay					1 3	1	1 1	4						. 5	1	1	1
PIO Sortogon 1					1	1		4						5	1 1	1	
Sub-Total 6	1	1		1	1			4						5	~ †		
FIO Aklan 2					1	1		4						. 5		1	1
FIO Capix PIO Artique PIO Artique PIO Artique PIO Rollo PIO Rollo			0		6	5	6	24	0	6	0	0	0	. 39	6	6	6
PIO Antique 2					1	1		6			2 2	4		5	1	1	1
PIO Roile PIO Repress PI	2	2		ı	1	1	: 1	6			2	4		5	1		1
Sab-Total 10					1	1		6			2			5	1	ī	i
PFO Cebs 2			0		1 5	5	5	6 30			2	4		5	1	1	
PIO Negros Oriental 2		~		1				6	0	. 0	10	20	-	25 5	5	5	5
Plo Babel 2			$=$ \pm	1		1		6			2			3	1		
FIO Northern Sanzar					1	1		6			2	4		. 5	1	1	i
PIO Sansar 2			0 : [3	3	3	18	0	0	6	12	0	15	3	3	3
PIO Eastern Sarnar 2			- -			1		6			2 2			5	1	1	1
FIO Southern Leyte 2	2	2			1	- i 	1	6			- 2	4		- 5		1	
Sub-Total 10 6 5 PIO Zamboanga del N. 1 1 PIO Zamboanga del Sur 1 1 Sub-Total 2 0 2 PIO Surigao del Norte 1 1 PIO Agrason del Norte 1 1 PIO Agrason del Norte 1 1 PIO Masmis Occidental 1 1 PIO Bakidnen 1 1 PIO Bakidnen 1 1 PIO Bakidnen 1 1 PIO Bakidnen 1 1 PIO Busigao del Sur 1 1 PIO Davia del Sur 1 1 PIO Divao del Sur 1 1 PIO South Codatura 1 1 PIO South Codatura 1 1 PIO South Codatura 1 1 PIO Lanao de Norte 1 1 PIO Lanao del Sur 1 1 PIO North Coadatura 1 1 PIO North Koderat 1 1					. 1		1	6			2	4		5	1	1	ı
PIO Zamboanga del N. 1 1 1 1 1 1 1 1 1	10	-			1 5	- !	5	6			2	- 1		5	1	1	
FIO Zamboraga del Sur 1					1	-3-+	5	30	0	0	10	26	0	25 5	5 1	5	5
FIO Surigato del Norte					1			4						5	- i - 	++	++-
PIO Agusan del Norte			0	2	2	2	2	8	0	0	0	0	<u> </u>	10	2	2	2
PIO Misamis Oviersia 1 1 1 1 1 1 1 1 1 1					-	- 1	1	4	-1					3	1	1	
FIO Misamis Occidental					1			4					-	5	1	1	1
PIO Agusan del Sur		1			1	1	1 1	4					7.7	5	1		
Sub-Total 6 0 6					1	1 .	1	4	1	7				5	1	1	1
PIO Surigan del Sur			0		1	1	1	4	I		\Box			5	1	1 ;	1
PIO Davao Oriental 1 1 1 1 1 1 1 1 1					6	6.	6	4	0	0		0	. 0	30 5	6	- 6	6
PIO Davan del Sur 1 1 PIO South Cotabano 1 1 Sub-Total 5 0 5 PIO Lanuo de Norte 1 1 PIO Lanuo del Sur 1 1 PIO North Cotabano 1 1 PIO Maguindanao 1 1 PIO Sultan Kudarat 1 1				1	1		1	4		+				3		1	1
FIO South Cotabatio					1		1	4					- : -	5	1		- i-
Sab-Total 5 6 5			F				1	4					\Box	5	1	1	1
PIO Larsa de Norte 1 1 1					5	5	5	4 20		_			T	5	1	1	1
PIO Lanso del Sur 1 1 1 1 1 1 1 1 1					- 1	1	- 5	20 4	0	0	:0	0	0	25 5	5	5	
PIO Maguirdanao i i i PIO Sultan Kudarat i i	1	i		1	1	1					+			5	++++		<u>l</u>
PIO Sultan Kudarat I 1					1	1		4						5	i		1
					1			4			- $ -$			5	1	111	. 1
Sub-Total 5 0 5			0			5	5	20	0	0	· -	0		5 25	3	5	- 1
TOTAL FOR PIOs 80 24° 67					67	67	67	294	ŏ	15*	26	52	0	335	67	67	67
TOTAL FOR RIOS AND PIOS 107 36 67		_	T		67	67	67	303	12	26	35	60	48	335	91	91	

LIST OF EQUIPMENT PURCHASED / TO BE PURCHASED UNDER CIDP I, CIDP H AND VCIPP

CONSTRUCTION EQUIPMENT VEHICLES RIO/PIO Frant-end Truck-Venetory Telescopic Concere Excavato Concrete Motorcycle Tock Electric Pick-Up Lozder w/ Backhoo tractor w/ plate Напунет w Mixer Generator Welder truck truck truck Trailer compector shaft compressor турс Regional Irrigation Offices RIO III RIO IV RIO V RIO VI RIO VIL/VIII RIOIX RIO X RIO XI RIO XII TOTAL FOR RIOS PIO Bocos Norte PIO Abra PIO L'ocos Sur PiO Mountain Province PiO La Union PiO Bengues PIO Pangusinan Sub-total 28 PIO Cegayan PIO Kalinga Apayao PIO Isabela PIO Ifugao PiO Ifugao PiO Nueva Vizcaya PiO Quirino Seb-Tetal PiO Nueva Edja 74 PIO Tariac PIO Zambalea PiO Pampanga FiO Hulacan Pi O Betsan Seb-Total PIO Autora PIO Quezen PIO Rizal PIO Cavito PiO Legina Pi O Bettinges
Pi O Marindaque
Pi O Mindero Oriental
Pi O Mindero Occidental
Pi O Rombion PiO Palawan Sub-tetal Sub-total
V PIO Carrarines Noste
PIO Carrarines Sur
PIO Caranduares PIO Albay PIO Sorsogon PIO Masbate Seb-Total VI PIO Aklan 0 VI PIO Axum
PIO Capla
PIO Antique
PIO Boilo
PIO Negros Occidental
Sub-Testal
VII PIO Celu õ 20 PIO Negros Orizntal PIO Bohol Sub-total VIII PIO Northern Samar PIO Sarnar PIO Eastern Samar PIO Northern Leyte PIO Southern Leyte Sub-Total PIO Zamboungs del N. Pi O Zambounga del Sur Sub-Total Pi O Surigno del Norte PIO Agusan del Norte PIO Misamia Oriental PIO Misamia Occidental PIO Bukidnon PIO Agusan del Sur Sab-Total 0 0 24 Sab-Total
XI PIO Surigao del Sur
PIO Davao Oriental
PIO Davao del Norte PIO Davao del Sur PIO South Cotabaro Seb-Total 0 0 20 XII PIO Lango de Norte PiO Lenao del Sur PiO North Cotabato PIO Maguindaneo PIO Sulten Kudarat Sub-Total TOTAL FOR PIOs 67 1160 67 13 23 TOTAL FOR RIOS
AND PIOS
49 units to be distributed to unknown PIOs. o 28**
amunal Development Project II and
Participatory December 1 12 67 13 23** 67 79 92 Sources :

^{**} To be distributed to PIOs without the equipment.

LIST OF EQUIPMENT PURCHASED / TO BE PURCHASED UNDER CIDP I

 						OFFICE EC	UIPA SENT						SURVEY E		Unit : No
RIOPIO	Micro-	White	Drafting	Mimeo-	Electric	Electronic	Manual	Trans	VHF/FM	VHF/FM	Desk	Contrifugat	Engineer	Automatic	Current
	Computer	Printing Machine	Machine	graphing Machine	Scurrer	Type- writer	Typewriter	brojector bateuch	Bese Trans- receiver	Mobile Radio	Top Calculator	ect Samb	transil	level	Meter
legional irrigation Offices															
RIO1		1		i .				· 1	1				2	2	3
RIOU		1						1	1	5 . 5			2	2	3
RIO III RIO IV	1 1			<u> </u>				1					2	2 2	3
RIOV	1						·	1	1				1	1	3
RIO VI	1							ı	1				2	2	3
RIO VIL/VIII RIO IX	1	2	ļ	<u> </u>		}		2	2	<u> </u>		 			3
RIOX	 							1	1				2	2	3
RIO XI	1	1											2	2	3
RIO XII TOTAL FOR RIO	1 12	12	0	0	0	0	0	12	12	. 0	0	0	24	24	33
ravincial irrigation Offices								·	:						
FIO Blocos Norte			1		1		2			1.	<u> </u>	5		1	1
PIO Abra PIO Booos Sur	ļ		1 1	1	1 1	1	2					5	1	1 1	- -
PIO Mountain Province	<u> </u>		<u> </u>	1	1	1	2.					5	1		1
PIO La Union			1	!	1	1	2					5	1 1	1	1
PIO Benguet PIO Pangasinan	 		1	1	 	1	2	<u> </u>					1	1 1	-
Sub total	0	0	7	7	7	7	14	\$	0	0	0	5 35	7	7	7
PIO Cagayan	├ ──		1 1	1	1	1	2		<u> </u>			5	1	1:	1
PIO Kalinga Apayan PIO Isabela	 		1	1	-	-	2			1 1 1 1		3	1	<u> </u>	1
PIO Ifuguo			1	1	1	1	2					5	1		
PIO Nuova Vizcaya PIO Quirino	1			1	1	1	2 2					5	- 1		
Seb-Total		0	6	6	6	6	12	0	0	0	0	30	6	6	6
I PIO Nueva Boja			1		1	1	2					5	1		1
PIO Tarlec PIO Zambales		<u> </u>	1	1	1	1 i	2					5	1 1		- 1 -
PIO Pampanga			1	1	1	1	2					5	1 .		1
PIO Bulacan			1	1	1	1	2					5	1		1
PIO Batean Sub-Total	-	0.	- 6	6	6	6	2 12	0	0	0	0	5 30	6	6	6
PiD Aurora	├─ਁ ─			1	1.	1	2		·····		····	5	<u>i</u>		1
PIO Quezen			1	1	1	l	2					5	1	1	1
PiO Rital PiO Cavite			1	1		1	2			4 2 4		5	<u>1</u>	1	1
PIO Laguna			1	1		i	2					5	1		: 1.
PIO Beurges				1	1	1	2					5	1 .	1	
PIO Marindague PIO Mindero Oriental			1	1	1	1	2		* * *			5	1		1
PiO Mindoro Occidental	 		1		1	1	2					5	1		- 1
PIO Rombton			1		1	1	2					5	1		
PIO Palawan Sub-total			11	11	11	11	22	0	0	0	0	5 55	11	11	11
PIO Camarines Norte	† <u>*</u>	<u>`</u>	1	1	1	l	2					- 5	1		1
PiO Cemerines Sur				: 1		1	2						1	1	
PIO Catendosess PIO Albay			1	1	1 1	1	2					5 5	1	1	
PIO Sorsogon			- 1	i	1	1	2					5	1		
PIO Masbate Sub-Total	0		- 1	- 1	5	1 6	2 12		- 6	0	0	30	6	1 6	
I PIO Aklen	-	×	- î	1	1	1	2	-		•		5	1	 	
PIO Capiz			1	1	1	1 .	2					5		1	1
PIO Antique			_ ! }	1	1	1	2					5 5	1		1
PIO Boilo PIO Negros Occidental	 		1 : 1 .		1	1	2					5			- 1
Sub-Total	0	0	5	5	5	5	10	0	0	. 0	0	23	5	3	. 5
II PIO Cebu PIO Negros Oriental	ļ		1		. i	1	2					5 5	1	1	1
PIO Negros Oriental PIO Bohol	┝──┤			1	1		2					-3-1	1	-	
Sub-tole!	0	6	3	3	3	3	6	0	0	0	0	15	3	[]	3
II PIO Northern Samer PIO Samer	 		1	1 1	1	1	2 2			·		5	1	1	1
PIO Eastern Samur			1	i	1	1	2					5	1	<u> </u>	1.4 .1.
PiO Northern Leyte			1	1	1	1	2					5	31 3 1 11		
PIO Southern Leyte Sub-Total	0	0	5	5	5	5	2 10	0	0	0	0	5 25	5	5	5
PiO Zamboarga del N.	<u></u>	<u></u>	1	1	1	1	2					5	1		
PIO Zemboariga del Sur			- !	1	i	1	2					3	1		
Sub-Total PIO Surigao del Norte	0	0	2	.1	2	2	2	0	0	- 0	0	10 5	2	2	<u>2</u>
PIO Agusan del Norte			1	1	i	i	2	Α				5	i	1	<u> </u>
PIO Misamis Oriental			-1		1		2					5			- 1
PIO Miramis Occidental PIO Bucidnos	 		1		1	1	2					5		1 1	1
PiO Agusan dei Sur			1			1	2				7 7 7	5	i		1
Sub-Total	0	0	6	6	6	6	12	0	0	0	0	30	6	6	- 6
PIO Surigao del Sur PIO Davao Oriental	- i		1	1	1	1	2	·				5 5	1	1	
PIO Davao del Norte			- 1	1	1 .	1	2	7.1				5	1	1	1
PiO Davao del Sur			1	1	1	1	2					3	1	1	1
PIO South Countsto San-Total	0	0	1 5	1 5	1 5	1 5	2 10	0	0		0	5 25	1 5	5	5
PIO Lanto de Norte	[` }		1	1	1	1	2		<u>*</u>	<u>. *</u>		5		├─ ┋	1
PIO Lanso del Sur			1 .	1	1	1	2					5			1
PIO North Cetabato PIO Magnindanao	 		l l	1	1	1	2					5 5	1		-
PIO Magnindanao PIO Sultan Kudarat	 			- 1	1	1	2		٠				- 1		
Sub Total	0	0	5		- 3	5	10	0	0	0	0	5 25	5	5	5
TOTAL FOR PIOS TOTAL FOR RIOS	0	24*	67	67	67	67	134	0	11*	0	0	335	67	67	67

^{*} To be distributed to PIOs without this equipment

LIST OF EQUIPMENT PURCHASED / TO BE PURCHASED UNDER CIDP I

							rton hotuni			·			VEHICLE	Unit : N
RIO/PIO	Front-end	Truck-	Vibratory	Telescopic	Concrete	Jack	FION EQUIPA Excavator	Concrete	Electric	Electric	Dump	Stake	Pick-Up	Motorcy
	Leader w/	tractor w/	plate	crane	Mixer	Hammer w/	crawler	Vibrator	Generator	Welder	truck	truck	truck	
	Backhoe	Trailer	compactor	shaft		compressor	type			<u> </u>				ļ
Regional Irrigation Offices						٠.								· ·
RIOI		1		11							<u> </u>		1	3
RIOII RIOIII	 -	1 1		1							1		1 -	2
RIOIV		1		1							1		1	3
RIO VI		1		1 1			<u>-</u>				1		1	3
RIO VII/VIII		' 2		2							2		2	4
RIO IX		1		1					 				<u>1</u>	3
RIOXI	 	 		1				<u> </u>	<u> </u>		1		1	3
RIO XII TOTAL FOR RIOs	0	1 12	6	1 12	0	0	0	0		0	12	0	1 12	3 32
revieds) Irrigation Offices	 	-			<u>`</u>			-				Ť		
					. 1	,	·	ļ	1			1 .)	۱ .
PIO llocos Norte PIO Aixa	1 1		1		1	<u> </u>						1	1	4
PIO Ilocos Sur			1		1	1 1			ļ.,		ļ	1	1	-4
PIO Mountain Province PIO La Union	1	 	1 i			1			 		<u> </u>	<u> </u>	1	4
PIO Benguet	ì		1		1	1						1	1	4
PIO Pangasinan Sub-total	7	0	1 7	0	7	- l	0		0	6		1 7	7	28
PIO Cagayan			1		1	1		ļ				1	1	4
PIO Kalinga Apeyno PiO Isabela	1	<u> </u>	1	 	1 1	1	 	 	 	 	 	1	1	4 4
PiO linguo			1	<u> </u>	1	1						1	1	4
PIO Nueva Vizcaya	1	ļ	1		1	i 1	ļ	ļ			<u> </u>	1	1	4
PIO Quirino Sub-Total	. 6	0	6	0	6	6	0	0	0	0	0	6	6	24
I PIO Nueva Edja	1		1		1	1					L	1	1	4
PIO Tariac PIO Zambales	 	 	1 1	 	1	1	ļ	 	 	 	 	1	1	4
PIO Pampanga	i		1		1	1		ļ				i	1	4
PIO Bulacan PIO Bataso	1		1	<u> </u>	1	1	-	 	-		 	1	1	4
Sub-Total	-	0	6	,	6	6	0	0	0	0	6	6	6	24
PlO Autora		ļ	1		1	1		ļ. .		ļ	ļ	1 1		4
PIO Quezon PIO Rizal		 	1	 	1	i		<u> </u>	<u> </u>			1	1	4
PIO Cuvite			1		1	ì							1	4
PIO Laguna PIO Batangas	1	_	1	ļ	1	1	 	-			 	1	1	
PIO Marinduque	1	 	î		1	1						1	1	
PIO Mindoro Oriental	1		1 1		1	1		ļ	ļ	 	ļ	1	1	4
PIO Mindore Occidental PIO Rembion	1	 	1	 	- i -	1						ī		4
PIO Palawan	1		1	0	1	11	0	0	0	e	0	1 tl	11	64
Sub-total PIO Camarines Norte	11	0	11 1	-	11	1		-	-	 *		1		4
PIO Camarines Sur	1		j.	ļ	1	1				F	ļ <u> </u>	1	1	4
PIO Catanduscies PIO Albay	1 1	 		 	1	1		 	 	 	 	1	i	4
PIO Sorrogon	1		1		1	1						-	1	
PIO Masbate Sab-Total	6	-	<u>1</u>	0		6		0		0	0	6		24
I PiO Aklan	i		1		1	1						1	1	4
210 Capiz	1-1-	 	1	 	1	<u>1</u>			 		}	1	1	4
PIO Antique PIO Hoilo	 	 	i	<u> </u>	1	i		<u> </u>				1	1	4
PIO Negros Occidental	1	 _	1	 	1	5	0		9		0	1 5	5	20
Sub-Total II PIO Cebu	5	-	1	 	1	1		<u> </u>		<u> </u>		1	1	4
PIO Negros Oriental	1		1		ı	1		 		 		1	1	1
PIO Bohel Sub-total	3	0	3	0	3	1 3	0		0	 	0	3	3	13
III PIO Northern Samer	1	1	ı		1	1	ļ			ļ		1	1	- 4
PIO Samer PIO Eastern Samar	1 1	 	1	 	1	1	1	 	 		 	1	1	1 -
PIO Northern Leyto	1		1	1	1	1	1		ļ		ļ	1	1	
PIO Southern Leyte Sub-Total	5	0	5	0	1 5	5		. 0	0	0	-	i 5	5	
PlO Zamboanga del N.	1	L	1	<u> </u>	1	ı						1	1	1
PIO Zamboanga del Sur	1		1	0	1 2	2	-	0	0	0		1 2	1 2	-
Sub-Total PIO Surigao del Norte	2	0	2 1	<u> </u>	1	ı		<u></u>		<u> </u>		1	1	1
PIO Agusan del Norte			1	Ţ				 		ļ <u>-</u>		i i	1 1	<u> </u>
PIO Misamis Oriental PIO Misamis Occidental	1 1	 	1		1	1	l	 	1			1 1	,	
PIO Bukidnon	1		-1		1	1							1	
PIO Agusan del Sur Sub-Total	- 6		6	0	6	6	-		0	0	1	6	6	7
PIO Surigao del Sur	11		1	<u> </u>	I	1						1		
PIO Davao Oriental		1	1		1	1	ļ	ļ	 	 	 	1	1 1	-
PIO Davao del Norte PIO Davao del Sur	1	 	1 1	 	1	1	t	<u> </u>	1:::			1		
PIO South Cotabato	1		1		1	1		T				-		
Seb-Total	5 1	C C	s l	0	5	5	0	0	0	0	0	5	5	1 - 3
PIO Largo de Norte PIO Largo del Sur	 	 	1	1	1	1			1			1]
FIO North Cotabato		1	1 1			1	1		.			1	1	}-:
PIO Maguindarwo PIO Sultan Kudarat	 	 	1	 	1	1	1	 	· 	 	+	1	1	1
Sub-Total	5	0	5	0	5	5	0	0	0	0	0	5	5	1 2
TOTAL FOR PIOS TOTAL FOR RIOS	67	0	67	0	67	67	0	0	0	0	0	67	67	20
		1 '	67	1	67	67	0				12	67	79 .	30

Source: NIA CIDP/CIDIP Group

LIST OF EQUIPMENT PURCHASED / TO BE PURCHASED UNDER CIDP II

<u> </u>		OFFICE EQUIPMENT		r	CONSTRUCTION	EQUIPMENT		(Unit : No.
RIOPIO	Micro- Computer	Menual Typewriter	Others*	Concrete Mixer	Concrete Vibrator	Electric Generator	Electric Welder	Demp track
Regional Irrigation Offices	Computer	1)beatter	h	i interi	1012101	Crementator	· verace	11978
							1.00	
RIO I	1	· · · · · · · · · · · · · · · · · · ·						
RIOIII						1		
RIO (V		}	ļ	}	 		<u> </u>	
RIO VI	1					1		
RIO VII/VIII RIO IX	2	 				2		
RIOX	i					i	. :	
RIO XI	<u> </u>		ļ			1		
RIO XII TOTAL FOR RIO:	12	0	0	0	•	12	0	0
Provincial Irrigation Offices								
i PiO liocos Norie	1	2					ļ	
PIO Abra		2						1
PIO Roces Sur PIO Mountain Province	1	2 2					 	
PlO La Union	i	2				F 1		<u> </u>
PIO Benguet		2						1
PIO Pangasinan Sub-total	7	2	0	0		0	0	
Il PIO Cegayan	1	2						1
PIO Kelinga Apayso PIO Isabela	1	2 2		-		<u></u>		
PiO Mugao	1	2						1
FIO Nurva Vizcaya PiO Quirino	1	2 2	ļ		1			
Sub-Total	6	12	0	0	0	0	0 :	6
III PIO Nueva Ecija	1	2						I .
PiO Terlec PiO Zembales	1	2 2					 	1
PIO Pampenga	1	2						1
PIO Belgan PIO Belgan	1	2 2					ļ	1
Sab-Total	6	12	0	0	0	0	0	6
IV PIO Aurora	1	2 2						
PIO Quezon PIO Rizal	1	2						1
PIO Cavite ·	1	2						1
PIO Lagurya PIO Betangas	1	2 2						1
FIO Marindaque	i	2					1 - 1 - 1 - 1	i
PIO Mindoro Oriental PIO Mindoro Occidental	1	2						1
PIO Rombios		2						1
PIO Palewan	1	2						1
Sub-total V PIO Camarines Norte	11	22 2	0	0	0	0	0	11
PIO Camerines Sur	1	2						1
PIO Extenduance PIO Albey	1	2 2				- 		
PTO Sorsogon	1	2						<u> </u>
PIO Mashate Sub-Total	<u>1</u>	12	. 0	0	0	0	0	1 6
VI PiO Aklan	1	2						
PIO Capiz	1	2						1
PIO Antique PIO Boilo	1	2 2						1
PIO Negros Occidental	ı	2						1
Sub-Total VII PIO Cebu	. <u>5</u>	19	0	0	0	0	0	3
PiO Negros Oriozal	1	2						1
PIO Bohol Sub-total	1 3	2	0					1
VIII PIO Northern Samar	1	6 2	<u> </u>	. 0	0	0	0	3
PIO Samar	1	2						1
PIO Fastern Samar PIO Northern Leyte	1 1	2 2		<u> </u>				1
PIO Southern Leyie	1	2		~~~				
Sub-Tetal X PIO Zamboanga del N.	5 1	10 2	0	0	0	•	0	5
PIO Zamboanga del Sur	1	2					<u> </u>	<u> </u>
Sub-Tetal	2	4	9	0	0		0	2
PIO Surigao del Norte PIO Agussa del Norte	1	2 2					 	
PIO Misamis Oriental	i	2						1
PIO Misamis Occidental PIO Bukidason	1	2				1. 1.		<u>i</u>
PIO Agusan del Sur	1	2	1			 		1
Sub-Total T PIO Surigeo del Sur	6 1	12 2	0	0	0	9	0	6
PIO Davao Oriental	 	2					4 (1 1 1	1
PIO Davao del Norte	I	2						1
PIO Davao del Sur PIO South Cotabato	1	2 2	<u></u>					1
Sub-Total	5	10	0	0	0	0	0	5
II PIO Lanao de Norte PIO Lanao del Sur	1	2 2						1
PIO North Cotabato	1	2		<u> </u>				1
PIO Maguindanao	ı	2						i
PIO Sulon Kuderat Sub-Total	i 5	2 10	0	0				1
TOTAL FOR PIO	67	134	0	49	23	0	28	5 67
TOTAL FOR RIO		:	***************************************					
AND PIOs	79 PiOs without these equipm	134	0	49*	23*	12	28*	67

To be distributed to RIOs/PiOs without these equipment.
Source: Fessibility Study on Communal Infigation Development Project II

LIST OF EQUIPMENT PURCHASED / TO BE PURCHASED UNDER VCIPP

			OFFICE EQUIPMENT			CONSTR. EQUIPMENT	(Unit : No
RIO/PIO	Miero- Computer	Manual Typewriter	VHF/FM Base Transreceivee	VHF/FM Mobile Radio	Desk Top Cakulators	Excavalor crawler lype	Pick-Up truck
Regional Irrigation Officer					<u> </u>		
RIOI							
RIO II RIO III							
RIO (V RIO V						· · · · · · · · · · · · · · · · · · ·	
RIO VI	1	3	1	3	4		
RIO VE/VEI RIO IX	2	6	2	6	4		
RIO X							
RIO XI							
TOTAL FOR RIOS revincial irrigation Offices	3	9	3	9	8	0 .	0
PIO Ilocos Norte PIO Abra							
PIO Boose Sur PIO Mountain Province			· · · · · · · · · · · · · · · · · · ·				
PIO La Union			· · · · · · · · · · · · · · · · · · ·				
PIO Benguet PIO Pangasinan							
Sub-total	0.	0	0 :	0	0	0	0
PIO Cegayan PIO Kalinga Apayao	· · · · · · · · · · · · · · · · · · ·			,			<u> </u>
PiO Isabela			·				
FIO Ifageo PIO Nueva Vizcaya					·		
P10 Quirino Seb-Total		0		0	0	0	0
I PIO Nueva Ecija		· ·	<u> </u>				<u> </u>
PIO Teriac PIO Zambeles							
PIO Pampanga							
PiO Bulacan PiO Balaan			. :				
Sub-Total	0	0	0	0	0	0	0
PIO Quezon					· · · · · · · · · · · · · · · · · · ·		
PIO Rizal	***************************************						
PIO Cavite PIO Laguna							
PIO Batengas							
PIO Murindaque PIO Mindoro Oriental							
PIO Mindoro Occidental PIO Rombion							
PIÓ Palawan							
Sub-total / PIG Cantarines Norte	0	0	0	0	0	0	. 0
FIO Camarines Sur							
PIO Catanduanes PIO Albay							
PIO Sorsogon PIO Masbate					·		
Sub-Total	0	0	0	0	0	0	٥
PIO Akian PIO Capia	1	2 2		2 2	4	1	1
FIO Antique	i	2		2 2	4	1	1
PIO liolio PIO Negros Occidental	1	2 2		2	4	1	
Sub-Total	5 1	10 2	0	10 2	20	5	5
PIO Negros Oriental	1	2		- 2	4	i	
PIO Bohol Sub-total	1 3	6	0	3 6	12	1 3	<u>i</u> 3
III PIO Northern Surnar	1	2		2	4	1	1
PIO Samer PIO Eastern Samer	1	2 2		2 2	4	1	I I
PIO Northern Leyte	i	2		2	4	1	1
PiO Southern Leyte Seb-Total	1 5	2 10	0	10	4 20	1 5	5
PiO Zemboanga dei N.							
PIO Zamboanga del Sur Seb-Total	6	0	0	0	9	0	0
PiO Surigao dei Norte PiO Agusen del Norte							
PiO Missunis Oriental							
PIO Misamis Occidental PIO Bukidnon							
PIO Agusan del Sur							
Sub-Total I PiO Surigao del Sur	0	O	0	6	0	. 0	0
PIO Davao Oriental							
PIO Davao del Norie PIO Davao del Sur							
PIO South Cotabato	. 0	0	0	0	0	0	0
Sob-Total II PIO Lanao de Norte	V	J	,		· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>
PIO Lango del Sur PIO North Cotabato							
PIO Maguindenao							
PIO Sultan Kudarat Sub-Total	0	0	0	0	0	6	0
TOTAL FOR PIOs	13	26	0	26	51	13	13
TOTAL FOR RIOS AND PIOS	16	35	3.	35	60	13	13

Source: Fessibility Study on Visayas Communal Irrigation Participatory Program

FAMILIARITY OR KNOWLEDGE OF THE RIO/PIO STAFF AS A WHOLE ON THE SPECIFIC PROVISIONS OF THE GUIDELINES MANUAL ON COMMUNAL IRRIGATION DEVELOPMENT PROGRAM

			IOs				Os				nd PIOs	
Provisions	Very Familiar	Familiar	Less Familiar	Not Familiar	Very Familiar	Familiar	Less Familiar	Not Familiar	Very Familiar	Familiar	Less Familiar	Not Familiar
Preparation of 5-Year CIDP	. 8	3 3	(28	38	() 0	36	41	0	
Preparation of Provincial Annual Program					23	43	č		23		. 0	-
Preparation of Regional Annual Program	8	3	(0		1.7			8	_	Ŏ	_
Identification of Communal Irrigation Projects			Č			29	. 1	. 0	45		1	
Standard Derivation of Unit Cost for Investigation and Survey	. 8	3	C	0	24	43	1	0	32	46	1	0
Conduct of Preliminary Investigation for Communal Irrigation Projects	9	2	C	0	33	34	C	0	42	36	0	0
Gathering of Discharge Measurement for Communal Irrigation Projects	9	2	C	0	34	32	. 1	0	43	34	1	0
Agro-Economic Data Gathering for Feasibility Study Report	9	1	. 1	. :0	24	40	3	0.	33	41	.4	0
Simplified Soil Texture Determination and Soil Nutrient Analysis	3	5	3	0	12	27	23	3	15	32	26	3
Institutional Profile Writing	8	3	0	. 0	16	38	8	4	24	- 41	8	4
Recruitment of Profile Writers	6		Ō		9	31	11		15		11	6
Suggested Prototype Design on CIS Profile Writers	4		2		5	22	23		9		25	8
Planning and Monitoring System for Profile Writers	- 5	5	1	0.	. s . 7	23	.22	8	12	28	23	8
Conduct of Profile Writers Performance Evaluation	. 4	6	1	0	4	24	18	13	8	30	19	13
Preparation of Initial Feasibility Study Report	8	3	. 0	0	25	41	. 1	0	33	44	. 1	0
Conduct of Topographic Survey for Communal Irrigation Projects	. 7	4	0	0	38	28	1	0	. 45	32	1	0
Preparation of Final Project Peasibility Report	7	4	. 0	0	25	41	· . I	0	32	45	1	. 0
Conduct of Project Selection and Prioritigation Workshop	5	5	1	. 0	22	40	4	. 0	27	45	5	0
IOW Recruitment and Selection Guidelines	7	4	0	0	26	33	6	. 0	33	37	6	0
Conduct of ICO/IOW Performance Evaluation	7	3	1	0	24	38	5	0	31	41	6	0
Sample Joint NIA-IA Policies and Systems for Construction	6	5	0	0	27	39	1	0	33	44	1	. 0
Checklist of Requirement Prior to Project Construction	7	4	0	0	30	37	0	0	37	41	0	0
IA Viability Evaluation	5	6	0	0	18	40	5	0	23	46	5	. 0
Conduct of Orientation and Planning Workshop on Farm Level Pacilities	3		i	0	18	42	6		21	49	7	1
and System Maintenance Conduct of Pre-Operation and	3	7	0	0	19	44	4	0	22	51	4	0
Maintenance Conference Conduct of Test-Run for Communal	6	4	0	0	16	28	1	0	22	32	1	. 0
Irrigation Projects Repair of Damages of Communal	6	: : 5	0	. 0	29	35	3	0	35	40	3	0
Irrigation Projects/Systems Turnover of Communal Irrigation	6	5	0	. 0	38	28	ì	. 0	44	33	1	0
Systems Preparation of Project Completion	6	4	1	0	20	39	8	0	26	43	9	0
Report Cancellation, Deferment and Suspension of Communal Irrigation Proejct	3	8	0	0	16	37	12	2	19	45	12	2
Reallocation of Funds	 6	. 5	0	. 0	18	35	11	2	0.4	40	11	
Standard Cost Basis for Institutional Development	2		1	0	9	43	11 13	0	24 11	40 51	14	0
Preparation of Provincial Irrigation Profile	6	2	. 1	. 0	19	41	4	1	25	43	5	1
Communal Imigation Implementation Network	6	5	0	0	18	43	2	1	24	48	2	ı
Average	6	- 4	1	0	22	36	7	2	28	40	7	1

Source: SSIDP Institutional Survey for RIOs and PIOs

REVISIONS NEEDED ON THE SPECIFIC PROVISIONS OF THE GUIDELINES MANUAL ON COMMUNAL IRRIGATION DEVELOPMENT PROGRAM

		RIOs			PIOs			s and PIOs	
ions	'Total	Partial	None	Total	Partial	None	Total	Partial	None
Preparation of 5-Year CIDP	0	4	3	. 0	41	9	0	45	12
Preparation of Provincial Annual Program	U	4	3	0	34	20	0	34	20
Preparation of Provincial Annual Program	0	4	3	-	,94	20	0	14	3
Identification of Communal Irrigation	ő	3	4	0	29	4	ŏ	32	18
Projects	v	,	-	v	27	•	v		10
Standard Derivation of Unit Cost for Investigation and Survey	1	4	2	1	26	20	2	30	22
Conduct of Preliminary Investigation for	0	0	6	. 0	21	24	0	21	30
Communal Irrigation Projects Gathering of Discharge Measurement for	0	0	6	0	15	28	0	15	34
Communal Irrigation Projects Agro-Economic Data Gathering for	0	1	5	0	23	21	. 0	24	26
Feasibility Study Report Simplified Soil Texture Determination	0	0	6	0	20	22	0	20	28
and Soil Nutrient Analysis									
Institutional Profile Writing	0	4	2	0	22	22	0	26	24
Recruitment of Profile Writers	0	3	3	0	17	27	0	20	30
Suggested Prototype Design on CIS Profile Writers	0	1	4	0	14	24	. 0	15	28
Planning and Monitoring System for Profile Writers	1	1	3	0	15	24	Ì	16	27
Conduct of Profile Writers Performance Evaluation	0	. 1	5	0	17	21	0	18	26
Preparation of Initial Feasibility Study Report	0	2	. 4	. 0	20	22	. 0	22	26
Conduct of Topographic Survey for Communal Irrigation Projects	0	1	4	0 .	16	26	17	30	0
Preparation of Final Project Feasibility	0	2	3	0	18	27	0	20	30
Report Conduct of Project Selection and	0	1	6	2	21	21	2	22	27
Prioritigation Workshop IOW Recruitment and Selection	0	3	3	1_	14	27	1	17	30
Guidelines Conduct of ICO/IOW Performance	0	2	3	1	18	26	1	20	29
Evaluation Sample Joint NIA-IA Policies and	0	0	6	0	19	23	0	19	29
Systems for Construction Checklist of Requirement Prior to	0	1	5	0	14	29	0	15	34
Project Construction				_				10	20
IA Viability Evaluation	. 0	0	6	1	19	23	1	19	29
Conduct of Orientation and Planning Workshop on Farm Level Facilities	0	1	4	0	19	26	0	20	30
and System Maintenance					10			12	2.6
Conduct of Pre-Operation and Maintenance Conference	0	0	5	0	13	29	0	13	34
Conduct of Test-Run for Communal Irrigation Projects	0	1	3	. 2	9	23	2	10	26
Repair of Damages of Communal Irrigation Projects/Systems	0	1	4	1	18	25	. 1	19	29
Turnover of Communal Irrigation Systems	0	1	4	1	. 11	30	1	12	34
Preparation of Project Completion	. 0	1	4	1	13	27	1	14	31
Report Cancellation, Deferment and Suspension	0	2	4	1	13	26	1	15	30
of Communal Irrigation Proejet Reallocation of Funds	1	0	5	1	15	23	2	15	28
Standard Cost Basis for Institutional	0	0	5	3	15	22	3	15	27
Development Preparation of Provincial Irrigation	• , 0	1	4	0	18	23	. 0	19	27
Profile Communal Irrigation Implementation	0	2	4	1	15	27	1	17	31
Network									
Average	_*	2	4	1	18	24	1	20	28

* Negligible Source: SSIDP Institutional Survey for RIOs and PIOs

IMPACTS OF THE PARTICIPATORY APPROACH

	(Unit: no.)
d PIOs	
· ·	Percent*

	RIC	s	PIO	S .	RIOs and	(Unit : no.) PIOs
Areas and Levels of		_				
Impact	Nos.	Percent*	Nos.	Percent*	Nos.	Percent*
Engineering/Technical Aspects	ei.	70.0	1.5	A • C		
Substantial	7	70.0	15	24.6	22	31.0
Minimal	3	30.0	44	72.1	47	66.2
None	0	0.0	0 .	0.0	0	0.0
No data	0	0.0	2	3.3	2	2.8
Sub-Total	10	100.0	61	100.6	71	100.0
Project Costs	Δ.	00.0				
Substantial Reduction	2	20.0	4	6.6	6	8.5
Minimal Reduction	. 2	20.0	19	31.1	21	29.6
No Change	0	0.0	5	8.2	5	7.0
Minimal Increase	5	50.0	20	32.8	25	35.2
Substantial Increase	1	10.0	9	14.7	10	14.1
No data	0	0.0	4	6.6	4	5.6
Sub-Total	10	100.0	61	100.0	71	100.0
Project Economic Benefits						•
Substantial Increase	1	10.0	11	18.0	12	16.9
Minimal Increase	6	60.0	33	54.1	39	54.9
No Change	0	0.0	2	3.3	2	2.8
Minimal Reduction	2	20.0	9	14.8	11	15.5
Substantial Reduction	0	0.0	1	1.6	1	1.4
No data	1	10.0	5 -	8.2	6	8.5
Sub-Total	10	100.0	61	100.0	71	100.0
IA Awareness and Assertiveness						
Highly Stimulated	4	40.0	34	55.7	38	53.5
Fairly Stimulated	5	50.0	27	44.3	32	45.1
Poorly Stimulated	0	0.0	0	0.0	0	0.0
Not Stimulated	0	0.0	0	0.0	0	0.0
No data	.1	10.0	0	0.0	1	1,4
Sub-Total	10	100.0	61	160.0	71	100.0
Relationship Between IAs						
and NIA						
IAs Become Highly Depen-			•			
dent on NIA	1	10.0	2	3.3	3	4.2
IAs stand on their own feet			-		~	2
but still consult NIA	9	90.0	59	96.7	68	95.8
IAs Severe their Relation-	•		٠,	70.7	Vo	23.0
ship with NIA	0	0.0	0	0.0	0	0.0
No data	Õ	0.0	o ·	0.0	0	0.0
Sub-Total	10	100.0	61	100.0	71	100.0
Relationship Between IAs and	10	100.0	UI.	100.0	. 1	100.0
Other Government Agencies						*
IAs Expected Other Agencies						
to Adopt Participatory			•	•		
Appproach as Well	7	70.0	22	36.1	00	40.0
IAs Don't Have This Expec-	,	70.0	22	30,1	29	40.8
tation and Simply						
Follow Other Agen-						
		00.0				
cies APproach	2	20.0	14	23.0	16	22.5
IAs Suggested Adoption of						1 1
Participatory Approach						
but Still Respect Other		du la la		•	4	
Agencies' Decisions * In relation to the total num	1	10.0	22	36.1	23	32.4

* In relation to the total number of respondents: 10 RIOs and 61 PIOs

Source : SSIDP Institutional survey for RIOs and PIOs

FACTORS CONTRIBUTING TO AN EFFECTIVE PERFORMANCE OF RIOS AND PIOS

Pastons and Lavel of	RIOs	· · · · · · · · · · · · · · · · · · ·	PIOs	· · · · · · · · · · · · · · · · · · ·	RIOs and P	IOs
Factors and Level of Effectivity	Nos.	Percent *	Nos.	Percent •	Nos.	Percent •
Adequate and Qualified Manpower	*					
	6	60,0		60.0		
Highly Significant			42	68.9	48	67.6
Significant	4	40.0	16	26.2	20	28.2
Less Significant	0	0.0	,0	•	0	0.0
Not Significant	0	0.0	0	-	0	0.0
No data	0	0.0	3	4.9	3	4.2
Sub-Total	10	100.0	61	100.0	71	100.0
Adequate and Timely Budgetary						
Highly Significant	8	0.08	45	73.8	53	74.6
Significant	. 2	20.0	13	21.3	15	21.1
Less Significant	0	0.0	2	3.3	2	2.8
Not Significant	0	0.0	ō		. 0	0.0
No data	0	0.0	i	1.6	ĭ	1.4
Sub-Total	10	100.0	61	100.0	71	100.0
	10	100.0	91	100.0	/1	199.0
Sufficient Logistics Support						
Highly Significant	7	70.0	40	65.6	47	66.2
Significant	3	30.0	14	22.9	17	23.9
Less Significant	0	0.0	2	3.3	2	2.8
Not Significant	0	0.0	0	* *	0	0.0
No data	.0 .	0.0	5	8.2	5	7.0
Sub-Total	10	100.0	61	100.0	71	100.0
Cooperation and Support from NIA		-,				
Regional and/or Central Offices		•				
Highly Significant	0	0.0	37	60.7	22	50.1
					37	52.1
Significant	1	10.0	22	36.1	23	32.4
Less Significant	0	0.0	1	1.6	1	1.4
Not Significant	0	0.0	0	-	0	0.0
No data	9 -	90.0	. 1	1.6	10	14.1
Sub-Total	10	100.0	61	100.0	71	100.0
Cooperation and Support from						
ther Agencies			*			
Highly Significant	1	10.0	6	9.8	7	9.9
Significant	6	60.0	28	45.9	34	47.8
Less Significant	3	30.0	20	32.8	23	32.4
Not Significant	0	0.0	. 0	-	0	0.0
No data	0	0.0	7	11.5	7	9.9
Sub-Total	10	100.0	. 61	100.0	71	160.0
iable and Capable IAs						
Highly Significant	5	50.0	34	55.7	39	54.9
Significant	5	50.0	22	36.1	27	38.0
Less Significant	0	0.0	2	3.3	2	2.8
Not Significant	0	0.0	0		0	0.0
No data	ŏ	0.0	3	4.9	3	4.2
Sub-Total	10	100.0	61	100.0	71	100.0
taff Commitment and Dedication	10	100.0	61	100.0	71	100.0
Work Mission	_	70.0	.,		***	
Highly Significant	7	70.0	46	75.4	53	74.7
Significant	3	30.0	12	19.7	15	21.1
Less Significant	0	0.0	1	1.6	1	1.4
Not Significant	0	0.0	0		0	0.0
No data	0	0.0	2	3.3	2	2.8
Sub-Total	10	100.0	61	100.0	71	100.0
ecurity of Tenure and Working				•	•	
nyironment						
Highly Significant	6	60.0	31	50.8	37	52.1
Significant	4	40.0	24	39.3	28	39.4
Less Significant	0	0.0	3	4.9	3	4.2
Not Significant	0	0.0	0	Ŧ	0	0.0
No data	0	0.0	3	4.9	3	4.2
Sub-Total	10	100.0	61	100.0	71	100.9
ttractive Financial Compensation		<i>t</i> *				
Highly Significant	7	70.0	35	57.4	42	59.2
Significant	- 3	30.0	15	24.6	18	25.4
Less Significant	0	0.0	5	8.2	5	7
Not Significant	0	0.0	2	3.3	2	2.8
No data	0	0.0	4	6.5	4	5.6
Sub-Total	10	100.0	61	100.0	71	100,0
exibility in Decision Making		•				
Highly Significant	*	•	33	54.1	33	54.1
Significant	. :*	*	21	34.4	21	34.4
Less Significant			* 1	. 1.6	. 1	1.6
Not Significant		•	0	-	.0	*
No data		19 1 · 1	. 6	9.8	6	9.8
NO GAIA .						

* In relation to total number of respondents: 10 RIOs and 61 PIOs
Source: SSIDP Institutional survey for RIOs/PIOs

INCOME AND EXPENSE STATEMENTS OF RIOS, NISS AND PIOS, 1990

REGIN	455 7,524,75 153 8,774,71 197 8,719,42 1562 8,797,25 1562 8,797,25 1562 8,797,25 157,792,13 157,792,13 1597 6,593,99 145 7,270,97 157 7,270,97 157 7	0
RIO II	455 7,524,75 153 8,774,71 197 8,719,42 1562 8,797,25 1562 8,797,25 1562 8,797,25 157,792,13 157,792,13 1597 6,593,99 145 7,270,97 157 7,270,97 157 7	0
RIO II	455 7,524,75 153 8,774,71 197 8,719,42 1562 8,797,25 1562 8,797,25 1562 8,797,25 157,792,13 157,792,13 1597 6,593,99 145 7,270,97 157 7,270,97 157 7	0
RIO IV	1971 8,719,42 362 8,797,56 986 8,757,21 5577 7,952,13 5577 7,952,13 5577 7,952,13 5577 7,952,13 5577 7,952,13 557 7,952,13 57 7,95	\$ 3,131,6 6 8,435,7 7 5,366,1 1 4,115,9 9 5,123,6 9 8,010,2 2 -77,637,4 4,279,1 1,227,1 1,237,637,637,637,637,637,637,637,637,637,6
RIO V	362 8,797,52 865 8,797,21 557 7,972,13 5697 6,593,99 145 7,270,97 1360 8,693,58 152 9,639,11 153 96,543,33 2002 19,891,15 2005 21,833,09 10,833,03	6
RIO VII/VIII	5377 7,952,13 6977 6,593,997 7457 7,270,97 1909 8,493,85 1920 19,891,15 1935 99,543,33 2072 19,891,15 1005 21,823,09 1008 21,823,09 1018 13,142,89 1019 13,142,89 1	1 4.115, 9 5.129, 1 5
RIO X	697 6.593,09 697 6.593,09 145 7.276,97 1360 8.693,88 1452 9.639,11 133 99,543,33 1005 71,833,09 19,891,15-1 1005 71,833,09 1988 34,422,94 101 18,149,99 101 8,710,15 103 5,700,15 103 5,700,15 104 7,815,46 105 105 105 105 105 105 105 105 105 105	9
RIO XI	390 8,493,85 552 9,639,11 133 99,443,33 90,443,33 90,443,33 90,443,33 90,443,33 90,443,33 90,443,33 10,531,951,151 10,531,161 11,161,161,161 11,161,161,161 11,161,16	9 8.459, 9 9.8010, 2 77,637, 4 4.279, 2 77,637, 4 4.279, 2 727, 5 1.4331, 5 1.033, 6 6 4 2.832, 5 978, 5 97
REGION I	\$522 9,639,11 \$153 99,545,35 \$207 19,891,15 \$208 21,825,09 \$208 34,422,94 \$2161 22,952,17 \$217,002 8,592,144 \$11 18,149,89 \$244 7,815,465 \$333 5,305,39 \$117 8,710,15 \$443 175,545,577 \$443 175,545,577 \$453 19,847 \$153 638,851 \$153 638,851 \$153 638,851 \$154 924,777 \$153,700 \$154,577 \$154,577 \$154,577 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,545,777 \$155,707 \$	9
REGION I	2002 19,891,15- 2005 21,823,09 598 34,422,94 761 22,052,77 7012 8,559,148 411 18,149,99 444 7,815,461 333 5,305,39 117 8,710,75 431 15,872,174 431 175,545,572 443 175,545,572 444 72,133,70 154 924,773 154 924,773 154 924,773 155 938,851 157 958,434	4 4,279, 1 -227, 14,331, 3,862, 1,735, 1,083, 694, 2,832, 3,5978, 13,599, 1,924, 1,126, 1,034, 1,126, 1,034, 1,126, 1,034, 1,
REGION I	005	1 227,1 14,391,1 1,381
REGION III	005	1 227,1 14,391,1 1,381
REGION IV	161] 22,052,17 707] 8,559,161 11 18,149,89 444 7,815,46 433 5,305,398 111 8,701,75 434 17,852,17 126 12,964,77 1443 175,546,97 145 998,12 159 3	\$ 3,862; 1,735; 1,085; 694; 2,832; 3,573; 14,549; 13,599; 1,924; 1,126; 1,126; 1,264; 3,622;
REGION V	7002 8,559,44 11 18,149,859 124 7,815,46 1333 5,305,39 137 8,710,156 143 15,852,17 1226 12,5954,37 143 175,545,97 143 19,852,17 153 698,12 153 638,55 153 638,55 153 638,55 153 638,55 153 638,55 154 924,77 155,70 155 758,484 147 1,155,70 148 5,554,474	1,735, 1,083, 694, 2,832, 5,978, 3,4549, 3,857, 11,599, 1,924,6 1,126,3 1,094,6 3,622,1
REGION VI	411 18,149,59 444 7,815,46 333 5,305,39 117 8,701,15 343 15,852,17 424 175,545,57 443 175,545,57 443 175,545,57 453 998,12 353 638,81 354 924,77 353 553,48 447 1,153,70 222 776,025 448 5,548,174	1,083, 694, 2,832, 5,978, 14,549, 3,867, 13,599, 1,924,6 1,126,3 1,064,6 3,622,1
REGION IX	333	2,832,1 5,978,2 14,549,3,867,8 11,559,2 1,126,5 1,126,5 1,126,5 1,034,6 3,622,1
REGION X	117 8,700,15 543 15,852,17 543 15,852,17 544 15,852,17 544 175,545,97 545 998,12 539 638,85 539 534,27 535 558,68 547 1,153,70 542,07 545,77 545 558,68	1,978, 14,549, 3,857, 11,579, 1,924, 1,126,3 1,034, 3,622,1
REGION XII 15,200,354 1,200,372 331,490 16,832 170,741, FOR NISs 158,774,700 0 691,587 23,535 22,573,725 7,221,492 168,142 170,741, FOR NISs 158,774,700 0 691,587 23,535 22,573,725 7,221,492 168,142 170,742 170	226 12,964,371 443 175,546,972 163 994,12- 153 638,851 153 638,851 154,203 154,203 154,203 155,264 147 1,153,703 145,252 176,025 145 5,584,174	3,857,1 13,599,4 1,924,6 1,126,3 1,034,6 3,622,1
TOTAL FOR NISe 158,714,800 0 691,587 23,535 22,573,728 7,221,492 165,162 Provincial Irrigation Offices 35,720 299,294 2,450,265 116,834 20,650 2,922 PIO Bocos None 35,720 299,294 2,450,265 116,834 20,650 2,922 PIO Bocos None 33,626 1,581,206 88,289 6,002 1,761 PIO Bocos Sur 42,095 144,811 1,385,504 45,303 9,769 1,522 PIO Mountain Province 97,185 4,004,002 25,010 20,666 4,542 PIO Benguet 103,854 1,027,638 28,922 34,055 1,156 PIO Regueisem 150,614 695,177 1,185,429 91,509 22,768 2,155 PIO La Union 9,942 255,279 607,444 20,507 25,671 20,507 69,444 20,507 355,923 144,467 15,103 II PIO Capyro 91,619 334,572 634,561 384,004 51 <td< td=""><td>175,545,571 175,545,571 175 175 175 175 175 175 175 175 175</td><td>13,599, 1,924,6 1,126,3 1,034,6 3,622,1</td></td<>	175,545,571 175,545,571 175 175 175 175 175 175 175 175 175	13,599, 1,924,6 1,126,3 1,034,6 3,622,1
Provincial Irrigation Offices 33,720 299,294 2,450,265 116,834 20,650 2,922 Pi Di Deces Norte 33,720 299,294 1,581,205 183,295 6,032 1,763 Pi Di Deces Sur 42,099 144,812 1,385,504 45,303 9,769 1,622 Pi Di Beces Sur 42,099 144,812 1,385,504 45,303 9,769 1,622 Pi Di Beces Sur 42,099 144,812 1,385,504 45,303 9,769 1,622 Pi Di Beces Sur 42,099 144,812 1,385,504 45,303 9,769 1,622 Pi Di Beces Sur 50,644 695,177 1,185,425 91,500 32,768 2,155 Pi Di La Union 9,942 256,279 607,434 20,501 894 Sub-Total 4 (28,773 1,485,262 12,644,979 3,95,233 144,467 15,103 Pi Di Cagayan 91,619 334,572 634,561 384,004 51 1,645 Pi Di Airola Appyra 18,823 281,309 399,416 480,635 1,676 1,196 Pi Di Lincia 58,635 250,572 871,645 470,660 18,763 1,676 Pi Di Ugeo 10,365 18,000 781,603 315,743 4,407 1,196 Pi Di Newe Viscoya 32,938 226,800 711,944 283,299 36,750 1,299 Pi Di Newe Viscoya 32,938 226,800 711,944 283,299 36,750 1,299 Pi Di Newe Viscoya 32,938 226,800 711,944 283,299 36,750 1,299 Pi Di Newe Viscoya 32,938 226,800 711,944 283,299 36,750 1,299	638,851	1,126,3 1,034,6 3,622,1
Pi Aira \$3,626 1,521,205 83,289 6,002 1,765 Pi Dioces Sur 42,099 144,811 1,335,504 43,303 9,769 1,525 Pi Dioces Sur 42,099 144,811 1,335,504 43,303 9,769 1,525 Pi Di Monatini Privince 97,165 4,00,022 25,010 20,666 4,545 Pi Di Reguet 103,844 1,073,538 23,928 34,005 1,100 Pi Di Regueta 150,614 695,177 1,185,489 91,500 37,768 2,155 Pi Di La Union 9,942 256,279 607,434 20,567 894 Sub-Total 9 236,375 1,649,242 12,444,99 395,923 144,487 15,103 Pi Di Capyra 91,619 334,572 634,561 584,004 51 1,645 Pi Di Kaling Apyra 18,820 281,300 399,416 480,635 16,766 1,196 Pi Di Labela 53,635 250,572 871,843 470,660 18,785 1,670 Pi Di Niewe Viscoya 32,918 226,800 781,603 315,743 4,407 1,180 Pi Di Niewe Viscoya 32,918 226,800 781,603 315,743 33,759 1,259 Pi Di Niewe Viscoya 32,918 226,800 711,194 233,209 36,735 1,299	638,851	1,126,3 1,034,6 3,622,1
Pro Deces Sur 42,095 144,817 1,335,504 45,303 9,769 1,522 Pro Mountain Province 97,186 4,004,022 25,010 20,666 4,544 Pro Benguet 103,884 1,072,638 22,922 34,075 1,155 Pro Progres 150,614 695,177 1,185,425 91,500 32,768 2,155 Pro La Union 9,942 256,279 607,434 20,507 894 Sub-Total 0 225,775 1,652,627 12,644,898 395,925 144,447 15,100 Pro Capayan 91,619 334,572 634,561 384,004 51 1,645 Pro Capayan 18,823 281,302 399,416 440,035 16,766 1,196 Pro Labels 38,635 250,572 871,845 470,660 18,785 1,676 Pro laight 10,365 18,000 781,603 315,743 4,407 1,195 Pro News Viscoyn 32,918 226,800 781,603 315,743 4,407 1,195 Pro News Viscoyn 32,918 226,800 781,603 315,743 33,759 1,299 30,750 1,290 30,750 30,750 30,750 30,7	534,207 534 924,773 535 558,486 547 1,153,703 522 776,025 5,584,174	1,094,6 3,622,1
Pro Mountain Province 97,186 4,901,022 25,010 22,656 4,546 Pro Benguet 103,844 1,073,688 23,922 34,075 1,195 Pro Pengueina 150,614 655,177 1,185,475 91,500 32,768 21,575 Pro La Union 9,942 256,279 607,434 20,567 894 Sub-Total 0 238,773 1,638,242 12,64,898 385,923 144,447 15,103 Pro Captron 91,619 334,572 634,561 534,004 51 1,648 Pro Laiga Apoyan 18,823 281,300 399,416 480,635 16,766 1,196 Pro Laiga Apoyan 18,823 250,572 871,843 470,660 18,773 1,649 Pro Diugeo 10,365 18,000 781,603 315,743 4,477 1,190 Pro Newe Viscoya 32,918 226,800 781,003 315,743 4,477 1,190 Pro Newe Viscoya 32,918 226,800 781,194 283,299 36,750 1,299	\$84 924,771 \$85 558,486 \$47 1,153,700 \$22 776,025 \$45 \$,584,174	3,622,1
FIO Pagasiess 150.614 695,177 1.185,425 91,500 32,768 2,155 FIO La Unicon 9,941 255,279 607,434 20,567 894 Sub-Total 0 228,775 1,689,262 12,644,879 395,523 144,467 15,100 FIO Capayan 91,619 334,572 634,561 534,004 51 1,645 FIO Kaliga Appyan 18,823 281,302 399,416 480,635 16,766 1,196 FIO Labels 58,635 250,572 871,645 470,660 18,763 1,670 FIO Ingeo 10,365 18,000 781,603 315,743 4,407 1,190 FIO News Viscon 32,918 226,800 711,944 283,299 36,750 1,299	1,153,702 222 776,025 45 5,584,174	631.9
FIO La Union 9,942 255,279 607,434 20,567 894 Sub-Total 0 28,775 1,649,262 12,644,978 395,923 144,467 15,103 FIO Cayayan 91,619 334,572 634,565 534,074 51 1,645 FIO Kallaga Apayan 18,822 281,302 399,416 480,635 16,766 1,196 FIO Labela 53,635 250,572 871,843 470,660 18,743 1,670 FIO Burgeo 10,365 18,000 781,603 315,743 4,477 1,130 FIO News Vissyn 32,918 226,850 713,194 223,269 36,736 1,299	776,025 45 \$,584,174	
Sub-Total 0 238,775 1,689,262 12,644,999 395,253 144,467 15,103 IFTO Capsyna 91,619 334,572 634,561 584,004 51 1,645 FIO Kalinga Appyna 18,822 281,302 399,416 480,635 16,766 1,196 FIO Linbulu 58,635 250,572 871,843 470,660 18,783 1,670 PIO Bispo 10,365 18,000 781,603 315,743 4,407 1,180 FIO News Vissyn 32,918 226,800 713,194 283,209 36,736 1,293	45 5,584,174	
FIO Kalinga Apaysos 18,823 281,302 399,416 480,635 16,766 1,196 FIO Liabels 58,635 250,572 871,843 470,660 18,763 1,670 FIO Diages 10,335 18,000 781,603 315,743 4,407 1,130 FIO Neves Visioya 32,918 226,800 713,194 283,209 36,756 1,299		9,519,7
FO Inhelps 58,635 250,572 871,843 470,660 18,763 1,670 PO Hugeo 10,365 18,000 781,603 315,743 4,407 1,130 FIO News Viscoyn 32,018 226,850 713,194 283,293 36,736 1,293		203,2 268,0
FIG Nueva Viacaya 32,918 226,890 713,194 283,299 36,756 1,293	95 1,459,548	210,9
		25,8 275,0
PiO Quirino 4,667 157,603 512,382 274,253 1,682 950	888,315	62,2
Sub-Total 0 217,626 1,268,944 3,513,398 2,468,593 78,446 7,885 III P10 Naova Belja 189,640 239,400 163,140 84,527 14,500 691		1,645,4
III PIO Nieva Ecija 189,640 239,400 163,140 84,527 14,500 691 PIO Tarlac 48,641 245,453 222,369 11,750 1971 528		-467,9 -798,8
F10 Zerobalics 4,800 83,049 405,721 271,515 70 765	55 736,091	29,0
PIO Perspange 23,386 327,810 403,185 135,823 28,942 924 PIO Bulkern 185,958 8,557 288,511 101,600 1,070 585		-460,4 -296,6
PIO Retain 7,096 133,642 46,556 276,970 223 466		328,4
Sub-Total 6 464,522 1,837,916 1,529,483 82,181 45,601 3,550 IV PIO Aurora 3,500 88,963 1,487,957 207,562 26,315 1,814		2,323,2
IV FIO Aurora 3,500 88,963 1,487,957 207,562 26,315 1,816 PIO Quezon 70,197 577,331 537,121 243,914 0 1,828		995,3 672,8
PIO Rital 1,657 172,859 606,792 102,944 15,338 899	36 658,022	241,5
PTO Cayles 15,311 28,200 161,774 223,450 428 FTO Lagues 76,078 196,070 392,765 327,884 19,167 1,011		-129,7 206,4
PIO Batengra 35.671 375,754 510,788 585,804 79,602 1,588	19 907,185	681,4
F10 Merindaque 70,875 356,680 400,187 37,946 865 P10 Misdoro Oriental 626 376,308 180,669 233,602 36 791		208,6
FIO Mind we Occided		195,2 450,8
PiO Rombles 12,306 126,333 790,715 129,183 1,058	43 895,646	162,8
PTO Prizwa: 68,398 278,097 1,494,280 1,277,290 2,048 3,120 Sub-Total 0 325,725 2,513,594 7,368,127 4,571,750 183,176 145,672		2,157,2 5,843,7
PIO Camarines Norts 3,578 113,584 1,293,960 166,358 90,736 1,668	16 570,341	1,097,8
PTO Corporation Sur 228,326 661,665 1,586,303 535,052 144,990 3,156 PTO Consortion on 163,166 991,061 158,872 23,235 1,336		1,781,5 571,5
FIO Albay 1,500 346,645 1,533,093 159,158 110,702 2,153		1,232,2
P10 Sorsegon 500 448,682 1,576,191 507,248 27,100 2,559 P10 Musbaire 17,071 58,095 1,792,637 145,852 30,838 7,045		1,677,9
P10 Marbate 17,071 58,095 1,792,637 145,852 30,838 2,044 Sub-Total 6 259,975 1,793,837 8,773,246 1,472,239 427,599 12,918		1,390,7 7,751,9
71 PIO Akkan 27,904 577,515 470,088 20,086 1,055	64 834,146	261,4
PIO Cepiz 10,844 1,242,593 262,876 584 1,516 PIO Antique 36,621 1,758,273 458,621 5,336 2,258		774,8 1,426,8
PIO Reilo 147,129 932,328 622,967 2,230 1,704	03 881,117	823,50
PIO Negros Occidental 30,559 1,494,982 802,841 5,355 2,333	36 1,001,813	1,331,9.
'II P20 Ceba 1,933 324,951 2,848,957 967,750 94,041 4,237,		4,618,5 3,317,1
PIO Negros Criestal 27.936 367.213 2.479.498 521,371 229,226 3,625	1,044,553	2,580,69
FIO Robol 68,200 512,967 2,801,397 253,959 21,833 3,661 Sub-Total 6 52,672 1,748,132 8,132,851 1,743,865 345,100 11,514		2,585,6 8,443,4
III P10 Northern Status 30,503 60,040 1,946,162 504,040 17,530 2,538	16 595,407	1,962,80
PIO Sanar 900 866,651 1,652,254 \$58,303 27,683 3,135, FIO Estern Sanar 4,074 77,146 1,688,070 245,677 8,960 2,223		2,715,0 1,560,9
PIO Northern Leyte 25,011 209,285 2,784,599 380,731 11,045 3,380		1,560,9 2,363,7
FIO Southern Leyte 2,836 587,158 8,434,149 1,341,836 30,669 10,446,	28 681,932	9,764,7
PIO Zenb. del Norte 3,195 380,866 1,487,242 977,335 254(03) 3,007		19,368,3 1,967,7
PIO Zemb. del Sur 14,365 449,277 1,382,867 746,017 320,982 2,873,	1,072,891	1,800,6
Sub-Total 0 17,559 799,142 2,865,149 1,723,347 575,015 5,971, PIO Surigao del Norte 514 333,910 703,085 152,686 11,492 1,201,		3,768,3
PIO Agusan del Norte 34,838 159,535 688,072 301,307 128,580 1,315		343,4 480,4
FIO Misenis Oriental 92,058 1,013,537 484,231 72,585 1,662	2 795,681	866,7
PIO Bukidnon 23,836 385,846 943,095 955,647 40,652 2,354		256,0 1,155,5
F1O Agusan del Sur 3,100 76,313 260,278 4,427 13,190 357,	8 772,382	-415,0
Sub-Total 0 62.288 1,238,192 4,658,668 2,149,765 357,672 7,858, PTO Surigeo del Sur 2,886 220,485 1,212,577 610,458 180,079 2,256		2,687,2 1,497,7
PIO Derso Oriental 4,000 145,212 182,675 549,448 72,021 953,	939,138	1,497,7.
PIO Deven del Norse 52,501 677,245 1,228,938 618,025 106,264 2,682,	1,273,255	1,409,7
PTO Deviso del Sur 27,140 \$46,246 2,071,092 2,925,391 81,910 5,651, PTO South Cosubeto 109,035 680,105 2,815,780 2,565,223 246,593 6,356,		4,701,4 5,264,1
Smb-Total 0 195,561 2,269,293 7,511,662 7,208,583 686,676 17,871	4,984,129	12,887,2
I PIO Leono del Norte 23,643 352,742 3,041,168 532,829 14,970 4,015;	1,159,551	2,855,8;
PIO North Cotabato 46,230 832,648 2,092,681 (42,999 16,237 3,130)		-904,79 1,413,58
PIO Megulodanao 2,024 115,376 1,151,300 835,320 25,685 2,132,	1,067,930	1,064,17
FIO Sultan Koderni 42,920 241,481 1,622,254 286,854 20,630 2,214, Sub-Total 0 165,818 1,542,764 8,902,375 1,799,003 77,911 11,587,		1,111,74
TOTAL FOR PIO 6 2,351,981 23,138,135 81,524,431 36,232,752 3,050,199 140,297		5,540,53 76,191,32
TOTAL FOR RIO		
NISe AND PIOs 159,724,960 2,351,301 23,739,722 31,751,877 56,012,855 19,727,919 342,249,1 Notes: ISF - Infestion Service Fee; CISA - Communal Infestion Service Amortization; and CISE - Communal Infestion Service Equity	318,195,399	14,153,69

Notes: ISF - Irrigation Service Fee; CISA - Communal Irrigation Service Americation; and CISE - Communal Irrigation Service Equity Source: Treasury Department, NIA

NET INCOME OF RIOs, NISs and PIOs, 1986 - 1990

			YEAR		(Unit : Per
RIOs/NISs/PIOs	1986	1987	1988	1989	1990
Regional Errigation Offices		·			
RIOI	-7,889,436	-5,937,611	-5,218,910	6 907 216	6 000 0
жоп	-8,697,721	-8,669,041	-4,695,570	-6,897,216 -5,120,143	-6,903,3 -6,579,2
RIO III	-10,768,690	-8,712,717	-12,158,691	-8,025,236	-8,181,5
RIO IV	-2,416,836	-4,156,482	-5,321,526	-6,742,589	-8,131,2
RIO V	-5,421,448	-6,820,226	-5,507,529	-3,704,645	-8,445,2
RIO VI	3,158,984	5,679,662	-1,211,486	-4,368,780	-5,566,2
RIO VII/VIII	-4,578,758	-1,345,114	1,416,039	-4,625,179	-4,115,5
RIOIX	1,581,955	586,826	-2,120,813	-4,343,368	-6,129,
RIO X	3,230,264	5,045,068	5,813,496	-4,353,782	-7,083,2
RIOXI	7,485,871	13,358,272	17,371,148	-5,167,556	-8,489,
RIO XII	4,713,846	5,648,863	4,166,181	7,875,734	-8,010,6
TOTAL FOR RIOS	-19,601,969	-5,322,500	-7,467,661	-61,224,228	-77,635,1
AVERAGE	-1,781,997	-483,864	-678,878	-5,565,839	-7,057,7
lational Irrigation Systems	4 2 TE .				* *
REGION I	-4,431,513	-4,022,780	-4,632,801	-2,466,715	-4,279,9
REGION II	-3,862,018	-3,427,235	328,543	-1,255,081	-227,0
REGION III	-3,869,375	25,653,264	-4,367,533	-7,052,846	-14,331,2
REGION IV	223,852	-110,039	-3,495,565	3,506,749	-3,862,5
REGION V	-1,425,731	-2,036,795	-1,264,647	-2,414,380	1,735,5
REGION VI	2,191,820	2,899,872	-3,862,675	3,128,898	-1,083,4
REGION VII/VIII	-921,808	-4,808,407	-2,026,971	1,129,319	694,3
REGION IX	742,158	1,087,218	444,760	2,447,670	2,832,9
REGION X	5,797,442	5,116,837	5,331,646	6,373,178	5,978,5
REGION XI	8,962,043	11,291,333	11,533,081	14,053,580	14,549,4
REGION XII	5,007,993	1,634,317	2,306,480	8,398,309	3,867,8
TOTAL FOR NISs AVERAGE	8,414,863	33,277,585	294,318	25,848,681	5,874,4
rovincial Irrigation Offices	764,988	3,025,235	26,756	2,349,880	534,0
Tovincial Traigation Offices					
PIO Ilocos Norte	50,260	706,769	106,651	2,072,575	1,924,6
PIO Abra	11,258	312,280	252,689	1,584,147	1,126,3
PIO Ilocos Sur	45,401	34,166	254,986	462,742	1,094,6
PIO Mountain Province	534,151	738,326	1,936,917	2,492,898	3,622,1
PIO Benguet	400,570	561,280	1,103,495	2,392,775	631,9
PIO Pangasinan	545,780	1,098,383	1,692,948	1,605,685	1,001,8
PIO La Union	233,529	70,385	1,670,176	558,466	118,1
Sub-Total	1,820,949	3,521,589	7,017,862	11,169,288	9,519,7
Average	260,136	503,084	1,002,552	1,595,613	1,359,9
PIO Cagayan	370,870	515,836	253,038	65,590	203,2
PIO Kalinga Apayao	46,402	544,095	570,617	596,867	268,0
PIO Isabela	89,843	7,768	1,093,480	537,692	210,9
PIO Ifugao PIO Nueva Viscaya	60,777	30,575 325,558	736,057	136,405	25,8
PIO Quirino	499,273 326,620	173,717	861,186 640,339	532,885	275,0 62,2
Sub-Total	1,393,785	1,597,549	4,154,717	636,473 2,505,912	1,045,4
Average	232,298	266,258	692,453	417,652	174,2
I PIO Nueva Ecija	15,862	767,377	-198,198	-130,056	1,045,4
PIO Tarlac	-464,120	706,778	-525,323	-46,123	467,9
PIO Zambales	-126,890	528,607	136,255	-723,697	798,8
PIO Pampanga	-141,695	962,092	-377,200	-560,833	29,0
PIO Bulacan	-122,032	567,064	-315,187	-306,617	460,4
PIO Bataan	-270,783	542,299	-370,051	-413,477	296,6
Sub-Total	-1,109,658	4,074,217	-1,649,704	-2,180,803	3,098,3
Average	-184,943	679,036	-274,951	-363,467	516,3
/ PIO Aurora	-134,270	477,379	114,061	17,223	995,2
PIO Quezon	149,398	317,366	760,049	371,957	672,8
PIO Rizal	-247,455	-222,240	152,475	264,425	241,5
PIO Cavite	-232,330	52,981	-114,338	-213,538	129,7
PIO Laguna	-118,040	167,105	57,182	93,299	206,4
PIO Batangas	60,538	198,843	36,588	-28,092	681,4
PIO Marinduque	13,366	-206,518	-28,687	-204,590	208,6
PIO Mindoro Oriental	128,079	107,602	205,149	375,071	196,2
PIO Mindoro Occidental	1,147,572	279,489	488,165	665,890	450,8
PIO Rombion	457,529	69,965	83,937	-33,625	162,8
PIO Palawan	418,398	1,951,276	2,795,336	2,631,810	2,157,2
Sub-Total	1,642,785	3,193,248	4,549,917	3,939,830	6,103,2
Average	149,344	290,295	413.629	358,166	554.8

NET INCOME OF RIOS, NISs and PIOs, 1986 - 1990

(Unit : Peso)

	- 				(Unit : Peso
			YEAR		
RIOs/NISs/PIOs	1986	1987	1988	1989	1990
V PIO Camarines Norte	41,253	276,369	382,318	514,598	1,097,87
PIO Camarines Sur	166,321	111,844	432,871	511,623	1,781,567
PIO Catanduanes	-322,525	316,530	65,473	45,138	57,19
PIO Albay	-182,878	137,054	517,048	621,285	1,232,22
PIO Sorsogon	401,369	457,725	17,466	505,745	1,677,93
PIO Masbate	-204,961	40,232	194,772	110,570	13,901,732
Sub-Total	-904,159	1,339,754	1,609,948	2,308,959	19,748,52
Average	-150,693	223,292	268,325	384,827	3,291,42
VI PIO Aklan	79,545	647,237	775,599	741,859	261,411
PIO Capiz	48,486	260,971	336,160	1,431,120	774,847
PIO Antique	220,715	229,971	238,016	789,412	1,426,82
PIO Iloilo	151,002	256,624	281,335	190,883	823,580
PIO Negros Occidental Sub-Total	484,887 984,635	1,295,876 2,690,679	634,261 2,265,371	660,370 3,813,644	1,331,92
Average	196,927	538,136	453,074		4,618,595
VII PIO Cebu	789,144	607,660	1,306,592	762,729 1,391,940	923,719 3,317,110
PIO Negros Oriental	262,432	349,293	1,258,383	548,911	2,580,690
PIO Regios Oriental	114,123	415,949	319,432	531,078	2,585,613
Sub-Total	1,165,699	1,372,902	2.884.407	2,471,929	8,483,421
Average	388,566	457,634	961,469	823,976	2,827,807
VIII PIO Northern Samar	362,308	16,851	181,229	280,911	1,962,869
PIO Western Samar	-4,965	277,944	582,149	903,050	2,716,042
PIO Eastern Samar	-1,385	179,850	958,054	649,421	1,560,925
PIO Northern Leyte	180,932	495,769	1,541,252	1,288,028	2,363,710
PIO Southern Leyte	247,915	1,748,786	2,150,677	1,724,429	9,764,796
Sub-Total	60,189	2,719,200	5,413,361	4,845,839	18,363,348
Average	12,038	543,840	1,082,672	969,168	3,673,670
IX PIO Zamb. del Norte	121,790	775,799	1,020,789	731,242	1,800,611
PIO Zamb. del Sur	109,032	778,196	1,399,371	1,244,842	1,967,748
Sub-Total	230,822	1,553,995	2,420,160	1,976,084	3,768,359
Average	115,411	776,998	1,210,080	988,042	1,884,180
X PIO Surigao del Norte	365,357	407,526	64,271	169,477	343,482
PIO Agusan del Norte	136,195	380,041	1,076,126	1,193,580	480,484
PIO Misamis Oriental	77,110	753,048	924,316	1,358,095	866,731
PIO Misamis Occidental	174,225	881,043	880,321	1,159,425	256,064
PIO Bukidnon	663,187	1,221,939	1,380,060	2,363,814	1,155,584
PIO Agusan del Sur	39,139	504,920	627,700	672,234	415,074
Sub-Total	1,455,213	4,148,517	4,952,794	6,916,625	3,517,419
Average	242,536	691,420	825,466	1,152,771	586,237
XI PIO Surigzo del Sur	219,021	532,940	888,702	400,924	1,497,737
PIO Davao Oriental	134,844	755,115	936,790	601,300	14,218
PIO Davao del Norte	479,004	722,431	2,302,021	3,528,248	1,409,718
PIO Davao del Sur	406,011	1,524,998	3,357,474	4,685,240	4,701,414
PIO South Cotabato	1,254,857	2,875,429	4,303,298	1,879,326	5,264,120
Sub-Total	2,493,737	6,410,913	11,788,285	11,095,038	12,887,207
Average	498,747	1,282,183	2,357,657	2,219,008	2,577,441
XII PIO Lanao del Norte	377,332	1,302,613	2,830,611	3,188,412	2,855,822
PIO Lanao del Sur	-182,489	108,202	-108,004	-190,597	-904,793
PIO North Cotabato	643,531	2,437,896	2,203,912	5,517,280	1,413,586
PIO Maguindanao	1,287,285	2,505,257	1,966,880	3,246,513	1,064,175
PIO Sultan Kudarat	501,488	1,754,952	2,268,740	2,437,217	1,111,744
Sub-Total	2,627,147	8,108,920	9,162,139	14,198,825	5,540,534
Average	525,429	1,621,784	1,832,428	2,839,765	1,108,107
TOTAL FOR PIOS	11,861,144	40,731,483	54,569,257	63,061,170	96,699,219
AVERAGE TOTAL FOR PIO	177,032	607,933	814,467	941,211	1,443,272
TOTAL FOR RIOS	67A 670	£0 £0£ 5£0	49 205 014	27 (05 (22	44.030 444
NISS AND PIOS	674,038	68,686,568	47,395,914	27,685,623	24,938,422
AVERAGE FOR RIOS					100
NISs AND PIOs	61,276	6,244,233	4,308,719	2,516,875	2,267,129

Source: Treasury Department, NIA

SPACE REQUIREMENTS OF ADMINISTRATION OFFICE AND EQUIPMENT SHED, BY PIO

enio-	PIO	Status of		inistration			Status of	N'e-	of linui-		ment Shed	Same tec	m)	•
egion	NO	Status of Building	Nos.of Staff	New	Space (sq. m Rehabili	OK.	Status of Building	Existing	of Equip.	Total	New	Space (sq. Rehabili	m) OK	Ť
1	ILOCOS NORTE	Rehab.	100	110W	500	JR.	OK	25	38	63	570	econquat	375	
	ABRA	OK	41			205	ok	15	12	. 27	180		225	
	ILOCOS SUR	New	154	770			OK	18	11	29	165		270	
4		New	129	645			ок	22	24	46	360		330	
	LA UNION	Rehab.	83		415		OK	13	6	19	90		195	
	BENGUET	OK	99			495	OK.	13	42	55	630		195	
_7	PANGASINAN Sub-total	OK	175 781	1,415	915	875 1,575	<u>ok</u>	120	200	320	1,005 3,000	0.	1,800	
1 8	BATANES		701	1,413	213	1,313		120	200	320	3,000	· · ·	1,000	4
	CAGAYAN	Rehab.	158	-	790	•	Rehab.	38	12	50	180	570	-	
	D KALINGA APAYAO	Rehab.	29		145		New	21	ii	32	480	210		
	I ISABELA	OK	65		•	325	OK	21	16	37	240		315	
	2 IFUGAO	Rehab.	159		795		OK	12	34	46	510		180	
	NUEVA VISCAYA	Rehab.	303		1,515		New	25	23	48	720			
_14	4 QUIRINO	OK	42			210	Rehab,	. 20	11	31	165	300		
	sub-total		756	0	3,245	535		137	107	244	2,295	870	495	3,
	5 NUEVA ECUA 5 TARLAC	OK	83		205	415	New	15	21 5	36	540			
	7 ZAMBALES	Rehab. Rehab.	61		305 310		New Rehab.	14 11	7	19 18	285 105	165		
	B PAMPANGA	OK	43		210	215	QK	13	15	28	225	105	195	
	BULACAN	New	50	250		-13	OK	9	3	12	45		135	
	BATAAN	OK	43			215	New	15	5	20	300	:	103	
نتد	sub-total		342	250	615	845		77	56	133	1,500	165	330	1,
	AURORA	New	39	195			New	17	ı	18	270			
	QUEZON	Rehab.	. 57		285		Rehab.	14	6	20	90	210		
	3 RIZAL	New	48	240			New	9	3	12	180			
	A CAVITE	Rehab.	43		215	. 200	Rehab.	12	2	14	30	180		
	S LAGUNA	OK OK	52 64			260	New Rebah	10	8 · 5	18	270 75	210		
	5 BATANGAS 7 MARINDUQUE	OK New	54 55	275		320	Rehab. New	14 14	ì	19 15	75 225	210		
	MINDORO ORIENTAL	OK	33 44	213		220	OK	14	4	18	60		210	
	MINDORO OCCIDENTAL	Rehab.	81		405		Rehab.	22	7	29	105	330	210	
	ROMBLON	Renab.	84		420		Rehab.	15	. 2	17	30	225		
_31	PALAWAN	Rehab.	44		220		New	45	6	51	765			
	sub-total		611	710	1,545	800		186	45	231	2,100	1,155	210	3,
	CAMARINES NORTE	Rehab.	57		285		New	15	6	21	315			
	CAMARINES SUR	Rehab.	93		465	24-	OK	18	27	45	405		270	
	CATANDUANES	OK	42		200	210	New	14	1 22	15	225	105		
	S ALBAY S SORSOGON	Rehab. OK	76 125		380	625	Rehab. New	13 17	23 5	36 22	345 330	195		
	MASBATE	OK OK	69			923 345	Rehab.	13	3	14	15	195		
يند	sub-total	:	462	0	1,130	1,180	- Lealan	90	63	153	1,635	390	270	2,
I 35	AKLAN	Rehab.	55		275	.,	New	24	1	25	375			
	CAPIZ	New	103	515			OK	30	i	. 31	15		450	
	ANTIQUE	Rehab.	80		400		Rehab.	24	7	31	105	360		
	LOILO	Rehab.	150		750		OK	17	ı	18	15		255	
	NEGROS OCCIDENTAL	Rehab.	137		685		ox	30	4	34	60		450	
43	NEGROS DEL NORTE	<u>·</u>			-									
·	sub-total I CEBU	077	525	515	2,110	305	OK	125	14	139 25	570	350	1,155	2,
	NEGROS ORIENTAL	OK OK	61 69			305 345	OK OK	24 23	1 2	25 25	15 30		360 345	
	BOHOL	Rehab.	.360		1,800	343	OK OK	23	1	25 30	30 15		435	
	SIQUUOR	rectato.	.500	_	,000	-	-	-			- 13	-	-33	
	sub-total		490	0	1,800	650		76	4	80	60	0	1,140	_1,
	NORTHERN SAMAR	Rehab.	107		535		Rehab.	16	4	20	60	240		
49	SAMAR	Rehab.	56		280		New	18	1	19	285			
	EASTERN SAMAR	OK	47			235	New	21	4	25	375			
	NORTHERN LEYTE	Rehab.	140		700		New	23	8	31	465			
_52	SOUTHERN LEYTE	Rehab.	101		3 030	445	Rehab.	25		26	15	375	 	
	sub-total ZAMBOANGA DEL NORTI	Rehab.	451 52	0	2,020 260	235	Rehab.	. 103 24	18	121 24	1,200	615 360	0	1,
	I ZAMBOANGA DEL NORTI I ZAMBOANGA DEL SUR	New	52 53	265	200		New	24 24	14	38	570	300		
	BASILAN	1164	,,	200	_		1107	-		-	-	_	_	
	SULU	_				-	_	_	_	_			-	
	TAWI-TAWI	*	10.				<u> </u>				<u> </u>			
-	5110-10tal		105	265	260	- 0		48	14	62	570	360	0	
	SURIGAO DEL NORTE	New	74	370			New	. 19	5	24	360			
	CAMIGUIN	-	• •		. •	- '	-	÷ ,	-	•		•	•	
60	AGUSAN DEL NORTE	New	39	195			New	27	2	29	435			
	MISAMIS ORIENTAL	OK	65			325	New	25	2.	27	405			
61		OK.	43	240		215	OK	16 .	4	20	60		240 390	
61 62	MISAMIS OCCIDENTAL	New	128 74	640	370		OK Rehab.	26 14	8 5	34 19	120 175	210	390	
61 62 63	BUKIDNON	Pohoh	. 14	1,205	370	540	IXCHAU.	127	26:	153	1,455	210	630	2,
61 62 63	BUKIDNON I AGUSAN DEL SUR	Rehab.	473			. 210	New	19	2	21	315	: 2.7		
61 62 63 64	BUKIDNON AGUSAN DEL SUR sub-total		423 88						.3	21		270		
61 62 63 64	BUKIDNON AGUSAN DEL SUR Sub-total SURIGAO DEL SUR	New	88	440	105		Rehab.	1.5			- 4.1			
61 62 63 64 65 66	BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL	New Rehab.	88 21		105	735	Rehab. OK	18 27		29	45 30		405	
61 63 64 65 66 67	BUKIDNON AGUSAN DEL SUR SUB-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE	New Rehab. OK	88 21 147		. :	735	Rehab. OK OK		2 2				405 780	
61 62 63 64 65 66 67 68	BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL	New Rehab.	88 21		105 575 660	735	OK	27	2	29	30			
61 62 63 64 64 65 66 67 68	BUKIDNON AGUSAN DEL SUR Sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR	New Rehab. OK Rehab.	88 21 147 115		575	735 735	OK OK	27 52	2	29 54	30 30	:		
61 62 63 64 64 66 67 68 69	BUKIDNON AGUSAN DEL SUR Sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO Sub-total LANAO DEL NORTE	New Rehab. OK Rehab. Rehab.	88 21 147 115 132 503 205	440	575 660	735 1,025	OK OK Rehab.	27 52 48 164 22	2 2 3 12 3	29 54 51 176 25	30 30 - 45 - 465 - 45	720	780	2,
61 62 63 64 66 67 68 69 71	BUKIDNON AGUSAN DEL SUR SUB-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL SUR	New Rehab. OK Rehab. Rehab.	88 21 147 115 132 503 205 74	440	575 660 1,340	735	OK OK Rehab. Rehab. New	27 52 48 164 22 10	2 2 3 12 3 8	29 54 51 176 25	30 30 45 465 45 270	720 990	780 1,185	2
61 62 63 64 66 67 68 69 71 72	BUKIDNON AGUSAN DEL SUR SUB-total SURIGAO DEL SUR DAVAO DEL NORTE DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL NORTE LANAO DEL SUR NORTE NORTH COTABATO	New Rehab. OK Rehab. Rehab.	88 21 147 115 132 503 205 74 448	440	575 660	735 1,025	OK OK Rehab. Rehab. New OK	27 52 48 164 22 10 24	2 2 3 12 3 8	29 54 51 176 25 18 38	30 30 45 465 45 270 210	720 990	780	2,
61 62 63 64 66 67 68 69 71 72 73	BUKIDNON AGUSAN DEL SUR Sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO Sub-total LANAO DEL NORTE LANAO DEL SUR NORTH COTABATO MAGUINDANAO	New Rehab. OK Rehab. Rehab. OK OK Rehab. New	88 21 147 115 132 503 205 74 448 241	440 440 1,205	575 660 1,340	735 1,025	OK OK Rehab. Rehab. New OK New	27 52 48 164 22 10 24 23	2 2 3 12 3 8	29 54 51 176 25 18 38 28	30 30 45 465 45 270 210 420	720 990 330	780 1,185	2,
61 62 63 64 65 66 67 68 69 71 72 73	BUKIDNON AGUSAN DEL SUR SUB-total SURIGAO DEL SUR DAVAO DEL NORTE DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL NORTE LANAO DEL SUR NORTE NORTH COTABATO	New Rehab. OK Rehab. Rehab.	88 21 147 115 132 503 205 74 448	440	575 660 1,340	735 1,025	OK OK Rehab. Rehab. New OK	27 52 48 164 22 10 24	2 2 3 12 3 8	29 54 51 176 25 18 38	30 30 45 465 45 270 210	720 990	780 1,185	2,

NUMBERS OF CONSTRUCTION EQUIPMENT AND VEHICLE REQUIREMENTS, BY PIO (1) (2) Numbers of Catasing Equipmentications
(1) (2) (4) (5) (6) (7) (6) (7) (7) (8) (10) (11) (12) (13)
Bulloon Sade Dump Oct. These Pertable Woldin Choene Relater Waser Generates Waser Choene Pertable Truck (Water Choe VIII 44 NOKTHEN SAMAR

10 SAMAR

10 SANTERN SAMAR

11 SOATHEN LEYTE

12 SOATHEN LEYTE

13 SOATHEN LEYTE

14 ZAMENAN LEYTE

15 SOATHEN LEYTE

16 SAMAR

16 SAMAR

17 SAMENAN SAMAR

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21 CUZAN VI 38 AXLAN 39 CAPIZ 40 ANTOOL 41 D.OLO 42 NUGROS OCCIDENTAL 43 NEGROS DEL NORTE VII 44 CHBU
45 NEGROS ORENTAL
46 BOHOL.
47 SIQUIOR 9 CAGAYAN 10 KALINGA APAYAO 11 EMBELA 12 EMBELA 13 NUEVA VISCAYA 14 QUIRENO

E2 - 46

NUMBER OF OFFICE EQUIPMENT

					ice Equipmen			ffice Equipme			Equipment
Regio	10	PIO	Blue Print Machine	Copy Machine	Calculator	Blue Print Machine	Copy Machine	Calculator	Blue Print Machine	Copy Machine	Coloulata
- L	1	TLOCOS NORTE	Macaine	Machine	5	Machine	1	Carcutator 0	iviacitine 1	macnine l	Calculator 5
	2	ABRA	0	. 0	0	1	1	5	1	1	5
	3	ILOCOS SUR MOUNTAIN PROVINCE	. 0	0 0	6 14	0	1	0	1	1	6
	5	LA UNION	0	0	0	1	l ì	5	1	1	14 5
	_	BENGUET	ī	1	33	o	. 0	ō	ì	i	33
	7	PANGASINAN	11	. 0	9	0	. 1	0	1	1	9
-11	8	Sub-total BATANES	4	<u> </u>	67	3	. 6	10		7	77
11	9	CAGAYAN	1	0	15	0	i	0	1	1	-15
	10	KALINGA APAYAO	1	0	10	0	i ·	0	i	ī	10
		ISABELA	1	1	8	0	0	0	1	1 .	8
		IFUGAO NUEVA VISCAYA	0	0	0	1 0	l l	5	1	1 .	. 5
		QUIRINO	i	0	10	0	1 1	5	1	1	5 10
		sub-total	5	1	43	1	3	10			53
III		NUEVA ECIJA	1	0	10	0	1	0	1	i	10
		TARLAC ZAMBALES	. 0,	1	5 3	1 1	. 0 1	0 2	1	1	5 5
		PAMPANGA	1	i	4	0	0	1	1	1	5
		BULACAN	0	0	Ô	ĩ	1	5	i	i	5
	20	BATAAN	0	1	2	1	0	3		1	5
īv	21	sub-total AURORA	2	3	24 2	- 4	3	11 3	- <u>6</u>	6	35 5
٠,		QUEZON	1	o .	15	0	1	0	1.	1	15
	23.	RIZAL	ì	0	0	0	Ī	5	ī	Ī	5
		CAVITE	0	0	7	1	1	0	!	1	7
		LAGUNA BATANGAS	0	0	2 .10	1 -	1	3 0	1	1	5 10
		MARINDUQUE	Ö	ő	4	1	1	i	i	1	5
	28	MINDORO ORIENTAL	1	1	2	ò	ō	3	į	ī	5
		MINDORO OCCIDENTAL	-	1	20	0	0	0	1	1	20
		ROMBLON PALAWAN	. 0	0	15 0	1 0	1	0 5	1	1	15
-	- 31	sub-total		3	77		8		- 1 1	<u>1</u> 11	5 97
V	32	CAMARINES NORTE	Ī	0	10	0	1	0	- 1	1	10
		CAMARINES SUR	1	0	21	0	1	0	1	. 1	21
		CATANDUANES ALBAY	0	0 0	11 . 7	1	1	0	1	1	11
		SORSOGON	1. 1	0	10	0	1	0	1.		7 10
		MASBATE	ô	2	0	1	Ô	5	i	2	5
		sub-total	4	2	59	2	5	5	6	· · · · · · · · · · · · · · · · · · ·	64
VI		AKLAN	1	0	10	0	!	0	ì	ì	10
		CAPIZ ANTIQUE	0	0	0 3	l l	1	5 2	1	1	5
		ILOILO	ì	0	0	0	1	5	1	1	. 5
		NEGROS OCCIDENTAL	1	0	. 2	0	1	3	1	ì	5
	43	NEGROS DEL NORTE					<u> </u>		-		
VII	44	sub-total CEBU	3	0	15 15	0	5	15 0	5 1	5 1	30 15
• • • •		NEGROS ORIENTAL	i	ò	20	ŏ	1	ŏ	i	i ·	20
		BOHOL	1	0	0	0	1	5	1	1	5
	47	SIQUIJOR	3				2	-	3	3	40
VIII	48	sub-total NORTHERN SAMAR		<u>1</u>	16			5	1	1	16
		SAMAR	o	ő	0	1	1	5	1	1	5
		EASTERN SAMAR	0	1 -	12	1	0	0	1	. 1	12
		NORTHERN LEYTE	1	0	35	0	1	0	1	1	35
	32	SOUTHERN LEYTE sub-total	$\frac{1}{3}$	1 2	67	2	0 3	6	- 1 5		<u>5</u> 73
ĺΧ	53	ZAMBOANGA DEL NOR			<u>ii</u>	2	1		- 	<u>i</u>	11
	54	ZAMBOANGA DEL SUR	1	0	0	0	1	5	1 .	ì	5
		BASILAN	-			-	-	-	-	-	-
		SULU TAWI-TAWI		-	· -		-	-		·m	
		sub-total	2	0	11	0		<u>5</u>		2	16
X		SURIGAO DEL NORTE	<u>_</u>	0	10	1	1	0	- 	<u>ī</u>	10
		CAMIGUIN	• -	-	-	-	-		-	-	-
		AGUSAN DEL NORTE	1	0	4 9	0 0	1	1	1	l	5
		MISAMIS ORIENTAL MISAMIS OCCIDENTAL	1 1	0	12	0	1	0	1 1	L .1	9 - 12
		BUKIDNON	l	0	24	0	i	0	1	l	24
		AGUSAN DEL SUR	. 1	1	.12	0	ò	ŏ	î	ì	12
421	/2-	sub-total	5	1	71	1	5	1	6	6	72
ΧI		SURIGAO DEL SUR	· 1	0	8 10	0	1	0	l	i	8
		DAVAO ORIENTAL DAVAO DEL NORTE	1	1	10 10	. 0	1 0	0	. 1	1 1	10 10
		DAVAO DEL RORTE	1	1 .	15	0	0	0	1	1 1 ·	15
		SOUTH COTABATO	1	1	65	0	0	. 0	1	i.	65
	- 1	sub-total	. 5	3	108	0	2	0	5	3	108
XII		LANAO DEL NORTE	1	0	5	0	l	0	i i	1	5
		LANAO DEL SUR NORTH COTABATO	1 0	0 1	7 20	0 1	1 0	0	1 1	: 1	7 20
		MAGUINDANAO	0	0	0	1	i I	5	1	1 1	5
			1	ő	3	Ô	ì	2	i	- 1	5
_		SULTAN KUDARAT	1 .	0							,
		SULTAN KUDARAT sub-total Total	3 45	18	35 612	2 22	4 50	7 95	5	<u>5</u> 68	42 707

NUMBER OF MAJOR SURVEY EQUIPMENT

		4.	Annual .		Transit	<u> </u>	urvey and I	Hydraulic uto-Leve			urrent Met	er
egion		PIO			Existing		Required	Existing	Addit nal	Required	Existing	Addit'na
	1	ILOCOS NORTE	Projects 26	Nos 20	Nos 2	Nos 18	Nos 20	Nos 2	Nos 18	Nos 3	Nos 2	Nos
		ABRA	10	8	2	6	. 8	4	4	. 1		
	3	ILOCOS SUR	12	9	1	8	9	2	7	2		
	4	MOUNTAIN PROVINCE	20	15 5	. 3	12 4	15 5	· 2	13 1	. 1	1 2	
	6	LA UNION BENGUET	6 24	. 18	4	14	. !8	3	15	. 3		
	7	PANGASINAN	34	26	4	22	26	3	23	. 4		
		Sub-total	132	191	17	84	101	20	81	16	12	
[]		BATANES			-			-				
		CAGAYAN	14 12	11 9	3 4	· 8	11 9	4	7	2		
		KALINGA APAYAO ISABELA	13	- 11	2	. 9	: 11	6	5	2		
		IFUGAO	20	15	5	10	15	5	10	2		
		NUEVA VISCAYA	18	. 14	. 1	13	14	1	13	2		
	14	QUIRINO	10	8	3	5		4	4		2	
		sub-total	87 13	68 11	18	50 7	68 11	26 5	42 6	11		
ш		NUEVA ECHA TARLAC	5	5	3	2	5	· 3	2	î		*
		ZAMBALES	6	- 3	- 3	2	5	3	2	1	3	
	18	PAMPANGA	12	9	. 1	. 8	9	-3	6	2		
		BULACAN	2	. 2	1	1	2	2		. 1		
-	20	BATAAN	5 43	<u>5</u> 37	3 15	22	5 37	22	16	<u>1</u>		
IV	21	Sub-total AURORA	3	3	1	<u>##</u> _2	3	<u></u> 3	0	1		
••		QUEZON	7	. 6	4	2	6	5	1	1		
		RIZAL	2	2	. 2	. 0	2	2	. 0	. 1	1	
		CAVITE	1	. 2	3	0	2	5	0		3	
		LAGUNA BATANGAS	6 5	5	1	3	. 5	2	. 3	,	3 2	
		MARINDUQUE	1	2	4	0	. 2	. 4	. 0		. 3	
		MINDORO ORIENTAL	6	5	3	2	. 5	3	. 2	1	2	
		MINDORO OCCIDENTAL	12	9	3	6	9	7	2	2		1
		ROMBLON	3	. 3	. 2	1	3	. 6	. 0	1		
	31	PALAWAN	15	12 54	27	30	12 51	41	21	2		
· ·	33	SUB-TOTAL CAMARINES NORTE	61 8	6	2	- 30	6	2		13		
*		CAMARINES SUR	18	14	2	12	14	3	11	2		
		CATANDUANES	1	. 2	, 2	0	2	. 5	0	1	2	
	35	ALBAY	. 14		4	7	11	6	- 5	2		
٠.		SORSOGON	7	6	2	. 4	6	3	3	. 1		
-	37	MASBATE	3 51	42	15	27	<u>3</u> 42	22	<u>0</u> 23		2 11	
VI	38	sub-total AKLAN	1	2	2	0	2	3	0	1		
*1		CAPIZ	3	. 3	1	2	3	1	2	i		
		ANTIQUE	10	8	1	7	8	3	: 5	.1	2	
	41	ILOILO	2	2	2	0	2	2		1		
		NEGROS OCCIDENTAL	9	. 8	3	5	8	2	. 6]	. 1	
-	45	NEGROS DEL NORTE sub-total	25	23	9	14	23	11	13		7	
VII	44	CEBU	. 2	2	ī		2	3				
		NEGROS ORIENTAL	6	5	3	2	5	3		. 1		1
	46	BOHOL	- 6	. 5	3	2	5	4	i	1	2	
	47	SIQUIJOR	-		· · · ·			<u> </u>			<u> </u>	
*****		sub-total	14	12 6	4	5 2	12	10	3			
VIII		NORTHERN SAMAR SAMAR	4	3	j	2	6	1	2			
		EASTERN SAMAR	6	. 5	2	3	5	3		.1		*
		NORTHERN LEYTE	12	. 9	6	3.	9	- 2	. 7	2	. 2	
	52		3	3	2	1	3	2				
IV	57	SUB-total	32	26 2	15 3	11	26 2	11	15 0			
ix		ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	13	11		0 6	- 11	5 3		2		
		BASILAN	-	•	-		-					
	56	SULU	-		-			-				
	57	TAWI-TAWI	<u> </u>								<u> </u>	
	ZO	SUB-total	15	13 6	8 2		13	<u>8</u>				
Х		SURIGAO DEL NORTE CAMIGUIN	8			4	6					
		AGUSAN DEL NORTE	. 6	5	1	4	5	3	2	ĺ	2	
		MISAMIS ORIENTAL	6	. 5	. 2	3	- 5	2	3	. i	2	
		MISAMIS OCCIDENTAL	. 5	5	3		5	3		1		
		BUKIDNON	9	8	. 3	5	8	. 5		1		
	64	AGUSAN DEL SUR sub-total	8 42	6 35	<u>3</u>	3 21	35	18				
ΧĪ	65	SURIGAO DEL SUR	2	2	3		2	2				
		DAVAO ORIENTAL	3	3	· 1		3	i		. 1		. :
		DAVAO DEL NORTE	4	3	. 3	0	3	4	0		2	1.815
	68	DAVAO DEL SUR	. 5	5	3	2	5	1.0		1		
	69	SOUTH COTABATO	7	6		5	6	3		!		
 -	70	sub-lotal	21	19 6		9	19	11				
XII		LANAO DEL NORTE LANAO DEL SUR	8	5	1 2	5	6 5	4		1		
		NORTH COTABATO	15	12	3	9	12	5		2		
		MAGUINDANAO	12				9	11				10.15
		SULTAN KUDARAT		6	2	4	6	3	3		. 2	
		sub-total	49	38	- 11	27	38	24	16	7	10	

PROCUREMENTS OF ADDITIONAL OFFICE AND SURVEY EQUIPMENT

						ce l	Equipmen	ļ <u>.</u>	. <u></u>						urvey	and H	ydrauli	e Equ	ipme		
Region		PiO	Blue Pri Machine	3			Calculator			Total Cost	Trar		Auto	el	Steel 7		Curren Meter		Soil Aug	er	Total Cost
1	_	ILOCOS NORTE	Nos C	osi 0	Nos Cos		Nos Cost		Cost 14	126	Nos 18	Cost 1368	Nos 18	Cost 504	Nos 92		Nos i	Cost 84	Nos 3	Cost 60	2384
	2	ABRA	1	62	1 11	12	5 10	- 1	14	198	6	456	4	112	35	140	ó	0	1	20	728
		ILOCOS SUR	0	0	-	2	0 0		14	126 188	8 12	608 912	7	196 364	42	168 268	0	0	2		1012 1668
		MOUNTAIN PROVINCE LA UNION	1	62 62		12	0 0 5 10		14 14	198	- 4	304	13	28	67 19	76	1	84 0	1		428
		BENGUET	0	0		0	0 0		14	14	14	1064	15	420	84	336	- 1	84	3	60	1964
_	7	PANGASINAN	·····0	186	6 6		0 0 10 20		14 98	126	22	1672 6384	23	644 2268	118	472 1828	. 2	168 420	16	80 320	3036 11220
	8	Sub-total BATANES	3	180	6 6		. 10 20	-	98	976	84	0384	81	2298	457	1040		420	10	320	11220
		CAGAYAN	0	0	1 11		0 0		14	126	. 8	608	7	196	49	196	0	0	· 1	20	1020
		KALINGA APAYAO ISABELA	0	0		0	0 0		14 14	126 14	. 5	380 684	3 5	84 140	40 47	160 188	0	0	2	40 40	664 1052
		IFUGAO	1	62	1 11		5 10		14	198	10	760	10	280	75	300	-1	84	2		1464
		NUEVA VISCAYA	, 0	0	1 1		5 10		14	136	. 13	988	13	364	64	256	0	0	2		1648
~	14	QUIRINO sub-total	<u>0</u> 1	62	1 11 5 50	_	0 0 10 20		14 84	726	50	380 3800	42	1176	35 310	140 1240	0	<u>0</u> 84	10	200	6500
111	15	NUEVA ECDA	0	0	1 1		0 0		14	126	- 30	532	6	168	44	176	0	0	I	20	896
		TARLAC	1	62		0	0 0		14	76	2	152	2	56	20	. 80	0	0	0	0	288
		ZAMBALES PAMPANGA	1	62 0		0	2 4		14 14	192 16	2 8	152 608	2 6	56 168	19 41	76 164	0	0	0	0 20	284 960
		BULACAN	ĭ	62		12	5 10		14	198	ì	76	ō	0	4	16	ŏ	ő	0		92
	20	BATAAN	1	62		0	3 6		14	82	2	152	0_	0	15	60	0	0	- 0		212
ΤV	21	sub-total AURORA	<u>4</u> 0	248 0	0 3	0	11 27 3 6		84 14	690 20	22	1672 152	16	448	143	572 44	00	0	1	20	2732 216
	22	QUEZON	0	0	1 11	12	0 0	1	14	126	2	152	1	.28	21	84	0	0	0	Ó	264
		RIZAL	0	- 0	1 11		5 10		14	136	0.	0	0	0	8	32 20	.0	0	1	20 20	. 52 40
		CAVITE LAGUNA	.i 1	62 62	1 11 1 11	12 12	0 0		14 14	188 194	0 4	0 304	0 3	84	5 22	20 88	0	0	1	20	496
	26	BATANGAS	1	62	1 13		0 0	1	14	188	3	228	2	56	19	76	0	0	1	20	380
		MARINDUQUE	. 1	62 0	0 11	0	l 2		14	190 20	. 2	152	0	0 56	6 22	24 88	0	0	0		24
		MINDORO ORIENTAL MINDORO OCCIDENTAL	: -	0		0	3 6		14 14	14	6	456	2	56	41	164	0	Ö	2		716
		ROMBLON	1	62	1 1		0 0		14	188	1	76	0	0	10	40	. 0	0	0		116
-	31	PALAWAN	0	0 310	8 89		5 10		14	136	10	760 2280	21	308 588	54 219	216 876		84 84	10	200	1408 4028
v	32	sub-total CAMARINES NORTE	<u>5</u>	210		12	20 40 0 0		154 14	1,400	30	304	4	112	28	112	.: 0	0	- 10		528
	33	CAMARINES SUR	0	0	1 1	12	0 0	1	14	126	12	912	. 11	308	62	248	. 0	0	2		1508
		CATANDUANES ALBAY	1	62	1 11		0 0		14 14	188 126	7	0 532	0 5	0 140	4 49	16 196	0	0	1 2		36 908
		SORSOGON	0	0	1 11		0 0		14	126	. 4	304	3	84	24	96	Ö	ŏ	. 1	20	504
		MASBATE	111	62		0	5 10		14	86	0	0	0	0	12	48	0	. 0		20	68
VI	39	sub-total AKLAN	2 0	124	. 5 50 1 11	12	5 10 0 0		84 14	126	<u>27</u>	2052 0	23	644	179 5	716 20	0	0		140 20	3552 40
		CAPIZ	ì	62		12	5 10		14	198	2	152	2	56	12	48	ŏ	ě	i	20	276
		ANTIQUE	1	62	1 11		2 4		14	192	7	532	5	140	35	140	0	. 0	!	20	832
		ILOILO NEGROS OCCIDENTAL	0	0		12	. 5 10 3 6		14 14	136 132	. 5	0 380	0 6	0 168	7 33	28 132	0	0	Į. I		48 700
		NEGROS DEL NORTE				-															<u> </u>
		sub-total CEBU	0	124		0	15 30 0 0		70 14	784	<u>14</u>	1064 76	13	364 0	<u>92</u> 8	368 32	0	0	_	20	1896 128
		NEGROS ORIENTAL	. 0	0	1 11		0 0		14	126	2	152	2	56	22	88	0	0	1	20	316
		BOHOL	. 0	0	1 11	12	5 10	1	14	136	. 2	152	1	28	17	68	0	0	1	20	268
-	47	SIQUIJOR sub-total	- 0	0	2 2		5 10	3	42	276	5	380	3	84	47	188	0	0	3	60	712
Vill	48	NORTHERN SAMAR	0	0		2	0 0	1	14	126		152	3	84	22	88	0	Ö	1	20	344
		SAMAR	1	62	1 11		5 10		14	198	2	152	2	56	14	56	0	0	1		284
		EASTERN SAMAR NORTHERN LEYTE	1 0	62 0		0	0 0		14 14	76 126	3	228 228	2 7	56 196	20 42		; 0 0	0	1 2		384 632
		SOUTHERN LEYTE	Ö	ő	ò	Ů.	1 2		14	16	<u>i</u>	76	1	28	12			. 0			172
		sub-total	2	124		35	6 12		70	542	11	836	15	420	110			0			1816
		ZAMBOANGA DEL NOR ZAMBOANGA DEL SUR	0 1	0		2 2	0 0 5 10		14 14	126 136	0 6	0 456	0 8	0 224	7 44			0			48 896
		BASILAN			• .	-					-		-		-	_	-	-	-	-	-
		SULU	-		•	-		-	-	•	•	-		-		-	-	-	-	-	-
-	57	TAWI-TAWI sub-total	0	0	2 2	24	5 10	2	28	262		456	8_	224	51	204	0	0	3	60	944
X	58	SURIGAO DEL NORTE	1	62		12	0 0		14	188	4	304	3	84	27	108	0	0	į	20	516
		CAMIGUIN		-	;					120		304	2	56	21	84	. 0	0	1	20	464
		AGUSAN DEL NORTE MISAMIS ORIENTAL	0	0		12 12	0 0		14 14	128 126	4	228	3	30 84	21	84 84	0	0			416
	62	MISAMIS OCCIDENTAL	ō	0	1 11	12	0 0	1	14	126	2	152	2	56	. 18	72	0	0	,	20	- 300
		BUKIDNON	0	. 0	1 (1)		0 0		14	126	. 5 . 3	380	3	84 112	34 26			0		0 20	600 464
· · -	04	AGUSAN DEL SUR sub-total	<u>0</u> 1	62		<u>0 </u>	0 0 1 2		14 84	708	21	228 1596	17	476	147	588	0	-0			2760
		SURIGAO DEL SUR	0	0	1 11	12	0 0	1	14	126	0	0	0	0	7	28	. 0	0	1	· 20	48
		DAVAO ORIENTAL	0	0	1 11	0	0 0		14	126 14	0	152 0	2	56 0	12 12			0			276 68
		DAVAO DEL NORTE DAVAO DEL SUR	0	0		0	0 0		14	14	. 2	152	4	112	18			0			356
		SOUTH COTABATO	0	0	0	0	0 0		14	14	. 5	380	3	84	22	88	0	0	0	0	552
VII	70	sub-total	0	0	2 27	12	0 0		70 14	294 126	9	684 380	2	252 56	71 27			<u>0</u>			1300 564
		LANAO DEL NORTE LANAO DEL SUR	0	. 0		12	0 0		14	126	3	228	4.		22			. 0			448
٠	72	NORTH COTABATO	1	62	0.0	0	0 0	ī	14	76	9	684	7	196	53	212	. 0	0	1	20	1112
		MAGUINDANAO SULTAN KUDARAT	1 0	62 0	1 11		5 10		14 14	198 130	6	456 304	0	0 84	32 25			0			604 508
- 1		OULTERN KUDAKAT	U_						14												
	74	sub total	2	124	4 44	8	7 14	. 5	70	656	27	2052	16	448	159	636	0	0	5	100	3236

COSTS FOR PIO'S FACILITIES AND EQUIPMENT REQUIREMENTS, BY PIO

	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· ·			(Unit: 1,000 Peso)
Region	PIO	Buildin Administration Office	Fquipment Shed	Office & Surve Office Equipment	y Equipment Survey Equipment	Construction I Repair & Spare Parts of Existing Equipment	New	TOTAL
1	ILOCOS NORTE	500	570	126	2,384	4,560	48,582	56,722
2		2 000	180	198	728	2,693	18,192	21,991
3	ILOCOS SUR MOUNTAIN PROVINCE	3,080 2,580	165 360	126 188	1,012 1,668	3,697 4,998	15,185 28,529	23,265 38,323
	LA UNION	415	90	198	428	3,246	7,199	11,576
6		187	630	14	1,964	2,901	46,420	51,929
7	PANGASINAN		1,005	126	3,036	3,775	70,729	78,671
11 8	Sub-total BATANES	6,575	3,000	976	11,220	25,870	234,835	282,476
" 9		790	323	126	1,020	14,028	8,980	25,266
	KALINGA APAYAO	145	480	126	664	4,497	15,400	21,312
	I ISABELA	795	240 510	. 14 198	1,052	5,218 3,002	18,686 36,516	25,210
	P IFUGAO B NUEVA VISCAYA	1,515	720	136	1,464 1,648	7,426	21,590	42,485 33,035
	QUIRINO		240	126	652	5,203	11,755	17,976
	sub-total	3,245	2,513	726	6,500	39,313	112,927	165,284
	5 NUEVA ECIJA 5 TARLAC	305	540 285	126 76	896 288	3,061 2,727	26,170 9,509	30,793 13,190
	ZAMBALES	310	146	192	284	2,727	10,699	13,859
	PAMPANGA		225	16	960	3,368	16,096	20,664
	BULACAN	1,000	45	198	92	1,135	6,418	8,888
_20	BATAAN		300	82	212	3,725	6,970	11,289
TV 21	sub-total AURORA	1,615 780	1,541 270	690 20	2,732 216	16,244 4,876	75,860 1,210	98,683 7,372
	QUEZON	285	143	126	264	3,729	6,391	10,938
23	RIZAL	960	180	136	52	1,511	6,418	9,256
	CAVITE	215	75	188	40	2,330	3,562	6,409
	5 LAGUNA 5 BATANGAS		270 128	194 188	496 380	2,033 4,236	11,276 5,524	14,270 10,455
27		1,100	225	190	24	2,908	1,210	5,656
	MINDORO ORIENTAL		60	20	316	3,101	7,157	10,654
29		405	188	14	716	5,246	9,727	16,295
	ROMBLON	420	. 86 .	188	116	3,265	3,703	7,778
31	PALAWAN sub-total	220 4,385	765 2,389	136	1,408 4,028	13,514 46,747	4,421 60,598	20,464 119,546
V 32	CAMARINES NORTE	285	315	126	528	3,924	5,868	11,046
	CAMARINES SUR	465	405	126	1,508	4,425	30,168	37,097
	CATANDUANES		225	188	36	3,765	1,150	5,364
	S ALBAY S SORSOGON	380	394 330	126 126	908 504	2,987 4,054	26,620 5,299	31,414 10,313
	MASBATE		64	86	68	3,036	1,351	4,605
	sub-total	1,130	1,733	778	3,552	22,190	70,456	99,838
	AKLAN	275	375	126	40	6,737	1,150	8,702
	CAPIZ ANTIQUE	2,060 400	15 195	198 192	276 832	8,460 6,782	1,236	12,245 15,376
	ILOILO	750	15	136	48	4,718	6,976 1,210	6,876
	NEGROS OCCIDENTAL	685	60	132	700	9,982	2,878	14,437
_43								· •
3/11 44	sub-total CEBU	4,170	660 15	784 14	1,896	36,678 5,097	13,448 1,150	57,637
	NEGROS ORIENTAL		30	126	128 316	5,675	2,090	6,404 8,238
	BOHOL	1,800	15	136	268	6,960	1,493	10,672
_47			<u> </u>		·	<u> </u>		
17111 40	sub-total	1,800	60	276	712	17,732	4,733	25,313
VIII 48	NORTHERN SAMAR SAMAR	535 280	120 285	126 198	344 284	4,391 4,156	3,643 1,438	9,159 6,641
	EASTERN SAMAR	200	375	76	384	5,922	3,300	10,057
51	NORTHERN LEYTE	700	465	126	632	6,800	7,457	16,180
_52	SOUTHERN LEYTE	505	109	16	172	5,918	1,411	8,130
TV 52	sub-total ZAMBOANGA DEL NORTE	2,020 260	1,354 90	542 126	1,816	27,187 10,809	17,249 168	50,167 11.501
	ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	1,069	570	136	896	6,571	14,618	23,851
	BASILAN	-	•	-				-
	SULU	-	÷ .		-	•	: -,	· · · · · ·
_57	TAWI-TAWI	1 220				17.700	3 1 706	25.252
X 58	sub-total SURIGAO DEL NORTE	1,320 1,480	660 360	262 188	944 516	17,380 4,678	14,786 5,904	35,352 13,126
	CAMIGUIN		-		-	4,070	3,70	15,120
60	AGUSAN DEL NORTE	780	435	128	464	7,044	1,949	10,800
	MISAMIS ORIENTAL		405	126	416	7,859	2,090	10,897
	MISAMIS OCCIDENTAL BUKIDNON	2,560	60 120	126 126	300 600	4,569 9,200	4,644 5,206	9,699 17,812
	AGUSAN DEL SUR	370	128	14	464	3,578	5,904	17,812
	sub-total	5,190	1,508	708	2,760	36,928	25,697	72,790
	SURIGAO DEL SUR	1,760	315 113	126	48	4,324	4,006	10,579
	DAVAO ORIENTAL DAVAO DEL NORTE	105	30	126 14	276 68	5,485 5,837	3,492 3,502	9,597 9,450
	DAVAO DEL RORTE	575	30	14	356	14,690	1,889	17,554
69	SOUTH COTABATO	660	225	14	552	11,991	4,476	17,918
	sub-total	3,100	713	294	1,300	42,328	17,364	65,098
	LANAO DEL NORTE LANAO DEL SUR		128 270	126 126	564 448	7,025	2,520	10,362
	NORTH COTABATO	2,240	210	76	448 1,112	1,454 5,724	13,642 17,417	15,940 26,779
	MAGUINDANAO	4,820	420	198	604	5,282	8,588	19,913
	SULTAN KUDARAT	1,540	139	130	508	7,825	3,300	13,442
	sub-total	8,600	1,166	656	3,236	27,310	45,467	86,435
	Total	43,150	17,295	8,092	40,696	355,967	693,420	1,158.620

DISBURSEMENT SCHEDULE OF PROPOSED FACILITIES AND EQUIPMENT, BY PIO

			1993	1994	1995	1996	1997	1998	1999 - 2001	: 1,000 Pe Total
Ī	1	ILOCOS NORTE	8,140	22,836	25,746	0	0	Ü	0	56,727
	2	ABRA ILOCOS SUR	7,864 15,211	0	5,921 0	655 7,399	7,550 655	0	0	21,991
	4	MOUNTAIN PROVINCE	14,412	655	22,550	706	000	0	0	23,265 38,323
	5	LA UNION	4,377	4,106	3,092	0	ŏ	ŏ	ŏ	11,576
	6	BENGUET	9,213	15,115	17,393	0	706	9,503	0	51,929
		PANGASINAN Sub-total	8,950	31,736	37,985	9.740	0	0.603	0	78,671
ll	8	Sub-total BATANES	68,165	74,449	112,687	8,760	8,911	9,503	. 0	282,476
••	9	CAGAYAN	16,287	1,210	1,200	1,822	4,748	0	0	25,260
	10	KALINGA APAYAO	6,920	14,392	0	: 0	0	0	0	21,31
	11	ISABELA	6,524	2,930	15,756	0	0	. 0	0	25,210
	12 13	IFUGAO NUEVA VISCAYA	7,178 :11,445	202 2,729	24,896 10,602	9,503 655	0 7,604	706 0	.0	42,483 33,03
	14	OUIRINO	7,229	4,920	5,827	033	7,004	0	.0	17,970
		sub-total	55,582	26,382	58,282	11,980	12,353	706	0	165,28
Ħ	15	NUEVA ECIJA	5,631	6,466	18,696	0	0	0	0	30,79
	16 17	TARLAC ZAMBALES	3,681 3,160	3,360 4,207	6,149 202	6,290	0	0	0	13,190 13,859
	18	PAMPANGA	4,569	6,038	9,402	0,230	655	ő	ő	20,66
		BULACAN	2,470	6,418	0	0	0	0	0	8,88
	20	BATAAN	4,319	3,562	0	3,408	0	0	0	11,289
V	21	sub-total AURORA	23,831	30,050	34,448	9,698	655	0	0	98,683
1	22		7,372 5,756	0 202	0	0 4,325	0 655	0	0	7,372 10,938
	23	RIZAL	2,839	6,418	ő	0	0	Ö	ŏ	9,250
	24	CAVITE	6,409	0	0	0	0	0	. 0	6,409
	25	LAGUNA	2,993	3,790	7,487	0	0	0	0	14,270
	26 27	BATANGAS MARENDUQUE	4,931 4,447	1,034 1,210	4,489 0	0	0	· 0	0	10,45; 5,650
	28	MINDORO ORIENTAL	3,497	1,008	202	5,947	0	0	0	10,654
	29	MINDORO OCCIDENTA	6,568	1,579	8,148	0	Ö.	ŏ	ŏ	16,29
	30	ROMBLON	7,576	0	0	202	0	0	0	7,773
	31	PALAWAN	16,386	0	343	3,079	655	0	0	20,46
,	32	sub-total CAMARINES NORTE	68,774 6,529	15,240 4,517	20,669	13,553	1,310	0	0	119,540
	33	CAMARINES SUR	8,105	2,746	26,246	ŏ	ŏ	ő	ŏ	37,097
	34	CATANDUANES	5,364	0	Ó	0	0	0	0	5,364
	35	ALBAY	5,944	8,518	16,952	0	0	0	0	31,414
	36 37	SORSOGON MASBATE	6,224 4,403	3,434 202	655 0	0	0	0	0	10,313
-		sub-total	36,568	19,416	43,854	- 0		0	0	4,605 99,838
Ī	38	AKLAN	7,553	1,150	0	0	0	0	0	8,707
	39	CAPIZ	11,009	1,034	202	0	0	0	0	12,245
	40	ANTIQUE	10,376	5,000	0	0	0	0	0	15,376
	41 42	ILOILO NEGROS OCCIDENTAL	6,876 - 11,902	0 1,368	0 1,166	0	0	. 0	0	6,876 14,437
	43	NEGROS DEL NORTE	11,702	1,500	-		-	-	-	-
		sub-total	47,716	8,552	1,368	0	0	0	0	57,637
11	44	CEBU	6,404	0	0	0	0	0	0	6,404
	45 46	NEGROS ORIENTAL BOHOL	7,499 9,320	739 202	1,150	. 0	0	0	0	8,238 10,672
	47	SIOUIJOR	3,320	202	1,120		_	_	. *	10,077
		sub-total	23,223	941	1,150	0	0	0	0	25,313
I	48	NORTHERN SAMAR	6,867	202	2,090	0	0	0	0	9,159
	· 49 50	SAMAR EASTERN SAMAR	6,439 7,967	202 2,090	0	. 0	0	0	0	6,641 10,057
	51	NORTHERN LEYTE	11,385	2,090	3,888	706	0	0	0	16,180
	52	SOUTHERN LEYTE	7,929	202	0	<i>.</i> 0	0	0	0	8,130
		sub-total	40,586	2,897	5,978	706	0	0	0	50,167
ζ.	53	ZAMBOANGA DEL NOI	11,501	0 . s sao	2 900	0	0	0	0	11,50
		ZAMBOANGA DEL SUF BASILAN	10,382	5,579	7,890	. 0	0	. 0	0	23,851
		SULU		-	-	-	-	-	- -	-
	57	TAWI-TAWI			· <u>- , </u>	<u> </u>	<u>-</u>			-
,	- 20	sub-total	21,884	5,579	7,890	0	0	0	0	35,352
(-58 59	SURIGAO DEL NORTE CAMIGUIN	8,371	202	3,898	655	0	0	0	13,126
		AGUSAN DEL NORTE	10,061	0	739	0	0	0	ō	10,800
	61	MISAMIS ORIENTAL	9,956	202	739	0	0	0	. 0	10,89
	62	MISAMIS OCCIDENTAI	5,055	1,008	3,636	0	. 0	0	0	9,69
į	63	BUKIDNON	13,957	3,854	0	0	. 0	0	.0	17,817
	64	AGUSAN DEL SUR sub-total	5,703 53,103	4,754 10,020	9,012	655	0	0	0	10,45 72,79
Ī	65	SURIGAO DEL SUR	10,579	0	9,012	0	-	0	0	10,579
	66	DAVAO ORIENTAL	8,942	0	0	ŏ	655	ŏ	ō	9,59
		DAVAO DEL NORTE	9,450	0	0	0	0	0	0.	9,450
		DAVAO DEL SUR	16,815	0.	739	: 0	. 0	. 0	0	17,55
•	69	SOUTH COTABATO sub-total	17,717 63,502	202	739	0	0 655	0	0	17,913 65,093
ĪĪ	70	LANAO DEL NORTE	8,876	202	1,082	202	0.03	0	0	10,36
	71	LANAO DEL SUR	8,884	7,056	0	. 0	. 0	0	0	15,940
		NORTH COTABATO	10,512	1,116	15,151	0	0	0	0	26,779
		MAGUINDANAO	12,500	773	6,640	0	0	0	0	19,91
	14	SULTAN KUDARAT Sub-total	11,150 51,922	2,090 11,237	202 23,075	202	0	0	0	13,443 86,433

ANNEX F

PROFILES OF SAMPLE SUB-PROJECT (RESULTS OF POST-EVALUATION STUDIES)

ANNEX F

PROFILES OF SAMPLE SUB-PROJECT (RESULTS OF POST-EVALUATION STUDIES)

Table of Profiles

Profile No.	Region	Province	Name of CICe/CIDe
FIORIE NO.	Region	FIOVINCE	Name of CISs/CIPs
1	I	Pangasinan	Alos-Paed CIS
2 3		3	Nama-Inuman-Sugcong CIS
3			Calsib CIS
4	II	Nueva Vizcaya	Allay-Nangcalapan CIS
5 6 7 8			Conception CIS
6			Casat-Wacal CIS
7		_	Simmaguer CIS
8	III	Pampanga	Camias CIS
9		•	San Agustin CIS
10			Gatiawin CIS
11	IV	Palawan	Tigman CIS
12			Barake CIS
13	3.7		Tagbuaya CIP
14	V	Camarines Sur	init CIS
15			Kaanunangan CIS
16			Gatbo CIS
16	νπ	T1 = 13 =	Curry Caromas CIS
18 19	VI	Iloilo	Bayunan CIS
20			Bairan CIP
20	VII	Cohu	Tanduyan CIS
22	VIII	Cebu	Argao CIS
23			Lagan-Ocana CIS
24	VIII	Northern Leyte	Dumanjug CIS Macanip CIS
25	ATIT	Normem Leyte	Maragundong CIP
$\frac{25}{26}$			Caray-Caray CIS
27	IX	Zamboanga del Sur	Guiwan CIS
28	123	Zamooungu der our	Vitali CIP
29			Binayan CIP
30	X	Misamis Oriental	Lampasyao CIS
31			Lourdes CIS
32			Farmbugas CIP
33			Mat-i II CIS
34	XI	Davao del Norte	Linoan CIS
35			Daunan CIS
36	XII	Lanao del Norte	Balili CIS
37	*		Waterfalls CIS
38			Limuag CIS
·.			

· .	SSIDP SAMPLE SUB-PROJECT PROFILE	General Layout :		land and a state of	
	Code: E 01 07 050 A Name: ALOS-PAED CIS	250. BO. 1900.	555	ALOS-PAED CIS	
	Region: I Province: PANGASINAN Municipality: ALAMINOS	STA JUNES LINES TO STATE AND STATE A	i Bart o Su i Minister de la Companya de la Company		
	Planning, 2. F/S, 3. D/D, 4. Construction, (SRehab/Imprv., (S)	244 144	TALL CONSTRUCTOR OF SEC.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	IA: ALOS-PAED IA		MAY OF BEN FLORENT	********	
	Technical Assessment (F/S, D/D, Construction, O/M) :		3	CATS, Dave 608 MODELS, DOS	
	1. General: Concrete diversion weir and canals were constructed in 1972 through a local government	A			************
	in 1989 as CIS and is scheduled to be completed in December 1990. No data on F/S, design and			<u> </u>	
	construction in early 1970s are available at present.	-	Soft of the second		
	2. F/S : Planning for the rehabilitation was made in 1988 based on 1/4,000 topo. map. Discharge				
	measurement was done by Hoatation method. Land capability and soils were assessed using the soil	THE		ALDS-PAED C.1S.	
	1. DAD : Design for the rehabilitation was made based on 1/4,000 topo, map and 10 drawings were		FILL FOR THE	LEGENO:	
	prepared. (Duration: 6 months)		IN IN	MODELET OF MELA	
	4. Construction: The rehabilitation is being conducted under NIA force account base. The IA parti-	170, 1917 F. S.			
-	cipates in the work and renders equity in the form of labor and local materials.	J	11	TANK STOR	-
	5. Outstanding Issues :	•		MCMCLATIVE.	
F-	- Three irrigation canals have to be re-located because of unexpected Right-of-Way problem.) i compression e sign office e			
	Ago-Economic Assessment :	Sub-Project Background:	Principal Feature of Sub-Project :	Plan Actual	Z
	1. Target cropping intensity is 176%, while present intensity is 160%.		1. Net Imigable Arca		
	2. Soils and land slope are suitable for paddy cultivation.	1. F/S	- Wet season (ha)	280	
		2. D/D :	- Dry season (ha)	212	
	bilitation, average paddy yield is expected to increase from 2.5 tons/ha	3. Construction : 1972	2. Diversion Weir		
•	to 3.5 tons/ha for both wet and dry seasons with an application of improved farming practice.	4. Past Rehab Лтргv. : On-going		Concrete	
-		Costs Spent for Sub-Project	- Length (m)	29.50	
		(1,000 Pesos) :	Height (m)	1.50	
	Institutional Assessment:		3. Intake	(
	 Farmers really want the rehabilitation of the existing uragation faculties but they were quite. 	1. Initial Const.	- Design Discharge (US)	 	
		Z. Zast venao mipry.		9, 6	~~
	the PIO explained the system and nature of the program to them, the farmers come to understand	Fund Kequired for Sub-Project		3	
,	the necessity of repayment and they are willing to accept the loan.	(1,000 Pesos):			
	2. The IA was organized even before NIA came in, but the registration of IA was in 1989. They have				
	undergone NIA's training on system management and financial management in order to facilitate				
	O & M after the turn-over.	orv.: 3,500 (As of 1988			eter and any
		(As of 19	110. Access Road (km)	0.50	
		JP-Project	,		
	Environmental Assessment:	as of 1988 : 20 %			
	1. No negative environmental impact is anticipated.	Remarks:		٠	******
					1

SSIDP SAMPLE SUB-PROJECT PROFILE	General Layout :		<u> </u>
Code: E 01 07 312 N Name : NAMA-INUMAN-SUGCONG CIS	purers one way (Decome)	MANA HABITA SECOND CIS	
1: 1 Province: PANG	13	3 THE STATE OF THE	
Present Status: 1. No Planning, 2. F/S, (3) D/D, 4. Construction, 5. Rehab/Imprv, (6) O/M			
I.A.: NAMA-INUMAN-SUGCONG IA Nos. of Members: 400 Households			
Technical Assessment (F/S, D/D, Construction, O/M):	The second secon		,
1. General : A diversion weir and major irrigation facilities were constructed in 1950s under local			
government's assistance, but the wear was totally washed away by 1100d in 1967. Because of this	The second secon		A
sination and deterioration of causas and causal surdenies, 175 and design for the renabilitation were conducted in 1988 by NIA and the rehabilitation is expected by farmers.			
2. F/S: Planning for the rehabilitation was done in 1988 based on 1/4,000 topo. map. Discharge	ACTIVE CON CONTRACTOR		
measurement was conducted by floatation method. Soil survey and agro-economic survey were	1752		
also done. (Duration : O months) 3 D.D. Desien for the rehabilitation was done in 1988 based on 1/4 000 tood, map.	LEGENO: RESERVE		
(Duration: 6 months)	COURT CALL THE PARTY OF THE PERTY OF THE PER		
4. Outstanding issues:	ALL THE STATE OFFICE COMMITTEE COMMI		
- Irrigation facilities are not functioning at present since the diversion we'r was washed away.	C CANAL TTIMETHES		
	MERCE REPORTED AND AND A		
		manufacture (m · ·	
F	C.i. Denisor Designation		Ţ-
- 2	•	1 Nei Infestic Area	<u> </u>
A man White A center for 1		- Wet season (ha)	
Agy-Ductional constraint is about 100% and target intensity is 149%.	2. D/D		-, 3 -
12. Soils and land slone are suitable for paddy cultivation.	truction : 1950s	•	
3. Average farm size is 0.9 ha,	mprv.	- Material : Concrete (Washed	8
4. Present paddy field is 3 tons fina and target yield is 4 tons fina.	Costs Spent for Sub-Project	- Length (m) : 39.50 away.in.	ij
	(1,000 Pesas) :	- Height (m) : 1.00 1987)	6
			مبيسمي
Institutional Assessment:	L. Initial Const.	LOSSED Discourge (us)	
1. Beneficiands have an officially registered l.A.		Main Canada (Kin)	**
2. The IA agreed that cash equity will only be accepted if the value of the rendered labor and	or Sub-Project	Laterals/Sub-Laterals (km) : 1	
raw materials will not be enough to cover the agreed 50% share of the IA.	(1,000 Pesos) :	5. Field Ditches (km) 5.00	
3. The IA members were willingly involved in the design and are willing to be involved in the			
construction.	: (As of 19)	∞i ·	
	2. Rehab Jimprv. : 5,264 (As of 1983)	9. Dramage Ditches (km) : 10. Access Road (km)	
	Project		
Environmental Assessment:	as of 1988 : 37 %		
1. This sub-project area is near a cement factory and pollution caused by the factory is anticipated.	Remarks:		

	SSIDP SAMPLE SUB-PROJECT PROFILE FILENO: 3	General Layout:		
	Code: E 01 07 010 A Region: I Province: PANGASINAN Municipality: AGUILAR Present Status: 1. No Planning, 2. F/S, 3. D/D, 4. Construction, 5. Rehab/Imprv., ⑥O/M		Carisia Cia	Si 0
· · · · · ·	⊊ ₩	A A second second		
•	of PACD (Fresidential Assistance on Community Development) in 1964. Because of deterioration of these facilities, canals and canal structures were rehabilitated in 1987 as CIS. Data on F/S, design and construction in 1964 are not available at present.			
	 P/S : Planning for the rehabilitation was made in 1986 based on 1/4,000 topo, map. Discharge measurement was done using floatation method. Soil survey and agro-economic survey were also carried out. (Duration : 1 year) 	Take to the second seco		
	3. D/D : Design for the rehabilitation was made in 1986 based on 1/4,000 topo. map. (Duration : 5 months)		2	
	4. Construction: The rehabilitation was carried out under NIA force account base in 1987. The IA participated in the work under Pacquiae contract. Supervision was done with an emphasis on quality	LEGENS. TO MANAGEMENT OF ANGLE STREET,	/ ≪ ≅	}
	control of concrete. (Duration: 8 months) 5. O/M: Farmers participation in the maintenance of the irrigation facilities is satisfactorily conducted	O STRUCTIVES	BACALINA COCHI COST CO)
F	although some farmers do not obey the IA plans. All the facilities are functioning but the weir only needs a rehabilitation.	onth Charle		
	6. Outstanding Issues : - Irrigation area in dry season has increased from 149 ha in F/S to 180 ha owing to available water			,
******	in the river and engerness of farmers to unigatedd farming.	Sub-Project Background :	Principal Feature of Sub-Project : Plan	Actual
-,	Agro-Economic Assessment:	1. F/S	- Wet season (ha) : 180	81
		2. D/D		8
	 Souls and thing slope are suitable for paddy cutivation. Average farm size is 0.4 ha. 	Construction Past Rehab.fimprv.	2. Diversion weur . (Not in-	Concrete
	 Reesent paddy yield is 3.75 tons/ha and 4.25 tons/ha for wet and dry seasons, respectively, although target yield in F/S was 3.5 tons/ha. 	Costs Spent for Sub-Project (1,000 Pesos) :	- Length (m) : cluded in - Height (m) : refeb.)	
	Incitinitional Assessment	1 Initial Const	charge (He)	
· ; ;	1. The farmers were involved in the rehabilitation in 1987 and generated the required equity in the	2. Past Rehab Imprv. :	Main Canals (km)	
	form of labor and materials.	Fund Required for Sub-Project	5. Laterals/Sub-Laterals (km) : 2.00	200
	 Recently, some IA members have come not to pay. As a result, repaid amoun in 1939 was only 10%. Those farmers are aware that strict sanction will not be imposed to them because of their indebted- 	1. New Const. : (As of 19) 8. 2. Rehab./Imprv. : 530 (As of 1986) 9.) 8. Secondary (Ferm) Drains (km): 6) 9. Drainage Ditches (km):	
	ness.	3. Expansion : (As of 19 EIRR of Sub-Project) 10. Access Road (km)	
	Environmental Assessment:	as of 1986 : 17 %		
	Farm income has increased due to increase in nice production and cropping intensity.	Remarks:		

The second secon	- The state of the	A STREET OF STRE	The state of the s	on 17) troops						The second secon	The state of the s					The state of the s		1.5	1. Net imgable Area - Wet season (ha) : 117	••	13 13 13 13 13 13 13 13 13 13 13 13 13	- Material : Concrete/ Brush	:	- Length (m) : 80.00	3. Intake	Design Discharge (Vs) : 188.00	4. Main Canals (km) : 6.22	5. Laterals/Sub-Laterals (km) : 2.00	6. Field Ditches (km) : 4.00		Secondary (Farm) Drains (km):	19. Dramage Diches (km) : 4.00	Access road (Aut)	
I	ALLAY-NANGCALAPAN CIS	Section 1				Tri trine and a line a		The state of the s		Ð		L EGENO	Sandania O	THE STATE OF THE S	TO A THE PROPERTY OF THE PROPE	MANIA CHEEK AMATERNATA		Sub-Project Background:	1. F/S	2. D/D	3. Construction : Unknown	4. Past Rehab Ampry.	Costs Spent for Sub-Project	(T,UOU PEROS)	1. Initial Const. :	2. Past Rehab //imprv. :	Fund Required for Sub-Project	(1,000 Pesos) :			orv. : 8,015	3. Expansion : (As of 19 Expo of 8.19	as of 1990 : 12%	Remarks:
FILE NO. 4	'N CIS	BAMBANG	ларгу., © ОМ	ers : Households		1. General: The irrigation facilities were constructed by farmers based on their experience. No data	he originally poor	facilities, an entire rehabilitation of the existing facilities and construction of a concrete weir are		2. F/S : Planning for the rehabilitation was conducted in 1988. Discharge measurement had been	b. A core-wall type		rry level.			Increase two problems for the construction, i.e., access to the area and non-availability of saint and eravels in the area.										There are two farmers associations, i.e. Allay and Nangealapan. The farmers in Allay area has	atready an IA of 32 members but those in Nangealapan area does not have IA. At present two		There is difficulty in holding a meeting of farmers because of far distance among their houses.					
PROFILE	Name: ALLAY-NANGCALAPAN CIS	Municipality:	4. Construction, 5. Rehab/Imprv., 600/M	Nos. of Members		y farmers based on t	of deterioration of the	ities and construction	- 1	in 1988. Discharge n -	on 1/4,000 topo, man	•	ed out at a satisfacto		ly high.	coess to the area and		•								angealapan. The far	pan area does not ha		ocause of far distanc					
SSIDP SAMPLE SUB-PROJECT PROFILE	Name : ALL	NUEVA VISCAYA	2. F/S, (3) D/D, 4. Co		Construction, O/M) :	a were constructed t	at present Because	1 of the existing facil		tion was conducted	ion was made based		ilities are being carn		79,120 is excessive	ne conscruction, i.e. a			***************************************	3%.	for paddy cultivation					ons, i.e. Allay and N	ut those in Nangcala		meeting of farmers t	mess to form a IA.				sact is anticipated.
S	8.0	Province : N	Present Status: 1. No Planning, 2.		Technical Assessment (F/S, D/D, Construction, O/M) :	The irrigation facilitie	on the construction are available at present. Because of deterioration of the originally poor	n entire rehabilitation	badly needed by the I.A.	575 : Planning for the rehabilitation was conducted in	2. D/D : Design for the rehabilitation was made based on 1/4,000 topo, map. A core-wall type	diversion weir was designed.	4. O/M : O&M of the existing facilities are being carried out at a satisfactory level.	5. Outstanding Issues:	Development cost per ha of P 79,120 is excessively high.	Increase two problems for the and eravels in the area.			Agro-Economic Assessment :	Target cropping intensity is 200%.	Soils and land slope is suitable for paddy cultivation.	Average farm size seems 2 ha.			Institutional Assessment:	two farmers associati	IA of 32 members b	associations are forming one IA.	ifficulty in holding a	The farmers express their eagemess to form a IA.			Environmental Assessment :	1. No negative environmental impact is anticipated.
P SAMPLE	E 02 13 138 U			. 1	SS		20.03	र्य	need	Plann		ion	%.	andur	velop	d eray	i 0		Conon	get cro	s and b	rage fa	٠.		tional A	re are	ady an	ciation	re is di	farme			ment	negati

CONCEPO	Nuch Par	1					Toward Bells	DELL	165	3	: Concrete/ Core-wall	10.00	264	5.53 	3.00	. 12%	0079	
			Hand was a second secon	To about the second sec				Principal Feature of Sub-Project:		Д	- Material			 Main Canals (km) Laterals/Sub-Laterals (km) 		 Main (Project) Drains (km) Secondary (Farm) Drains (km) Drains or Ditches (km) 		
General Layout:	OMPTOS 64				19 19 19 19 19 19 19 19 19 19 19 19 19 1	LEGEND:	O CALLY TRICTIVE TO SAREGARE	Sub-Project Background:	1. F/S	3. Construction : Unknown 2.	4. Past Rehab/Amprv. : Costs Spent for Sub-Project			Fund Required for Sub-Project (1,000 Pesos) :		1. New Const. : 2,700 (As of 1990) 7 2. Rehab Imprv. : (As of 19) 8 3. Expansion (As of 19) 9	RR of Sub-Project	
SSIDP SAMPLE SUB-PROJECT PROFILE FILE NO.: 5 Code: E 02 13 139 U	II Province : NUEV.	IA: Nos. of Members: Households	Technical Assessment (F/S, D/D, Construction, O/M): 1. General: The existing irrigation facilities were constructed by farmers based on their experience. No data on the construction of existing facilities are auxiliate. Because of the description of the	originally poor facilities, an entire rehabilitation of the existing facilities and construction of concerte weir are badly needed by farmers.	carried out once a month for 2 years, using a current meter. 3. D/O . Design for the rehabilitation was finished based on 1/4,000 topo. map. A core-wall type	ulversion were was designed. 4. O/M: The existing facilities hardly function and O & M of the facilities are at a poor level. 5. Outstanding Issues:	- Siltation in canals is very serious.	Agro-Economic Assessment :	1. Target cropping intensity is 200%. 2. Calle and land clone are suitable for and devenitioning		 Target paddy yield is 2.75 tons/ha and present yield is 2.25 tons/ha. EIRR of this sub-project is unknown. 		Institutional Assessment :	 An establishment of IA has not been made. According to the investigation, it is clarified that there are potential IA members and officials in the area. 	2. The farmers are willing to have their own IA and rehabilitated facilities.		Environmental A researchers	No negative environmental impact is anticipated.

				-	
SSIDP SAMPLE SUB-PROJECT PROFILE	9	General Layout :		:	: .
Code: E 02 13 063 P Name: CASAT-WACAL CIS				CASAT-WACAL CIS	
Region: II Province: NUEVA VISCAYA Municipality: BAYOMBONG-SOLANO	G-SOLANO				
Present Status: 1. No Planning, 2. F/S, (3)D/D, 4. Construction, 5. Rehab/Imprv., (6)O/M	-	100 100 100 100 100 100 100 100 100 100	38.2		
IA: CASAT.WACAL TANGAL BATU FARMERS IA Nos. of Members: I	Households	DO STATE OF COLUMN TO STATE OF	1	Ø	
Technical Assessment (F/S. D/D. Construction, O/M)			NAME OF THE PARTY	-	
1. General: The existing facilities were constructed by farmers based on their experience. No data	No data		of the same	XXX 000 000 000 000 000 000 000 000 000	
on the construction of existing facilities are available. Because of the deterioration of the existing	existing		WI THE THE PARTY OF THE PARTY O		
facilities, an entire rehabilitation of the facilities, construction of a concrete weir and drainage	nage	21347	LANT BILL BILL		
unprovement are required by the 1A. 2 FIS: Planning for the rehabilitation was made in 1990. Discharge messurement was done now a		1		DATE OF THE PARTY	
month for 1 year by using current meter. Soil survey and agro-economic survey were also done.	o done.		PARIN FOTCH	EX B THROUGH	,
3. D/D : Design for the rehabilitation was conducted based on 1/4,000 topo. map.	-		A Separation A Separation of the Asset of th		
4. OM : O&M of the existing facilities are relatively good. The existing facilities are poorly			STATUTE WALE CHARMAGE LEGEND.	ENO:	
functioning			TO TOTAL STATE OF THE STATE OF	PROMINAL/SUGGESTAL HOLD SPECK/CHEEK/INSTRUME	
5. Outstanding Issues:		To the second se	O CONTRACTOR OF THE PARTY OF TH	SOUR CARRELA ATTENDED	ě
 Almost half of the area is flooded at the peak time of wet season. Drainage improvement is very necessary. 	ant is very	The contract of the contract o	M. 04160	ACHEENTAL AVEA	
		The process	•	-	
F - 6]
Armin Assessment		Sub-Project Background :	Principal Feature of Sub-Project :	Plan	Actual
1. Teros conning intensity is 2009.		S/L	i. Net imgable Area	ć	;
2. Soils and land slope are suitable for paddy cultivation.			- Wel season (ha)	သွ ငွ	8 8
	<u> </u>	Construction	2. Diversion Weir	8	8
4. Shortage of manpower is a major constraint in farming. To solve this problem, some relatively		יישניי :		Concrete/	R
well-off farmers have introduced farm machinery.	<u></u> -	Costs Spent for Sub-Project		Core-wall	Wer
5. EIRR of this sub-project is unknown.	<u> </u>	(1,000 Peacs).	- Length (m)	30.00	! .
			- Height (m)	02.	
Institutional Assessment:		••	3. intake		15.F.m., at/
1. The IA seems very viable.		2. Past Rehab Imprv. :	- Design Discharge (Vs)	120	control of
2. The IA is ready to participate in the rehabilitation work in the form of labor and material supply.		Fund Required for Sub-Project	4. Main Canals (km)	2.08	
3. The IA needs not only rehabilitation of facilities but also improved farming practice.	<u> </u>	(1,000 Pesos) :	5. Laterals/Sub-Laterals (km)		
			6. Field Ditches (km)	1.44	ALC CARP
		1. New Const. : (As of 19)	7. Main (Project) Drains (km)	•	
		Rehab Imprv. : 3,600 (As of 1990)	 		
	<u>មា ប</u>	(As of 19)	0	4.57	
		Sub-Project	10. Access Road (km)		
Environmental Assessment		25 of 19 : %	11. Flood Protection Dike (km)	0.60	
Increase in employment opportunity and farm income is expected. No negative impact is anticipated.		Remarks:			

SSIDP SAMPLE SUB-PROJECT PROFILE	General Layout:			
13.0			***************************************	SPANCACEUS
Region: II Province: NUEVA VISCAYA Municipality: ARITAO Present Status: 1. No Planning, 2. F/S, 3. D/D, 4. Construction, 5. Rehab/Imprv., 6.00M	ANTICO CONTRACTOR CONT		12 m 200 m 2	
IA: SIMMAGUER FARMERS IA Nos. of Members: 92 Households		المناه	TOPPHICA CONTROL	
Technical Assessment (F/S, D/D, Construction, O/M): 1. F/S: Planning for irrigation development of this sub-project was undertaken in 1978. Discharge				<u>-</u>
measurement, soil survey and agro-economic survey were conducted. However, only the discharge measurement was done from 1981 to 1983 and in 1988. 2. D/D : Design for irrigation facilities was made in 1978 based on 1/4.000 topo, map. A type of				کر سر
weir was brush weir.	Control of the contro	# THE PERSON NAMED IN COLUMN 1	Control of the contro	ر ســـــ
3. Construction: The construction was carried out from 1979 to 1983. 4. OM: O&M of the existing facilities are relatively good, but the brush weir was washed away by				
noou in 1909. The reliabilities of existing facilities and construction of a core-wall type were are required by the IA.	<i>P</i>	The same of the sa	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·
	·		The state of the s	2
	B DC SCO MACTEA		The state of the s	
F - 7				
Agro-Economic Assessment:	Sub-Project Background :	<u>u -</u>	Principal Feature of Sub-Project :	Plan
plan and at the present is 400 ha and 123 ha, respectively.	1. F/S	8761	Wet season (ha)	: 400
2. Soils and land slope are suitable for paddy cultivation.	2. D/D	1978		: 150
4. Present paddy yield is 3.25 tons/ha for wet season and 4 tons/ha for dry season.	4. Past Rehab Amory.		. Diversion wear - Material	/dummer
5. EIRR of this sub-project is unknown.	Costs Spent for Sub-Project			· Core-wall type
	(1,000 Pesos) :		- Length (m)	60.00
Institutional Assessment:	1. Initial Const	2,446	Intake	3
1. The IA is viable.	2. Past Rehab Ampry.		- Design Discharge (i/s)	307.50
2. The IA is very eager to have their facilities rehabilitated.	Fund Required for Sub-Project		4. Main Canals (km)	: 15.00
3. Voluntary cooperation among IA members has been smoothly practiced.	(1,000 Pesos) :	<u>v</u>	5. Laterals/Sub-Laterals (km)	: 15.00
				3.00
	New Const. :			2.50
	2. Expansion : ((As of 19) 8. (As of 19) 9.	 Secondary (Farm) Drains (Km) Drainage Ditches (Km) 	: 250 : 200
	Project	Т		3.00
Environmental Assessment:	as of 19 : %			
No negative mountainest transfer and as anti-configuration	- 1-1-2 mm 6-1			

SSIDP SAMPLE SUB-PROJECT PROFILE FILENO.: 8	General Layout:	
Code: E 03 18 086 A Name: CAMIAS CIS		CAMINS CIS
Region: III Province: PAMPANGA Municipality: MAGALANG	LEGEND. LEGEND.	
Present Status: 1. No Planning, 2. F/S. 3. D/D, 4. Construction, 5. Rehab/Imprv., 600M	THE PERSON OF TH	The country of the co
IA: CAMIAS IA S8 Households	THE CONTRACTOR STREET	
Technical Assessment (F/S, D/D, Construction, O/M)	CONTRACTOR AND	
1. F/S: Discharge measurement was done once a month for one year by using current meter. Soil		
survey was conducted at a density of one per 30 ha. Planning was made on the basis of 1.50,000		and the same
		acces Silling
2. D/D: I welve drawings were prepared based on a 1.4,000 map. (Duration: 2 months, cost P 7,470)		San
of labor equity and material equity. (Duration: 7 months, cost: P 431,000,000)		Constant of There are
4. OM: In spite of short OM activities (about 12 months), IA has most of necessary plans		TOTAL COMMENT OF THE CO. AND T
specified in the manual and carries out O/M at a relatively satisfactory level. The facilities are		The state of the s
functioning. (O/M fee: Rice 25 kg/ha/year)	- western	STACHERO
5. Outstanding Issues:		0 100 300 KITZAS
- After completion of facilities, some farmers changed land use from paddy to sugar cane, and	TAL BASIC ONCO A TURN OUT	
rejected intigation. Therefore, the sub-project area decreased from 58 ha to 48 ha.	The state of the s	
Flood dike at downstream of intake was destroyed by the first flood after completion. Planning,		
design and quality control should be improved for rehabiliation of the flood dike.		
- Owing to shortage of water in dry season, urigation is partly made in dry season.	Sub-Project Background :	Principal Feature of Sub-Project : Plan Actual
Agro-Economic Assessment	1. F/S : 1988	1) : 58
1. Target cropping intensity was 186% and actual intensity was 152%.	2. D/D : 1988-89	. 50
2. Soils and land slope are suitable for paddy cultivation.	3. Construction : 1989	2. Diversion Weir
3. Average farm size is 1 ha.	4. Past Rehab Ampry.	- Material : Consrete/ Consrete/
4. Yield per ha is improved to 3 to 44.3 tons.	Costs Spent for Sub-Project	Checkgate Checkgate
	(1,000 Pesos) :	- Length (m) : 17.70 17.70
		- Height (m) : 1.00 1.00
Institutional Assessment	1. Initial Const. : 431	
	2. Past Rehab /Imprv. :	rge (1/s) : 120
already undergone leadership and financial management training. The training on system	Fund Required for Sub-Project	4. Main Canals (km) : 1.84 1.84
management is scheduled in 1991.	(1,000 Peses) :	5. Laterals/Sub-Laterals (km) : 0.71 0.71
2. There is a minor problem in irrigation fee collection. Some IA memberss reside outside the sub-		6. Field Ditches (km) : 4.10 4.10
project area and hence, are difficult to be reached by the fee collectors. In addition, some elected	1. New Const. : (As of 19)	7. Main (Project) Drains (km) :
officials of IA are no longer active and hence, may need further leadership and other relevant	2. Rehab / Imprv. : (As of 19)	8. Śccondary (Farm) Drains (km):
trainings	3. Expansion : (As of 19)	9. Drainage Ditches (km)
	EIRR of Sub-Project	10. Access Road (km)
Environmental Assessment:	as of 1988 : 31 %	11. Flood Protection Dike (km) : 0.20 0.20
Farm income, has increased owing to the provision of irrigation facilities. There is no negative	Remarks:	
environmental impact caused by the sub-project.		

	SSIDP SAMPLE SUB-PROJECT PROFILE FILENO: 9	General Layout:			
	Code: E 03 18 090 A Name: SAN AGUSTIN CIS		S	SAN AGESTIN CIS	Sig.
	Region: III Province: PAMPANGA Municipality: STA. ANA	A (2)		i.	
	Present Status: 1. No Planning, 2. F/S, 3. D/D, 4. Construction, 5. Rehab/Imprv., 6,0/M				
	IA: UPPER SAN AGUSTIN IA Nos. of Members: 55 Households	300,134 602	Brescher, Service Serv	ſ.	
	Technical Assessment (F/S, D/D, Construction, O/M) :		No.		
	1. F/S: Discharge measurement was done once a month for one year by using current meter. Soil survey		36	·/_	
	was conducted at a density of one per 30 ha. Planning was done on the basis of 1:4,000 map with				
	2. D/D: Topographic and canal route suveys were done, and five drawings were prepared based on a				
	1:4,000 map. (Duration: 2 months)			EGENO.	
	3. Construction: Construction was done under NIA force account base. IA participated in the cons-	8		0000	3
	ruction in the form of 1300ur equity and matchai equity. Supervision was cone mainly for quantity	The state of the s		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
:	CONDUC.			- CATERAL	
	4. U/M: In carries out U/M activities at a relatively satisfactory sever. But in should have cropping	/8		2476 073H 6H	
	Calculate as a passive plant of Civil. The admitted as a functional g.			O TOMOGRAPO	5 x
	- Imposhle area of 187 ha in wet season in F/S decreased to 78 ha after the construction of facilities	9904		DAMES HOUSES	.`.
F-					_
9	. Impable area of 70 ha in dry season in E/S can not be attained due to water chortage				
	water successor	Cut-Design Background	Drive of Sub Devisor	150	1
	- כסווכונת חווחול זי וכלחווכת ומן ע לשרו מן יוועדון כשועד ומלכבתר בנסצימוי.	controller parketomin	Net feedbly Area	1997	Deliga
		9/21		Ē	6
		•	- WCI SCHSON (IIX)	7 F	9 <
	ry was about 10176 but actual cropping mensity is 10076 due to water		Diversion Weigh	2	>
	Snortage in dry season. 2. Only and the delegan are suitable for an bituarion.			/#:maren	
	Solls and large are suitable to packy childrandin.		100000000000000000000000000000000000000		Chackenge
		(1 DOO Desce)	(4)	2 5	, VEGIC
			- Height (m)	2.10	
	Institutional Assessment :	1. Initial Const : 645	3. Intake	•	4-10-
	ars underwent training on basic leadership course and group dynamics while	2. Past Rehab //mprv. :	- Design Discharge (1/s)	216	216
	15 members participated in cost reconciliation training/workshops.	Fund Required for Sub-Project	4. Main Canals (km)	6.00	4.00
	2. The IA is a relatively viable organization. No major organization problem has arisen so far.	(1,000 Pesos) :	5. Laterals/Sub-Laterals (km)	3.41	3.41
			6. Field Ditches (km)	3.72	3.72
) 7. Main (Project) Drains (km)		
		.: .:	8		BORF R.
		3. Expansion : (As of 19	<u>86</u>		
		ab-Project	10. Access Road (km)		nutremunité
	Environmental Assessment :	as of 1988 : 22 %	11. Flood Protection Dike (km)	8	\$
	There is no negative environmental impact caused by the sub-project.	Remarks:			

	SSIDP SAMPLE SUB-PROJECT PROFILE FILENO: 10	General Layout:		·
Code:	E 03 18 084 A Name: GATIAWIN CIS		GATAWIN CIS	
Region	Region: III Province: PAMPANGA Municipality: ARAYAT	©]	Constitution of the State of th	•
Present	Present Status : 1. No Planning, 2. F/S. 3. D/D, 4. Construction, 5. Rehab/Imprv., 6,00M		a very second	
IA: C	IA: GATIAWIN IA 10 Households	The second of th	mm	
Techni	Technical Assessment (F/S, D/D, Construction, O/M) :		man de la company de la compan	
1. Gen	1. General: Imgation facilities were constructed in 1975 by NIA. In 1989, diversion weir (checkgate)		Finance of Parish and Parish Andrews	
able.	1900 proceeds the offiy were relacinated. 110 detailed that of	717775		
2 F/S:	F/S: Neither discharge measurement nor soil survey was done for the rehabilitation. River survey			
R 4.	Was duffer. Fairling was confidence easter on 1.7,000 map. (Congress 1.3 cm., Cost (1/3 cm.)). R 49,450)	eroy ly		
3.00	D/D: D/D was conducted in parallel with F/S. Four drawings were prepared. (Duration: 1 year)		· · · · · · · · · · · · · · · · · · ·	
چ. در ک	 construction: Renabilitation was conducted under NIA jorce account, out supervision was only quantity control and no quality control was made. (Duration: 1 month, Cost: P 78,000) 		PACE PACE, O	
S. OM	5. O.M.: 1A has 15 years experience of O.M. and no serious problem happened. The facilities are	and a second	and the second	
are C	are functioning.		to 200 to write	
5	o. Outstanding issues:			1
F -	- Integrate area of 40 ha in dry season in F/S is not attained due to water shortage.			
		Sub-Project Background:	th-Project: Plan	Actual

Agro-	Agro-Economic Assessment:	1. F/S 1988	S 4	ß.
ਜ਼ <u> </u>	larget cropping intensity was about 144% dut actual intensity is 102% cue to water shortage in	Constitution	Diversion Weir	-1
€ 3	Childrend land above are evitable for naddy on liverion			
3 - 3	3. Average farm size is about 2.1 ha. The largest is 5.5 ha and the smallest is 1 ha.	Costs Spent for Sub-Project	•	. 9
		(1,000 Pesos) :	- Length (m) 1.50 1.	150
			- Height (m) 4.00	4.08
Institu	Institutional Assessment : 1 December 18.2 activities one confined to be six ones each as water distribution and evelem mointenance	1. Initial Const. : 78	3. Intake	 §
; <u>ci</u>	The IA is a viable organization. There is no problem on leadership among members. IA members	-Project		350,0
- ST	are willing to provide tabor equity in case of major repair of irrigation facilities by NIA.	(1,000 Pesos) :	5. Laterals/Sub-Laterals (km)	
		:	6. Field Ditches (km)	
		2. Rehab / Imprv. : (As of 19) 8. Secondary (Farm) Drains (km) :	
	алы талышын Майдарын шаша — Мүүнүн танышын менендеректеректеректеректеректеректеректерек	RR of Sub-Project	0. Access Road (km) 65	65
Envir	Environmental Assessment :	as of 1988 : 34 %	ike (km)	
Fari	Farm income increased due to employment opportunity. There is no negative environmental impact.	Remarks: EIRR should be recalculate	EIRR should be recalculated since the cost increased from P 49,300 in F/S to P 78,000.	g g

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	[s]													Actual				Concrete/	Ogee type	- - - - - - - - - - - - - - - - - - -									
	TIGHAN CIS	AND SEALON SEEDS				SHI COST			ر ال	,,,,,	7			Plan	75	S	•	Concrete/	Ogee type	130		159	1	8.59					
	(COM SO AL) Granuss on	The second secon) ·		Principal Feature of Sub-Project:	Net firrigable Area - Wet season (ha)	- Dry season (ha)	Diversion Weir	- Material	- [Anoth (m)	- Height (m)	Intake	 Design Discharge (Vs) Main Canals (km) 	Laterals/Sub-Laterals (km)	Field Ditches (km)	Main (Project) Drains (km)	Secondary (Farm) Drains (km):	Access Road (km)		
	S Prime and Prime State of Sta					Chart was greened ones, w term waster or from the same and the same an	As of service founds to service services	TAY B o task in Can b - mg	South of the control	ANC!				Princ			: 1978 [2. 1			•		4	. <u>.</u>			(As of 1989) 8.	<u> </u>		-
General Layout:	• , .		America or) <u>F</u>	Operations with the Control	-(2	G NO POD 300 HUTERS	LEGEND:	A LANGE SALA	O CURTING STRUCTURE	O COSTONE BAN	STATE OF THE PARTY		Sub-Project Background:	1. F/S	0/0	Construction	Past Rehab-Ampry.	Costs Spent for Sub-Project (1 000 Desos)	, (2007, 2004)	 Initial Const. 	2. Past Rehab /Imprv. Fund Required for Sub-Pro	(1,000 Pesos) :		1. New Const. :	2. Rehab Imprv. : 3,500	FIRE of Sub-Project	as of 1989 : 13 %	Remarks:
FILE NO.: 11	ABORLAN	nprv., ©OM	s: 38 Households		inder MA-FSDC tie-up 1. The rehabilitation is	present.	oil survey was also carried	1080 Tomomphin) .		nencement of rehabili-					- 	- • -		vet and			į				- r.,.1			
T PROFILE	: TIGMAN CIS	4. Construction, 5. Rehab/Imprv., 600/	Nos. of Members:		ilities were constructed u famaged by flood in 1985	1978 are not available at 1989 haved on 1712,000 p	y using current meter. So	: 2 months)	d. (Duration: 4 months		oning and the early comm		se level is very high.			٠	tion.		yield is 3.75 tons/ha and			dopment is relatively new		adership of IA officials is	4 .				
SSIDP SAMPLE SUB-PROJECT PROFILE	DITA Name: TIC	ning, 2. F/S, (3) D/D, 4.		, D/D, Construction, O/M	General: Diversion weir and major irrigation facilities were constructed under NIA-FSDC tie-up in 1978. Main canal and related structures were damaged by flood in 1988. The rehabilitation is	planned. Data on F/S, design and construction in 1978 are not available at present. F/S Planning for the rehabilitation was made in 1989 based on 177,000 force, man. Discharge.	measurement was done once a month for 1 year by using current meter. Soil survey was	out for assessment of land capability. (Duration: 2 months)	canal route and parcellary surveys were conducted. (Duration: 4 months)		Existing irrigation facilities are not fully functioning and the early commencement of	auon is expected by its mess. Relocation of proposed syphon is considered.	Development cost of P 50,000/ha at a 1990 price level is very high.		טן :	ty is about 167%.	Soils and land slope are suitable for paddy cultivation.	ha.	Present paddy yreld is 3 tons/ha and target paddy yretd is 3.75 tons/ha and 4 tons/ha for v	.45.		approach in irrigation deve 978 However the LA has		The IA's ability of O&M is rated satisfactory. Leadership of IA officials is good and the IA seems					ntal impact is anticipated.
SSIDP SAMP	Code: E 04 31 017 A	13	IA : TIGMAN PLARIDEL IA	Technical Assessment (F/S, D/D, Construction, O/M) ::	 General: Diversion we in 1978. Main canal an 	planned. Data on F/S, c		out for assessment of land capability. (Duration : 2 months)	canal route and parcella	4. Outstanding Issues:	- Existing irrigation facilities ar	Relocation of propose	- Development cost of		Agro-Economic Assessment	1. Target cropping intensity is about 167%.			4. Present paddy yield is 3	ary seasons, respectively.	Institutional Assessment:	 Farmers' participatory approach in irrigation development is relatively new to the IA which was increased as party as 1978. However, the IA has understood it and agreed to provide conitivity. 	labor and materials.	2. The IA's ability of O&N			-	Environmental Assessment :	No negative environmental impact is anticipated.

	SSIDP SAMPLE SUB-PROJECT PROFILE E 04 31 015 A Name : BARAKE CIS : IV Province : PALAWAN Municipality : ABORLAN Status : I. No Planning, 2. F/S, 3. D/D, 4. Construction, 5. Rehab/Imprv., ©OM ARAKE IA Renament Ren	ation started in 1987 , design and cons- ation was conducted and route and river		ming practice, while	the past yield was 2.5 tons/ha before the completion of rehabilitation. Costs Spent for Sub-Project (1,000 Pesos): (1,000 Pesos): - Length (m): 1,000 Pesos): - Height (m): 1,000 Pesos): - Height (m): - Height (m): 1,000 Pesos): - Height (m): 1,000 Pesos): - Height (m): - Heigh	(1,000 Pesos) : 5. Laterals/Sub-Laterals (km) : 1.64 1. New Const. : (As of 19) 7. Main (Project) Drains (km) : 1.50 2. Rehab/Imprv. : (As of 19) 8. Secondary (Farm) Drains (km) : 3. Expansion : (As of 19) 9. Drainage Ditches (km) :	nyironmental Assessment : 78 Iliegal logging is observed in the watershed of the water source for this sub-project. Remarks :
--	--	--	--	----------------------	--	---	--

	The majority of the control of the c	Pian Actual	250	35.00 2.00	1,730	by completed design)	
		Principal Feature of Sub-Project:	Net Irrigable Area Wet season (ha) Dry season (ha) Dry season (ha) Meresion Weir	 E (2	ign Discharge (1/s) :: anals (km) : s/Sub-Laterals (km) ::	Main (Project) Drains (km) Secondary (Farm) Drains (km): Drainage Ditches (km) Access Road (km) I. Flood Protection Dike (km)	
General Layout:	TOTAL MAN AND THE STATE OF THE	Sub-Project Background :	1. F/S : 1987/1989 2. D/D :	*. rast Kenabulanpar. Costs Spent for Sub-Project (1,000 Pesos)	Initial Const. Past Rehab /Imprv. Fund Required for Sub-Project	1. New Const. : 8,750 (As of 1989) 8. 2. Rehab Jimprv. : (As of 19) 9. 3. Expansion : (As of 19) 10. ERR of Sub-Project	as of 1989 : 24 %
SSIDP SAMPLE SUB-PROJECT PROFILE FILENO: 13	Code: N 04 31 010 U Region: IV Province: PALAWAN Municipality: QUEZON Present Status: 1. No Planning, 2. F/S, (3) D/D, 4. Construction, 5. Rehab/Imprv., 6. O/M IA: MALIGAYAIA No. Planning, 2. F/S, (3) D/D, 4. Construction, 5. Rehab/Imprv., 6. O/M IA: MALIGAYAIA No. Construction, O/M): 1. General: F/S and design for this sub-project were already completed in 1987 but the area was was submerged by an extra ordinary flood in 1988. Re-design was required, considering the lessons of the flood. Under the re-design, re-alignment of canals and structures was done and re-survey was conducted. Design is being carried out. 2. F/S: Planning for his sub-project completed in 1987 was reviewed in 1989. Discharge measurement was done once a month for 1 year by using current meter. Soil survey and agro-economic survey were also carried out. 3. D/D: Re-design is being conducted. Weir site mapping, canal route survey, parcellary survey and soil profile survey were already finished. 4. Outstanding Issues: - Development cost is estimated at P 37,600/ha at a 1990 price level.			 Average latm size is 3.3 na. Target paddy yield is 4 tons/ha and 4.25 tons/ha for wet and dry seasons, respectively, while present yield is 2.25 tons/ha. 	Institutional Assessment: 1. The IA was organized in 1987 but no official registration has been made. 2. All the IA members are interested in this sub-project and right-of-way already granted by land	owners. Incy are involved in the preparation of pre-engineering activities and expresses their desire for NIA's training and regarding O&M of irrigation facilities. 3. The only institutional problem that may affect the implementation of this sub-project is the recurrence of insurgency problem.	Environmental Assessment :

	8			1		Actual	107	8	sonry	(No. 2) 8.63					-		
·	DESIGNATION OF THE STATE OF THE			LEGENO.		Plan	107	83	: Rubble Masonry	(No. 1) 18.00 2.00	3	No data	in a		4 #	% S	
	Entra Section 1	J 3		#Ulf	. :	roject :	••	••	••	••	1	(8)	(km)	; (km)	ains (km):		
						re of Sub-	et Imgable Area - Wet season (ha)	- Dry season (ha)	wer ial	(m) ti		ain Canals (km)	Laterals/Sub-Laterals (km)	Freid Ditches (km) Main (Project) Drains (km)	Secondary (Farm) Drains (km) Drainage Ditches (km)	Access Road (km) Service/Barangay Road (km)	
	13.61					Principal Feature of Sub-Project	Net Imgable Area - Wet season (h	Py se	Diversion were - Material	· Length (m)	Intake	Main Canals (km)	Laterals/S	Main (Project) Dra	Secondar Drainage		
						<u>Æ</u>	1385	Č	1989		1,564	4	<u>vi (</u>	(As of 19) 7.	(As of 19) 8. (As of 19) 9.	<u> </u>	
	24 1/4 24 1/4 24 1/4			•	with East		•	•••		ject	•••	Project		. ₹	₹ ₹ \$	17%	
out :	Cove vo.i		CONTRACTOR OF THE PROPERTY OF		8	Backgroun			ab.Amprv.	for Sub-Pro a) :	onst.	red for Sub-	: G	 .:	mprv.:	b-Project	
General Layout	a manage		<u>261</u>		i	Sub-Project Background	I. F/S	2. D/D	4. Past Rehab./Imprv.	Costs Spent for Sub-Project (1,000 Pesos):	1. Initial Const.	Fund Required for Sub-Project	(1,000 Pesos)	1. New Const.	2. Rehab Ampriv. 3. Expansion	EIRR of Sub-Project as of 1985	Remarks :
4	f	/ and	o, o		-				raising			This was					
FILE NO. :	OCAMPO	, soil surve	s account ba						r. id livestock								
	Municipality : OC	easurement design proc	r NIA force Lion of cans						r ury scasor g, fishing an			od financial					
OFILE	Municipality: uction, 5. Rehab/	Discharge m	1 1988 unde or rebabilita s I.A.					٠	y wonsyna 10 onut farminy	•		technical an		warehouse.			is expected
ECT PI	Name : PINIT CIS RINES SUR 3. D/D, 4. Construc	O/M): e in 1985. 1 11/4,000 to	in 1987 an ing but min ucted by th				are 187%.		ason and 4. s from coc	:		ery strong. sources for		ng its own ers.			arm income
JB-PRO.	26 A Name : PIN Province : CAMARINES SUR No Planning, 2. F/S, 3. D/D, 4. C	onstruction ict was mad ducted. 86 based ou	was started are function being conc		; ;		g intensities for paddy		e area como	ل ل	:	oersnip is v us funding	of the IA.	y trading us gand semin			unities and
IPLE SU	vince : CA	F/S, D/D, C is sub-proje y were con y sished in 15	onstruction ad facilities I. O&M are			ment :	ent cropping are suitable	1 ha	is 4.1 tons/n ncome in th	ry and duol		s and its ica apped vario	forcement	ged in padd onal training		nent .	nent opport
SSIDP SAMPLE SUB-PROJECT PROFILE	89	Technical Assessment (F/S, D/D, Construction, O/M): 1. F/S: Planning for this sub-project was made in 1985. Discharge measurement, soil survey and agro-economic survey were conducted. 2. D/D: Design was finished in 1986 based on 1/4,000 topo. map but design product are not available at the PiO.	3. Construction: The construction was started in 1987 and 1988 under NIA force account base. 4. OM: The constructed facilities are functioning but minor rehabilitation of canals and related structures is required. O&M are being conducted by the IA.			Agro-Economic Assessment:	Both target and present cropping intensities are 187%. Soils and land sloce are suitable for paddy cultivation.	Average farm size is 1 ha.	rresent paddy yleto is 4.1 constrai for wet season and 4.5 constrai for ur season. Supplemental farm income in the area comes from coconut farming, fishing and livestock raising	namely swine, poultry and duck.	Institutional Assessment:	 the LA is very viable and its leadership is very suche. The IA has afready tapped various funding sources for technical and financial assistance. 	attributed to the reinforcement of the IA.	The LA is now engaged in paddy trading using its own warchouse. The LA needs additional training and seminars.		Froimamental Assessment	increase in employment opportunities and farm income is expected.
SSI	Code: E 05 3 Region: V Present Status	chnical A F/S: Pla agro-coi D/D: De	Construct OM: The			gro-Econo	1. Both targ		4. Present p 5. Supplem	namely	stitutional	i. inciais 2. The IAh		 The IA is The IA in 		- inomer	Increase

	KAANINANGAN CIP					The state of the s	4)		 b-Project: Plan Actual	a) : 150 100	27	: Rubble Masonry	. 30.00	1.00		rals (km) : 3.40		ains (km) : Drains (km) :	(km) :		
						//			Principal Feature of Sub-Project 1. Net Irrigable Area	- Wet season (ha)	2. Diversion Weir	- Material	- Length (m)	- Height (m)	- Design Discharge (Vs)		6. Field Ditches (km)	7. Main (Project) Drains (km) 8. Secondary (Farm) Drains (km)	9. Drainage Ditches (km) 10. Access Road (km)	: 	
Genoral Layout ;		mo example consonium				₩	0 000 000 MITTER		Sub-Project Background:	1. F/S	3. Construction : 1970s	Past Rehab Ampry.	Costs Spent for Sub-Project	(1,000 Pesos) :	1. Initial Const	Fund Required for Sub-Project	(1,000 Pesos) :	1. New Const : (As of 19)	3,966	EIRR of Sub-Project as of 1989 : 66%	Remarks :
SSIDP SAMPLE SUB-PROJECT PROFILE	Code: E 05 33 117 A Name: KAANUNANGAN CIS Region: V Province: CAMARINES SUR Municipality: PILI	Present Status: 1. No Planning. (2)F/S, 3. D/D. 4. Construction, 5. Rehab/Imprv., (6)O/M IA: KAANUNANGAN IA A9: Households	Technical Assessment (F/S, D/D, Construction, O/M) : 1. General : Imgation facilities were constructed by farmers in 1970s. No data on design and	construction are available at present. 2. F/S : Planning for the rehabilitation was made in 1989 aiming to development of 150 ha. Discharge measurement was done and the discharge in dry season was determined at 295 liveec. Soil survey	and agro-economic survey were also conducted. 3. D/D : Design for the rehabilitation has not started yet.	4. Outstanding issues : - The existing facilities are operational but are not functioning well due to deterioration. There-	fore, the entire rehabilitation is needed by the IA. Raising of the existing weir by 1 m should be considered in the design to fully irrigate	an entire area. Development cost per ha at a 1990 price level is P 28,400 which is relatively high.		Agro-Economic Assessment :				5. EIRR of this sub-project of 66% has to be examined.	Institutional Assessment:	2. The IA agreed to comply with NIA's requirements for the implementation.				Environmental Assessment :	Increase in employment opportunities and farm income is expected.

-					
	E 05 33 034 A			GATBO CIS	38
	Region : V Province : CAMARINES SUR Municipality : OCAMPO Present Status : 1. No Planning. 2. F/S. 3. D/D. 4. Construction 5. Rehabitumes. (C.O.A.)	To the minute of the control of the		l	
	IA: MAY ACASIA IA Nos. of Members: 93 Households				
	Technical Assessment (F/S, D/D, Construction, O/M) :				
	1. General: Two diversion weirs and irrigation canals were constructed in 1982. In 1989, rehabilitation of canals was done. However, the IA still needs immediate rehabilitation of canals and	Marie Control of the			
	canal structures and construction of additional diversion weir because of deterioration of facilities		J.		~ <i>}</i>
	and serious seepage from canals.	The state of the s	Ť		- 5 - 5 - 6
	were also conducted.	ACTRECANT LAS, D. D. L.	`} }		
	3. D/D : Design was made in 1982 but design drawings are not available at present.	· (C EURYNA STRUCTUR	
	4. Construction: The construction was finished in 1982 under NIA force account base.	: 		PROFUNED STRUCTS	¥
٠	5. O/M : The facilities are operational but are not functioning well. O&M are carried out by the IA.			THE LIMIT OF BREALES.	
	6. Outskanding Issues ::	220 cos cos o		M. New Control	1
	- Although there are two diversion weirs, the third weir is required at the downstream in order to		: .	STATE HASH TERROUTER	ŝ
ľ	supplement water in dry season.				
- 1	! 				
	although the rehabilitation was done in 1989.	Sub-Project Background :	Principal Feature of Sub-Project	ct : Plan	Actua
			1. Net Irrigable Area		
	Agro-Economic Assessment:	1. F/S : 1982 2. F/S :	- Wet season (ha)	150	150
	1. Dour angot and product cropping manipulation of 70.			8	8
		5. Construction : 1982	2. Diversion Wear	6	
	ns/ha	rest Nellabolishipty.	- Makhai	Kubbie Masonry	onry
	EIRR of this sub-project is unknown.	(1.00) Prays	. I south (m)	(NO. 1)	(80. 2)
		. (222 - 222)	- Height (m)	0.50	1.50
	dinuonal Assessment:		3. Intake		
		2. Past Rehab Ampry. :	- Design Discharge (1/s)		150
		Fund Required for Sub-Project	4. Main Canals (km)	. 6.40	6.40
	bion from payment of loan amortization under NIA Memorandum Circular No. 4,	(1,000 Pesos) :	5. Laterals/Sub-Laterals (km)	5 : 0.63	0.63
	Senes of 1986.			••	
		•••			
		2. Rehab / Imprv. : (As of 19)		(km):	
		FIRE of Sub-Project	19. Drainage Ditches (km)		
	Environmental Assessment:	as of 19		•	
	Colden snail infestation is observed,	Remarks :			

			•
SOUP SAIMFLE SUB-FRUJECT FRUFILE FILENO: 17	General Layout : No general layout has been prepared	s been prepared.	
Code: E 05 33 085 P Name: CURRY CAROMAS CIS			
Region: V Province: CAMARINES SUR Municipality: PILI			₹',
Present Status: 1. No Planning, (2) F/S, 3. D/D, 4. Construction, 5. Rehab/Imprv., (6) O/M			
IA: CAROMAS IA Households			
Technical Assessment (F/S, D/D, Construction, O/M) :			
1. General: This sub-project is a dole-out one constructed in 1970s. No data on F/S design and			
construction are available at present. The deteriorated facilities are not functioning,			
1. F/3. : Userlarge measurement was conducted by using current meter in 1990, but detailed F/S has not yet started.	·		
3. Outstanding Issues:	•		
- A diversion weir site will have to be shifted to the upstream of the existing damaged dam by			
ADOUT 20 - 30 to take at means when level.			
			-
	Sub-Project Background:	Principal Feature of Sub-Project :	Plan Actual
Agro-Economic Assessment		1. Net irrigable Arca	į
1. Target cropping intensity is 170%.	1. F/S	- Wet season (ha)	500
2. Sous and land stope are suitable for paddy cultivation.	••	- Dry season (na)	ncr :
5. Average larm size scems 1.7 na.	5. Constitution : 1970s		
4. In the past, average paddy yield was 4 ions/ha for wet season and 3 ions/ha for dry season.	4. Fast Kenao Jimpry.		: Kubbie Masonry
Average yield is expected to increase to 4.5 tons/ha after the rehabilitation of irrigation	Costs Spent for Sub-Project	- Longth (m)	: 10.00
iacintres	(1,000 Pesos) :	- Height (m)	000
Institutional Assessment :	1. Initial Const.	- Design Discharge (Vs)	: Unknown
1. The IA was already established but it is not so strong organization since the unigation facilities	2. Past Rehab Imprv.	4. Main Canals (km)	. 7.00
are not functioning. Definite number of the IA is unknown.	Fund Required for Sub-Project	5. Laterals/Sub-Laterals (km)	3.00
2. The IA has not undergone the basic training on system and financial management.	(1,000 Pesos) :	6. Field Ditches (km)	5.00
3. 1DO (Imigation Development Officer) was assigned by PIO to activate the IA.		7. Main (Project) Drains (km)	
	1. New Const (As of 19) 8.		
	2,000 (As of 1990		
	3. Expansion : (As of 19)	10. Access Road (km)	
	Sub-Project		
Environmental Assessment:	28 of 19 : % :		
livrease in farm involue is expected. No negative impact is anticipated.	Remarks :		

	Actual 28 19 Concrete/ Ogee type	15.50	
BACTORN OF STATE OF S	Sub-Project: Plan rea (ha) : 310 (ha) : 155 : Concrete/	- Length (m) : 15.50 - Height (m) : 1.20 3. Intake - Design Discharge (J/s) : Unknown 4. Main Canals (km) : 5.00 5. Laterals/Sub-Laterals (km) : 6. Field Ditches (km) : 7. Main (Project) Drains (km) :	8. Secondary (Farm) Drains (km): 9. Drainage Ditches (km) : 10. Access Road (km) : 0.30
Centeral Layout :	1. F/S : 1975 2. D/D : 1975 3. Construction : 1976 4. Past Rehab/Imprv : 1976 Costs Spent for Sub-Project	; : : Sub-Project : (As of 19)	2. Rehab Jimprv. : 3,740 (As of 1989) 8. 3. Expansion : (As of 19) 9. EIRR of Sub-Project as of 1989 Remarks :
SSIDP SAMPLE SUB-PROJECT PROFILE Code: E 66 41 006 A Name : BAYUNAN CIS Region : VI Province :: ILOILO Municipality : SAN JOAQUIN Present Status : I. No Planning 2. F/S, (3)D/D, 4. Construction, 5. Rehab/Imprv., (6)OM IA : BAYUNAN VALLEY CIS Nos. of Members : 76 Households Technical Assessment (F/S, D/D, Construction, OM) : I. General : This sub-project was constructed in 1976. Data on F/S, design and construction are not not available at present. There are three intakes in the system i.e., No. I intake without weir and No. 2 and No. 3 intakes with 1.2 m - high weirs. However, all the intakes are not functioning well because of institutional problem, deterioration of weirs and heavy sedimentation. Therefore, an improvement of these facilities is required. 2. F/S : Planning was made based on 1/4,000 map. Discharge measurement was done monthly for 2 years and the discharge in dry season was about '93 livisee. Soil survey was also conducted. 3. D/D : Canal route and topo. survey for intake site were finished in February 1990. Design is being conducted and is scheduled to be completed in October 1990.	ro-Economic Assessment: Target cropping intensity is 150%. Soils and land slope are suitable for paddy cultivation. Average farm size seems 1.5 to 2 ha. Target yield is 3.9 tons/ha for wet season paddy and 3.7 tons/ha for dry season paddy. Present rainfed paddy yield is 2.5 tons/ha.	Institutional Assessment: 1. Imgation fee collection efficiency for present imgated land in dry season is 100%. 2. The IA has become inactive as three intakes have deteriorated. 3. Activation of the IA is an important problem to be solved.	rironmental Assessment : No negative environmental impact induced by the sub-project is anticipated.
SSIDP SAMPLE SUB-PROJECT Code: E 06 41 006 A Name : BAYI Region : VI Province :: ILOILO Present Status : I. No Planning. 2. F/S. (3)D/D, 4. Con 1A : BAYUNAN VALLEY CIS Technical Assessment (F/S, D/D, Construction, O/M) : 1. General : This sub-project was constructed in 1976. not available at present. There are three intakes in th No. 2 and No. 3 intakes with 1.2 m - high weirs. Hov because of institutional problem, deterioration of wei improvement of these facilities is required. 2. F/S : Planning was made based on 1/4,000 map. Dis 2 years and the discharge in dry season was about 93 3. D/D : Canal route and topo. survey for intake site we conducted and is scheduled to be completed in Octob	Agro-Economic Assessment: 1. Target cropping intensity is 150%. 2. Soils and land slope are suitable for paddy cultivation. 3. Average farm size seems 1.5 to 2 ha. 4. Target yield is 3.9 tons/ha for wet season paddy and 3.7 rainfed paddy yield is 2.5 tons/ha.	Institutional Assessment: Lungation fee collection efficiency for present irrigated lar The IA has become inactive as three intakes have deterior Activation of the IA is an important problem to be solved	Environmental Assessment : No negative environmental in

	General Layout:		•
Code: N 06 41 005 U Name: BAIRAN CIP	1		BAIRAN CIP
Region: VI Province: ILOILO Municipality: AJUY			
Present Status: 1. No Planning. (2)F/S, 3. D/D, 4. Construction, 5. Rehab/Imprv., 6. O/M		TOTAL OF	
IA: Households		The section reason	
Technical Assessment (F/S, D/D, Construction, O/M) :			
1. F/5 : Franting was made cased on 17.00,000 map in 1705; Lischarge measurement was monanty conducted for 2 years by using current meter. Soil survey was also conducted.			<u></u>
2. D/D.: Topographic survey was carried out in 1990 and 1/4,000 topo, map with 25 cm contour interval was prepared. Design is scheduled to be conducted in 1991.	•		
3. Outstanding Issues:	₹		K
Development cost is P 39,380/ha at a 1990 price level.))		° •
	0 100 200 PEG MCTTES	Section 1	
		דס גנפונס מדיר באמדי שאמדי שאמדים	
F			
19			i
Agro-Economic Assessment :	Sub-rroject background :	Fincipal reature of Sub-Project: 1. Net lirigable Area	Lan Lan
200%.	6861 :		2
Soils and land slope are suitable for paddy cultivation.		- Dry season (ha)	Z
<u>~</u>	Construction : 2.	Ä	
4. Target yield is 3.3 tons/ha for wet season paddy and 3.5 tons/ha for dry season paddy.	Past Rehab Imprv.	- Material	Concrete/
COSES O	Costs Spent for Sub-Project	,	Ogee type
000(1)	(1,000 Pesos) :	- Length (m) - Height (m)	20.00
Insulational Assessment:	1. Initial Const. :	Ë	
they are willing to establish the IA and	Past Rehab Jimprv. :	- Design Discharge (I/s)	8
to participate in the construction in a form of labor equity.	Fund Required for Sub-Project	4. Main Canals (km)	3.50
000(1)	(1,000 Pesos) :	5. Laterals/Sub-Laterals (km) :	1.50
			1
1. New	: 2,200 (As of 1989)		0.80
2. Refr.	rv. : (As of 19)	8. Secondary (Farm) Drains (km):	1
3) CAN	T	2. Dramage Diones (Kin)	1 5
Environmental Assessment :	. 17%		3.
Increase in employment opportunities and farmers' income are expected, and no negative environ-	urks :		

SSIDP SA	SSIDP SAMPLE SUB-PROJECT PROFILE	O.: . 20 General Layout :	, it :		
Code: E 06 41 045 A	S A Name : TANDUYAN CIS				TANOUNDA CIS
Region: VI	Province : ILOILO Municipality : AJUY		PARTY OF TAXABLE STREET		
Present Status : 1. N	Present Status: 1. No Planning, 2. F/S, 3. D/D, (4) Construction, 5. Rehab/Imprv., 6. O/M	/W			
IA: TANDUYAN IA	IA Nos. of Members: 30	Households			191
Technical Assessment. F/S: Planning wa	Technical Assessment (F/S, D/D, Construction, O/M): 1. F/S: Planning was made based on 1/50,000 map in 1988. Discharge measurement was done once	as done once			PROBLEGE CITTEREON
a month for 1 year Soil survey over 1 2. D/D : Design wa	a month for 1 year by using current meter and the discharge in dry season was about 1.50 illusee. Soil survey over the area and auger boring at weir site were also conducted. (Duration : 1 year) 2. D/D : Design was made based on 1/4,000 topo. map and 14 drawings were prepared in 1989.	ar ir			
(Duration: 5 months)	(Duration : 5 months) 3. Construction : The construction is being carried out under NIA force account base. The IA parti-	he IA parti-) *	Avo a cano
cipated in the con accordance with I	cipated in the construction work under Pacquiao contract, and quality control is carried out in accordance with NIA's specifications.	fout in	00. 300 MCTUR	are notation to view in manage (•
		LEGENO:	HO. STOKEN PARAMERY PORO		
			MANA, STRUCTURES. WOY ENGLIK		
		}	MT OF PRINCIPLE ANTA		•
		Sub-Project Background		Principal Feature of Sub-Project:	Plan Actual
Agro-Economic Assessment 1. Target cropoing intensity	Torect cropping intensity is 186%.	. F/S	1988 :	Ivet unigabile Auca - Wet season (ha) :	8
2. Soils and land slo	2. Soils and land slope are suitable for paddy cultivation.		1989	1	69
 Average farm size is 2 ha. Target wield is 3.3 tons/ha 	 Average farm size is 2 ha. Tavor upild is 3.3 tone/ha for wel season raddy and 3.4 tone/ha for dry season raddy. 	3. Construction 4. Past Rehab / Impro-	: On-going	2. Diversion Weir Material	Concrete
			Costs Spent for Sub-Project		Ogee type
		(1,000 Pesos) :		- Length (m)	11.70
Institutional Assessment :	ien!	1. Initial Const.		3. Intake	
1. The IA was estab	1. The IA was established in 1989 and is participating in the construction work to render equity.		-		120
2. Regular cost reco	Regular cost reconciliation is smoothly conducted between NIA and IA.	Fund Required	lor Sub-Project	4. Main Canais (km)	87 S
Water pennit is being acquired by Taylor of the TA are very active.	5. Water permit is being acquired by i.e.	(*BS31,000'T)		5. Laterals/Sub-Laterals (Am) 6. Field Ditches (km)	00.1
TO STORY .		1. New Const.	: 1,500 (As of 1989)		i :
			 <u>?</u>		ì
		Expansion	(As of 19)	 Dramage Ditches (km) Access Post (km) 	1.6
Environmental Assessment:	ssment :	as of 1988	. 16%		
There have been	There have been an increase in employment opportunities and farmers' income has increased owing	preased owing Remarks :			
to such opportunities.	l'acs.	-			

SSIDP SAMPLE SUB-PROJECT PROFILE FILENO.: 21	General Layout:		
Code: E 07 44 007 A Name: ARGAO CIS Region: VII Province: CEBU Municipality: ARGAO	LEGENO: COMMUNICATION OF THE PARTY OF THE PA		ARCAO CIS
b/In		to mye.	
ARGAO IA Nos. of Members : 85 Households			
Technical Assessment (F/S, D/D, Construction, O/M): 1. F/S: Discharge measurement was made by using current meter and land capability was assessed on the basis of soil test. (Duration: 1 year) 2. D/D: Design was made on a 1-1 000 tong man and 17 designs were assessed by 0.0.			#2.C.2+100=
(Duration: 2 months). Construction: Construction was carried out under NIA force account base in 1981. All the canals			
4. Rehab Amprov. : The diversion dam was damaged at the downstream apron and side walls. The			
canais nau nign seepage rate and tannaged by staxing due to soul characteristics. The weir and canals are being improved under CARP fund. The progress rate is 90% as of October 1990 and the			
compressors as seried within 1990. (Duration : 1 year) 5. Outstanding Issues :			
The soils in the area are characterized by high seepage rate and staking. Therefore, canals have no be lined	TO COLLEGE TE	Marine Marine	TO MANATAUM BENDE
In order to overcome slight water shortage in the dry season, rotational irrigation is conducted!		2	
by IA.	Sub-Project Background:	1.5	Plan Actus
Agro-Economic Assessment: Proposed cropoing intensity was 200% and actual intensity is also 200%	1. F/S : 1979	Wet season (ha)	110 100
Soils and land slope are suitable for paddy cultivation.	truction	2. Diversion Weir	
Average farm size is about 1.3 ha.	4. Past Rehab Ampry. : 1990	- Material	Concrete/ Concrete/
Target paddy yield per ha was 4.3 tons ha for wet season and 4.0 tons ha for dry season, while	Costs Spent for Sub-Project	:	8.
actial yield is 5.5. (Offs) file.			1.30 1.30 25.60 25.60
Institutional Assessment :	1. Initial Const. : 2,100	3. Intake - Decien Discharme (16)	100
1. Irrigation fee collection efficiency is 75% at present.	-Project	A Main Canals (km)	
2. The IA seems very viable and there is no serious problem on IA.	(1,000 Pesos) :		
		6. Field Ditches (km)	
•	New Const.		0.03
	2. Rehab./Imprv. : (As of 19)	8. Secondary (Farm) Drains (km):	
	RR of Sub-Project	_	
Environmental Assessment:	as of 1979 : 22%		
Gravels and sands are taken by a private agency in the upstream and downstream of the diversion		This sub-project is being improved under CARP Fund.	

	LATAN-OCANA CIS	O CONTRACTOR O														Assessed on Day		Principal Feature of Sub-Project: Plan Actual		- Wet season (ha) : 145 65	3		Concrete	Ogee type O	- Lengun (m) : 20.00 20.00		- Design Discharge (Vs) : 280 217	4,19		: 2.26	ins (km) : 1.72	; (ES	Orainage Ditches (km)	Access Road (km)		nder CIDP I in 1989.
General Layout:	•	The state of the s					Tan de la constante de la cons				l	(A)		MALIM OCH ON O				Sub-Project Background: Princi		1. F/S 1982 7. D/D	C LOCAL . Coltain	1080		Costs apent for ado-rioject	(1,000 resus)	I Initial Const	Imprv. : 1,969	b-Project 4.	53	<u>u</u> , <u>v</u>		v. : (As of 19) 8.	(As of 19) 9.	ub-Project 10.	as of 1988	Remarks: This sub-project was improved under CIDP I in 1989.
FILE NO. : 22	Name : LAGANG-OCANA CIS	Municipality: CARCAR	3. D/D, 4. Construction, 5. Rehab/Imprv., 600M	Nos. of Members : 237 Households	sction, OM) :	1. F/S : Discharge measurement was done by using current meter and land capability was assessed	year)	2. D/D : Design was made on a 1:1,000 topo, map and 28 drawings were prepared by RIO.	(Dutation : 1 year) Construction : Construction was carried out under NIA force account base in 1984/84. The diser-	ns well. (Duration: 1 year)	4. Improvement: Main canal was unlined and the secpage rate was found very high. A part of the	144		OM: OM is being carried out at a satisfactory level by IA. OM staff of IA consists of one gate		6. Outstanding Issues: The soils in the area are characterized by high seepage rate and slaking.	S.		\$ XX C	Larget cropping intensity was 143% but actual intensity is 200% almougn an urigation area.	iniable for raddy cultivation								3. Farmers have not sufficient fund to convert corn fields to paddy field, and the number of draft	e convertion.						
SSIDP SAMPLE SUB-PROJECT PROFILE	Code: E 07 44 002 A	Region: VII Province: CEBU	Present Status: 1. No Planning, 2. F/S, 3. D/D,	IA: CARCARIA	Technical Assessment (F/S, D/D, Construction, O/M) :	. F/S : Discharge measurement was don	on the basis of soil test. (Duration: 1 year)	2. D/D : Design was made on a 1:1,000 t	(Duranton : 1 year)	sion weir is little damaged and functions well. (Duration : 1 year)	f. Improvement: Main canal was unline	canal was relocated and some sections	(Duration: 1 year)	5. O/M : O/M is being carried out at a sa	keeper and three water tenders.	6. Outstanding Issues: The soils in the a	Therefore, lined canal is very necessary.			 Larget cropping intensity was 143% of decreases from 145 hs to 65 hs 	2 Soils and land slone are moderately suitable for naddy outlivation		A December in cated confer vield is 1 % type/ho			Institutional Assessment:	1. Irrigation fee collection efficiency is 95%.	2. The IA is viable.	3. Farmers have not sufficient fund to con	animal and tractors is very short for the convertion.					Environmental Assessment:	No negative environmental impact caused by this sub-project is anticipated.

	***	- O - No to a									LT-ros					······	Actual				******	Concrete/	Ogee type	33.75	2.50		200	0.71	5.60		4.10		200		
.·	DUMANUE CIS	ECEND				D - Interess and it are a sace	0	() -		(a) -	(B) processor or consequences	<u> </u>	O		ar.		Plan		300	: 190			8,	: 33.75	2.50	į		26:1	5.00		0): 2.00		5/10 :		
		3		(a)									* }	' ⊙			Principal Feature of Sub-Project:	. Net Irrigable Area	- Wet season (ha)		Ö	- Material		- Length (m)		<u>.</u>	- Design Discharge (us)			-		9. Dramage Disches (Km)			istructed under CIDP I.
-	The complete of the control of the c		くなま		では一般に対する							(a) June 1997 (1991)	.1.1						: 1983		: 1987-90 2.	יאזקר.	ub-Project	-	_	: 17,950 [3.		**************************************	<u>, 0</u>	: (As of 19) 7.	: (As of 19)	(AS OI 19		: 27%	This sub-project is being constructed under CIDP I.
General Layout								· .	(a)					(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c			Sub-Project Background			2. D/D	3. Construction	4. Past Rehab /Imprv.	Costs Spent for Sub-Project	(1,000 Pesos) :		11. Initial Const.	Eund Dequired for Cub Decision	(1 000 Pesos)	. (2)	1. New Const.	2. Rehab Ampry.	ETDD of Sub Decision	יייי איייי		Remarks:
SOLD SAMELE SOLFT NOJECT INCILLE	Code: E 07 44 013 A Name: DUMANJUG CIS	Region: VII Province: CEBU Municipality: DUMANIUG	Present Status: 1. No Planning, 2. F/S, 3. D/D. (Construction, 5. Rehab/Imprv., 6. OM	IA: DUMANJUG IA Households		1. General Assessment (775) 272, Construction, Critical Construction (727) is cocount field to paddy field and recla-	mation of 68 ha virgin land.	2. F/S: The initial F/S was undertaken as SWIM project and later, F/S was re-made as CIS by		5. Liu : Lesign was made on a 1.1,000 topo. map for caversion and 1.4,000 topo. map for imgauon canais and structures. 30 drawings were prepared. (Duration : 6 months)	he construct	hard due to topography of the main canal route and a 12.5 km length of the main canal. The progress is about 95% as of Optober 1990. The completion is scheduled in the end of 1990.	(Duration: About 3 years)	5. Outstanding Issues: - Main canal will be 12.50 km in its full length and 6.7 km of the canal needs concrete-lining		- Major crops in the area are coms and coconut. When the area is used as paddy field, land levelling		- Development cost is about P 60,000/ha.		Personal behavior and the contract of the cont	Agro-Economic Assessment	1. Target cropping intensity is about 160%.		3. Average farm size is 1.6 ha.	4. Target paddy yield is 4.3 tons/ha for wet season and 4.0 tons/ha for dry season.		Sanitarian Andrewall	institutional masters in the construction	2. Since paddy cultivation seems very new to some farmers, technical guidance on nee cultivation by	agricultural extension workers will be very necessary.				Environmental Assessment:	No negative environmental impact induced by the sub-project is anticipated.

SSIDE SAMPLE SUB-PROJECT PROFILE	FILE NO.: 24	General Layout:			
Code: E 08 51 110 A Name: MACANIP CIS			,		MACANIP CIS
	JARO .				g g
o Planning. 2. F/S, 3. D/D, 4. Construc	ргv., 6.)О/М				K
IA: MACANIPIA	: 65 Households	€			
Technical Assessment (F/S, D/D, Construction, O/M):				The State of the S	Moon ave of
 General: This sub-project was constructed in 1974 under NIA-FSDC (Farm System Development Composition) tic-up. The existing intake was totally damaged by 1986 flood. At present on improve. 	System Development		\		7
ment of intake with terruvian weir, main canal and other facilities are being carried out under NIA	carried out under NIA	CONTRACTOR	Second Second		
force account base. 2. F/S: Planning for the improvement was made based on 1/50,000 map with 20 m concrete interval.	om concrete interval	The state of the s		The state of the s	
Discharge measurement was done using current meter and the discharge in dry season was estimated	ry season was estimated	Action Control Control			
at 0.3 m3/sec. (Duration: 1 month)		1	A. S. C.	\	
3. D/D : Design for the improvement was made based on 1/4,000 maps with 1 m contour interval	m contour interval.	The state of the s			LESCAN,
(Duration : I year)					THE CHART
 Construction: A terruvian werr and main canal are being improved and is scheduled to be completed	heduled to be completed	The state of the s	اه	200 400 HETERS	Andreas were
Within 1990.		1771	TANGE		O structuse
	a will be a problem				
- New intake was shifted about 800 m upstream from the existing intake.	and oca program.				
- Lined canal or pipes are necessary for the sub-project in order to prevent serious seepages.	enous scepages.	Sub-Project Background:	Princ	Principal Feature of Sub-Project	Plan Actual
- Access to the area is hard.			<u> </u>	Net Irrigable Area	
			early 1970s	- Wet season (ha)	
		cya .	 ගි	- Dry season (ha)	160 · 60
A Consequent A consequence .		•• :-	<u>ત</u>	Diversion Weir	
Bio-Economic Assessment :	-	٠.	Cn-soung	- Maleriai	: Concrete/
 Doin present and unget cropping microsures are 200%. Coile and land clone are emitable for paddly cultivation. 		Costs Spent for Suo-Project		,	Terruvian type
	-	. (5050 1000(1))		- Leugui (ill) - Height (m)	2
	sted paddy and 1.5	I Initial Const		The fee	:
		2. Past Rebab //morv		- Design Discharge (1(s)	740
	-	Fund Required for Sub-Project	<u> </u>	Main Canals (km)	05 :
		(1,000 Pesos) ;		Laterals/Sub-Laterals (km)	80:
Institutional Assessment:				Field Ditches (km)	1.00
1. In 1974 the IA was formed, but since the intake was destroyed by flood and the irrigation system	the irrigation system	1. New Const. : (As	(As of 19) 7. 1	Main (Project) Drains (km)	1.00
did not function, the IA dissolved.		· · · · · · · · · · · · · · · · · · ·	8	Secondary (Farm) Drains (km)	
			<u>6</u>	Drainage Ditches (km)	
		Project	<u> </u>	Access Road (km)	1.00
Environmental Assessment:		as of 1989 : 35%		•	
Schistosomiasis is prevalent.		Remarks :			

SSIDP SAMPLE SUB-PROJECT PROFILE	: 25 General Layout :		:
Code: N 08 51 009 U Name : MARAGUNDONG CIP			MARAGINDONG CIP
Region: VIII Province: NORTHERN LEYTE Municipality: DAGAMI			and the same of th
Present Status: 1. No Planning, 2. F/S, (3) D/D. 4. Construction, 5. Rehab/Imprv., 6. O/M			C
IA: MARAGUNDONG 1A Nos. of Members: 50	Households		R
Technical Assessment (F/S, D/D, Construction, O/M): 1. General: F/S for a net urigable area of 80 ha was finished in 1990. After the planning, an expansion of irrigable area from 80 ha to 400 ha has been proposed. However, F/S for 400 ha has not been con-	expansion of been con-		
oucical yet. 2. F/S : Planning was made on 1/50,000 map with 20 m contour interval. Discharge measurement was made using current meter and the river discharge in dry season was estimatedd at 1.9 m3/sec.	ement milsec.	Topics 10 month	PORCACON
soil survey was done and 15 soil samples were analyzed.			
3. D/D : Design for this sub-project is being conducted and only the diversion weir has been finished. The intake has been designed so as to take water necessary for irrigation of 400 ha. In addition, the weir site has been shifted about 2 km upstream from the site proposed in F/S.	O CO	LEGENO	SND: myon commons meet comm
		o • M	Orthodough Finalised Albooksal
Agro-Economic Assessment:	Sub-Project Background:	Principal Feature of Sub-Project :	Plan Actual
1. Target cropping intensity is 200%.			ΩΩ
2. Soils and land slope are suitable for paddy cultivation.	1. F/S : 1990	- Wet season (ha)	80 400
 Average latin size is 1.0 its. Present main crons in the area are naddy comissivest potatoes and peanuts. Under the project. 	·i e	- Dry season (na)	00
a double cropping of paddy is planned. Target paddy yield is 3.2 tons/ha.	<u>, 4,</u>	- Material	: Concrete/Ogee type
	Costs Spent for Sub-Project (1,000 Pesos) :	Length (m) - Height (m)	12 m 1.50 m
		3. Intake	. !
institutional Assessment : 1. The 14 time commitmed in 1084, but her not functioned triall heavines the implementation of this	1. Initial Const.	- Design Discharge (1/s)	698.67
sub-project has been deferred.			8.8
	(1,000 Peses) :	6. Field Ditches (km)	3.00
	1. New Const. : 3,457 (As of 1990)	7. Main (Project) Drains (km) : 8. Secondary (Farm) Drains (km) :	
	2. Rehab //Imprv. : (As of 19 3. Expansion : (As of 19	9. Drainage Ditches (km) 10. Access Road (km)	1.50
	Project	11. Flood Protection Dike (km)	
Environmental Assessment:	as of 1990 : 24 %		