YEARS AFTER COMPLETION OF CONSTRUCTION FOR ALL CISS

(Unit : Nos.)
Designed Irrigable Area

Region		Province						Nos. of							Designed Irrigable A
1		ILOCOS NORTE	1 yr 2	2 yr 0	<u>_3r</u>	<u>4 y</u>		the second s	<u>n 7y</u> 0			7 Over 10 yr 1 3	Unitenowa 102	1 Total 119	(ha) 13,630
	2	ABRA	ĩ	ĩ	o							1 2	27	37	5,266
	3	ILOCOS SUR	1	1	2	. 0) (o 3				0 4	59	70	8,183
	- 4.	MOUNTAIN PROVINCE	3	0	0			0.0				0 0	4	. 8	914
	5	LAUNION	1	1	0	0		00				0 32 1 2	4	39 9	5,071
	- 7	BENGUET PANGASINAN	· 0 3	2 1	1 2	0		· · ·				2 102	54	178	27,409
	_	Sub-total	11	6	12			2 9		the second s	Contraction of the local division of the loc	5 145	253	460	61,090
U	8	BATANES	0	0	0		and the second second	0 () () () (0 0	0	0	. 0
	: 9	CAGAYAN	0	3	7	0) (0 (3 3			4 33	52	105	14,511
		KALINGA APAYAO	3	0	1	0		0 3				0 2	52	64	5,602
		ISABELA	0 4	0	4	1		02 101				2 17 0 23	15	47	9,775 3,279
		IFUGAO NUEVA VISCAYA	0	0 1	. 1	1						5 28	87	131	18,118
		QUIRINO	õ	Ō	ĩ	1						3 12	4	29	3,460
		sub-tota!	7	4	14	3	3	5 5) 7	11	3 14	4 115	215	411	54,745
10	15	NUEVA ECIJA	2	1	1	C) (0 1	1	1		0 3	_ 33	-43	7,746
		TARLAC	8	1	2	0		0 0				0 3	22	36	7,975
		ZAMBALES	0	1	1	0						2 I 1 3	2 60	10 73	1,563 11,521
	18	PAMPANGA BUL ACAN	5 1	3 0	0 - 1	0 1		9 (9 (-		0 4	- 1 1	18	2,568
		BULACAN BATAAN	2	0	0	0						1 5	18	30	3 932
		sub-total	18	6	- 5							4 19	146	210	35,305
10	21	AURORA	1	0	1	1		0 ť) 1		2 3	2 0	31	39	6,190
		QUEZON	1	1	1	1		נמ			-	1 2	28	38	3,875
	23	RIZAL	0	0	0	. 0						D 18	0	19	1,769
	24	CAVITE	0.3	1	0	0						0 1 2 2	3 16	5 25	596 2,474
		LAGUNA BATANGAS	0	1	0	0						2 <u>2</u> 0 0	21	22	2,032
		MARINDUQUE	õ	1	1	0		n (-	i 0	1	5	545
	28	MINDORO ORIENTAL	1	0	0	C	•	1 3	6	. 1	. 1	3 0	33	48	8,290
	29	MINDORO OCCIDENTAL	0	2	3	1	1 (0,0) 0) (0 1	47	54	10,328
		ROMBLON	0	0	0	0		•				20	0	2	. 145
	31	PALAWAN	0	1	<u> </u>	1						6 <u>13</u> 7 37	14 194	41	7,222 43,466
<u></u>		sub-total	6	8	7	4		2 7				1 31 1 4	<u>194</u> 6	298 18	43,400
¥ .	32	CAMARINES NUNTE	0	3	. 1	1						0 30	57	96	13,012
	34	CATANDUANES	1	Ő.	0	0						1 0	7	9	1,049
	35	ALBAY	3	1	1	2	2 1	1 1	1	1	6 (D 1	66	78	11,835
	. 36	SORSOGON	0	1	2	0						0 17.	δ	34	4,404
	37	MASBATE	0	0	Q	0						2 6	9	19	1,854
		sub-total	4	5	7	3					_	4 <u>58</u> 16	151	254	33,623
VI -	38 39	AKLAN CAPIZ	1	2	0	0) I I (16 0.6	2	14	1,805 1,108
		ANTIQUE	1	õ	ò	ő						3 19	13	. 41	4,649
		LOLO	1	0	0	2	! 1	ιį) <u>2</u>	. I		0 21	6	34	4,790
	42	NEGROS OCCIDENTAL	0	1	0	1		0 0) 0) () (0 2	13	17	2,326
	43	NEGROS DEL NORTE	0	0	0	0						0 0	0	0	0
	<u> </u>	sub-total	3	3	1	3	_	_		and set of the set of		4 54	35	118	14,678
VII .	44	CEBU NEGROS ORIENTAL	0	0 1	1	0		1 3 2 (30 110	2 5	11 26	1,855 4,885
		BOHOL	1 0	0 -	ŏ	0		2 (4 22	1	39	4,657
		SIQUUOR	ō	õ '	ō	Ő		0 0				0 0	. 0	0	0
1 e.		sub-total	1	1	· 1	0) 1	6 32	8	76	11,397
VIII	48	NORTHERN SAMAR	0	1	0	1	. 1	1 C) 0) (0 10	0	13	1,255
	49	SAMAR	0	0	1	1						ວ່ 2	3	10	1,099
	- 50		0	0	0	0						0 0	2	2	252
		NORTHERN LEYTE	1	1	3	1			21			2 40 0 11	47 6	101 20	16,226 2,231
	- 52	SOUTHERN LEYTE sub-total	1	2	1 5							2 63	0 58	146	21,063
IX	53	ZAMBOANGA DEL NORTE	0	1		1			2 1			0 8		140	2,223
		ZAMBOANGA DEL SUR	õ	0	3	2						1 8	34	51	7,867
		BASILAN	Ō	0	0	0						0 0	2	2	155
		SULU	0	0	0	0						D 0	Q	0	0
	57	TAWI-TAWI	0	0	0) (0 0	0	0	0
<u>.</u>		sub-total	0	1	2	3						1 16	37	68	10,245
х		SURIGAO DEL NORTE CAMIGUIN	0	0	1	1						0 4 0 1	9 0	22	2,410 540
		AGUSAN DEL NORTE	4	1 0	2	0		р с) (4 12	16	43	6,007
	61	MISAMIS ORIENTAL	0	1	Õ	1						1 3	4	16	2,490
		MISAMIS OCCIDENTAL	1	3	1	1		0 () 0) (07	6	20	2,710
		BUKIDNON	1	2	0	2		0 3				3 9	3	31	5,217
	64	AGUSAN DEL SUR	<u> </u>	1	0			0 (3 8	3	16	3,025
		sub-total	7	8 .	4				5 11				41	151	22,399
XI	65 66	SURIGAO DEL SUR DAVAO ORIENTAL	0	3	0	1		4 I D I				0 8 1 3	5 2	22 12	3,619 1,740
		DAVAO ORIENTAL DAVAO DEL NORTE	0.	0	ĩ	. 0			21			0 1	2	12	3,260
		DAVAO DEL SUR	0	ĩ	i	0			3 3			5 13	ó	32	5,726
	69	SOUTH COTABATO	0	0	0	2) 1			2 17	7	31	5,935
		sub-total	0	4	2				1 7	1		8 42	23	112	20,280
VII		LANAO DEL NORTE	1	0	1	0		0 (1 6	7	20.	3,258
An	. 71	LANAO DEL SUR	0	0	0	1						1 1	5	10	2,190
лп		NORTH COTABATO	0	0	0	0						2 13	8	24	4,897 8,255
XII			0	•	n)	י ו) <i>^</i>			(7)	12		
All	73	MAGUINDANAO SULTAN KUDARAT	0	0 0	0	0		p (1 (5 22 0 11	13 9	43	4,878

YEARS FROM COMPLETION OF CONSTRUCTION TO COMPLETION OF REHABILITATION/IMPROVEMENT WORKS FOR REHABILITATED/IMPROVED CISS

Table B2-25

	,,	FOR REHA					abilitated				n of Coo	rruction	·		Designed Irrigable A
egion		LIGATIOS	l y	A Abraha Street				ут б			<u>r 9y</u>	rr Over 10		Total	(ha)
i	1	ILOCOS NORTE	1		0	0	0			0 0		b (119	784
•	2	ABRA	1	i i	0	0	2	-	1			0 1		37	2,232
	3	ILOCOS SUR	2	2	0	0	0	-		D (0 (70	2.86 308
	4	MOUNTAIN PROVINCE	0)	0	1	0	-		0 0	-	0 0		. 8	2,201
	5	LA UNION	1	L	0	0	0	-		0 (0 8		39	0
	6	BENGUET	C)	0	0	0			0 (D (9	3,171
	7	PANGASINAN	. (And Person name of Contrast of	1	0	1		distant or many statements			0	والمسابكة المالي والمار والمالية المتحد المتها والمسابقة	<u>178</u> 460	8,982
		Sub-total	5		1	1	3	in the second			LOAD AND AND AND AND AND AND AND AND AND A	0 10	COLUMN TO AND A DESCRIPTION OF THE OWNER.		0,782 Û
u	8	BATANES	(0	0	0			-		0 0		105	2,391
	9	CAGAYAN	C		1	0	1	÷		0 0				64	209
	10	KALINGA APAYAO	1		0	0	0			0 (3 1		3. 2		47	2,420
	11	ISABELA	3		2	0	0		-			5 1 D (35	522
	12		7		0	0	0	-		-				131	491
		NUBVA VISCAYA	C		0	0	1	-				1 I 1 I		29	750
	14	QUIRINO			0	0	0			0 (5	And a state of the local data and the local data an	411	6,783
		sub-total	9		3	0	2			0 0		5 0		43	410
111			0		0	0	0 .	-		-		0 1	_	36	688
		TARLAC	(-	0	0	õ			0 1		0 1	_	10	223
		ZAMBALES	(0 0	0	ĩ			i (0 (73	1,112
			, C		1	1	0	-		0 (0 · 0		18	350
			1		1	0 .	õ			0 (27	30	893
-		BATAAN sub-total	. 3	· · · · · · · · · · · · · · · · · · ·	2	1	1		0	1		0	No. of Concession, Name of Street, or other Designation, or other	210	3,676
ÎV.	21	AURORA			1	0	1	_		0 0		0 (39	759
		OUEZON	4		1	0 0	1			0 0	່່	0 1	31	38	1,036
		REZAL	Č		0	õ	0			0 (0 8		19	618
		CAVITE	Ċ)	0	0	0	0	0 [:] (в (o (5	94
		LAGUNA	()	0	0	0	0	0 +	o (0: (25	275
		_	. ()	0	0	0	0	n (0 · 0		о (22	0
	27	MARINDUQUE	()	1	0	0		•	0 (ò c		. 5	130
	28	MINDORO ORIENTAL	1	i i	0.	0 .	2	•		2 1		0 (48	2,773
	29	MINDORO OCCIDENTAL	C)	1	0	0					0 (54	345
	30		()	1	0	0			-		0 (2	145
	31	PALAWAN			1 .	0	2	and the second se				2		41	2,465
		sub-total	1	<u> </u>	6	0	6			3		2 1		298	8,640
v	32	CAMARINES NORTE	3		1 .	2	1	-		1		0		18	976
	33	CAMARINES SUR	3		0	1	1	-		3		1 10		96	3,713
		CATANDUANES			0	0	0	0				0 (9 78	624
			(2	1	0			-		0 (1,963
		SORSOGON			0	2	1	2		-	-	1		34 19	2,537 735
	37				0	0	0			1		1 3 20		254	10,548
		sub-total	1		3	6.	3					1		14	1,344
٧I	. 38	AKLAN			0 . 0	0	0			-		0 3		12	839
	39	CAPIZ	Ĩ		2	1	2	2 2		-		4		41	2,383
	40	ANTIQUE ILOILO	1		2	1	0	2		-		1		34	2,690
	41	NEGROS OCCIDENTAL	í		0	ò	0	-		-		0 1		17	194
		NEGROS DEL NORTE			0	0	0.	-				0 (. 0	0
	-45	sub-total			3	2	2					6 1		118	7,450
VII	44	CEBU		<u>.</u>	1	2	2					0 (فستقطط تجدحا كالمحتقل الجريبية بشيادي	11	1 375
• •	45	NEGROS ORIENTAL	· .		1	0	1					1		26	2,015
					1 .	3	2	-				0 1		39	2,337
	47	SIQUUOR	Ċ		0	0	0	0.			0 0	0 0). 0 ·	0	0
		sub-total	 		3	5	5					1	5 44	76	5,727
VIII	48	NORTHERN SAMAR			0	0	0					0 0		13	1.50
	49		Ċ		2	2	0					0 ' () 4	. 10	789
		EASTERN SAMAR	Ċ		0	0	0			0 0	o (o (a 2	2	0
		NORTHERN LEYTE	2		Ð	1	0		0	0 1	1 3	2 .		101	2,454
		SOUTHERN LEYTE			0	0.	0.	0	1	0		0		20	788
		sub-total		3	2	3	0					2 8		146	4,18)
IX	53	ZAMBOANGA DEL NORTE	4	1	0	1	0					1		15	1,684
	54	ZAMBOANGA DEL SUR) ()	1	2	1					0 (51	2,121
		BASILAN	(0	0	0	•		0 (0 (2	0
		SULU			0 .	0						0 (0	0
	57	TAWI-TAWI			0	0	0					0 (0	: 0
		sub-total	4		1	3	1					1		68	3,805
X		SURIGAO DEL NORTE	. 1		0	0	0					0 1		22	217
		CAMIGUIN	0		0	0	0					0 1		3	160
		AGUSAN DEL NORTE	1		1	0	2		2			0 4		43	2,650
	61	MISAMIS ORIENTAL	1	-	1	0	2	1		-		0 2		16 20	1,675 1,570
		MISAMIS OCCIDENTAL	4		0	1	0	•		-		0 3		20	1,570 3,987
		BUKIDNON			2	1	3	· · ·				2 (16	3,987
	64	AGUSAN DEL SUR	. 1		0	0	0					0		15	1,975
	<u></u>	sub-total	14		4	2	3					2 1		22	2,244
XI .		SURIGAO DEL SUR	3		3	0	3						3.9 D 7	12	970
		DAVAO ORIENTAL	· (0	1	0					0 0		12	1,220
		DAVAO DEL NORTE	1		0	2								32	2,240
		DAVAO DEL SUR	1		4	2	2							32	3,315
	69	SOUTH COTABATO			0	4	2	Commence of the second s					5 <u>11</u> 5 59	112	9,989
		sub-total LANAO DEL NORTE	10		7	9	2					2		20	1,348
		LANAU DEL NURTE	1		0	2	4	v							
X11 .					Δ ·	0	0	0	1 .	n 1	n 1	n · ·	ר ו	10	
XII .	° 71	LANAO DEL SUR	2		0 :	0	0					0 1		10 24	540 2.687
<u>x11 .</u>	71 72	LANAO DEL SUR NORTH COTABATO	1	1	0	0	1	1	3	2	3 ; ;	3 () 10	24	2,687
<u>xn .</u>	71 72 73	LANAO DEL SUR))				1 2	3 I.	2	3 :) 10 24		

YEARS AFTER COMPLETION OF CONSTRUCTION FOR CISS REQUIRING REHABILITATION/IMPROVEMENT WORKS

Table B2-26

Region		Province					wriag Re			ovenent				Designed Irrigable
		N A AAA LIMBAA	1 yr 2							<u>yr</u> 9				(ed)
I	1	ILOCOS NORTE	1.	0	3	0		-	0		1	1 79		9,778
	2	ABRA	1	0	0				1			1 25		4,241
	3	ILOCOS SUR	0	1	1	0	0	2	0			2 51		6,573
	4	MOUNTAIN PROVINCE	3	0	0	1		-	0	-		02 58		750
	5	LA UNION	1 . A	1	0	0	-		1	-	01			3,348
	6	BENGUET	0	2	1 .	0						2 <u>1</u> 247		449
	7	PANGASINAN	2	1	<u> </u>	<u>0</u>		And the second se	5		2 7			20,572
		Sub-total		5	6	1	2		7		5 9			45,711
11	. 8	BATANES	0	0	0						•	00		0
	. 9	CAGAYAN	0	0	0	0					4 1			7,705
		KALINGA APAYAO	2	0	0			-	1			• ·	-	1,198
		ISABELA	0 .	0 .	2				0		-	70		2,750
		IFUGAO	1	0	0	1			•		0 2			2,509
		NUEVA VISCAYA	0	0	0	-		-			-	8 27		5,468
	_]4	QUIRINO	0	0	0			No. of Concession, Name			in the second seco	7 2		2,380
		sub-total	3	0	2					4 1				22,011
in		NUEVA ECUA	0	0	0							1 5		1,609
		TARLAC	7	1	1							2 19		6,861
		ZAMBALES	0	0	0				•		-	1 1		659
		PAMPANGA	. 1 .,	1	0				1			0 12		2,240
		BULACAN	0	0	1	-		-	-			0 1		350
		BATAAN	· 0	0 .	0				0	3		2 8		895
		sub-total	8	2	2							6 46		12,614
Ī٧	21	AURORA	1	0	1							0 9		3,006
		QUEZON	. 1	0	1				-			1.1		667
		RIZAL	• •	0	0				•		0 1			1,650
		CAVITE	0	1 -	0		•		0	-	-	0 1	2	158
		LAGUNA	1	1	0	*			0		-	0 11	15	1,511
		BATANGAS	Û	0	0	-	-	-	0			0 0		0
	27		0	1	1	0			0			0 0		370
	28	MINDORO ORIENTAL	1	0	Û			-	4		_	0 28		7,220
	29	MINDORO OCCIDENTAL	. 0	1	2	-			*			0 8		2,121
	30	ROMBLON	0	0	0	0	0	0	0			0 0		145
	31	PALAWAN	0	1	0			-	1			9 1	19	3,457
	11	sub-total	4	5	5				5	5 1				20,305
Y.	32	CAMARINES NORTE	. 0	0	3	0	1	2	0	1		4 1		1,051
	33 -	CAMARINES SUR	0	1	1	1	0	1	0	1	0 2			6,739
	34	CATANDUANES	1 5 8	0	0	0	0	0	0	0	0 1	0 5	. 6	876
	35	ALBAY	2	0	1	2	1	1	1	1 .	0	1 21	31	4,923
	36	SORSOGON	0	1	2	0	0	1	3.	2	0 14	4 4	27	3,694
	37	MASBATE	. 0	0	0	0 .	0	0	0	2	1	32	8	731
		sub-total	3	2	7	3	2	5	4	7.	2 4	4 48	127	18,014
VI		AKLAN	0	1	0				0			4 0		1,151
	39	CAPIZ	0	0	1	0	1	0	1	1 .	0	52	11	1,048
	. 40	ANTIQUE	1	0	0	0	1 .	1	2	1	3 1	9 11	39	4,399
	41	ILOILO	1	0	0	2	0	0	1 .	0	0 1	4 2	20	2,760
	42	NEGROS OCCIDENTAL	0	0	0	0	0	0	0	0		o o	0	0
		NEGROS DEL NORTE	0	0	0			0	0	0		0 0	0	0
		sub-total	2	1	1	2	2	1	4	4	4 4	2 15	78	9,358
νп	44	CEBU	0	0	0	0	1	1	0 [1	2 (0 1	6	992
	45	NEGROS ORIENTAL	1	1.	0	0	ł	0	6	0	1 :	52	17	3,045
	46	BOHOL	0	Q	0.	0	0	0	1	8	2 1	71	29	3,844
	47	SIQUIJOR	0	0	0	0	6	0	0	0	0 1	0 0	0	0
		sub-total	1	1	0	0	2	1	7	9	5 2:	2 4	52	7,881
νш	48	NORTHERN SAMAR	0	0.	0	0	0	0	0	0	0 9	0 6	9	910
	49	SAMAR	0	0	1	1	0.	2	0	i (0 :	2 2	9	1,049
		EASTERN SAMAR	0	0	0				0		0 (1	167
		NORTHERN LEYTE	1	1	3	1	2	2	0	1 :	2 3	3 41	92	14,475
	52	SOUTHERN LEYTE	. 0								0 10		14	1,501
1		sub-total	1								2 59		125	18,102
IX	53	ZAMBOANGA DEL NORTE	0) (1,968
		ZAMBOANGA DEL SUR	0)		19	3,177
		BASILAN	õ							ο i			1	80
		SULU	ŏ							0 (0	0
		TAWI-TAWI								ŏ (õ	ŏ
		sub-total	0							in the second) 1		32	5,225
X	58	SURIGAO DEL NORTE) 2		4	260
· •		CAMIGUIN									, <u>,</u>		2	160
		AGUSAN DEL NORTE							1				31	4,317
		MISAMIS ORIENTAL	0			1			-	3 1			13	1,725
		MISAMIS OCCIDENTAL				•) .) .				13	2,474
					-					-			21	
		BUKIDNON ACUSAN DEL SUR			-	-				4 3 0 3				3,967
	- 04	AGUSAN DEL SUR					_						<u>11</u> 99	1,975
xī		sub-total												14,878
A1 .		SURIGAO DEL SUR										-	18	2,759
		DAVAO ORIENTAL								2 1			9	1,360
		DAVAO DEL NORTE						c		0 (3	620
1.1		DAVAO DEL SUR				-				1 1			14	1,996
	69	SOUTH COTABATO						0		2 2			23	3,935
		sub-total		·····	_						34		67	10,670
XII		LANAO DEL NORTE								2 1		-	11	1,466
		LANAO DEL SUR				0				1 1	L _ 1		• 4	730
	\boldsymbol{n}	NORTH COTABATO	0	0 0 1	0	0	1 . (0 () (0 2	2 11	3	17	3,497
	73	MAGUINDANAO	Û	0	0 . 1	0., I	Ď, I	0 0). :	2 4	10	3	19	3,455
	74	SULTAN KUDARAT	• 0	0	1	0	E L	D () i	0 () 10	.3	15	3,357
		sub-total	1	0	2	0	3 (0	2	5 8			66	12,565

FACILITIES REQUIRING REHABILITATION/IMPROVEMENT WORKS: CIS

				inng Rehabilitat				Diversion	Irri. Canal	Drain Canal	Flood	Service	Acce
Region	Province	Diversion	Im. Canal	Drain. Canul	Flood	Service Roads	Access Roads	weir/			Protection	Roads	Rose
		weir/	đe Struciu res	A Structures	Protection	ROEGS	NOR OF C	Intako	Servictures	Structures			
		Intelic	74	0	18	0	6	17,885	2,485	ð	2,318	2,027	4
ł	1 ILOCOS NORTE	40	28	õ	1	ō	Å	2,585	7,301	0	360	0	ંગ
	2 ALIRA	20	25	0	6	š	- 4	21,117	3,579	0	10,267	- 11	
	3 ILOCOS SUR	55		0	ő	0	4	867	2,573	0	0	0	5
	4 MOUNTAIN PROVINCE	3	5	-	7	0	0	6,491	3,395	0	2,307	0	
	5 LA UNION	19	25	0			2	600	15,018	. 0	8,824	2,222	1,5
	6 BENOUET	2	5	0	1	1			7,047	734	2,531	1,282	7
	3 PANGASINAN	110	113	2	43	19	27	6,963		734	2,751	1,271	6
	Sub-total	249	275	2	16	25	47	\$,119	5,495	/ 3%			
ц	8 BATANES	Ó	0	0	ð	0	. 0	-	-	-		815	
	9 CAGAYAN	47	37	6	9	25	2	20,794	13,720	898	8,360		
	10 KALINGA APAYAO	2	8	0	2	2	1	3,612	5,453	0	1 57,492	2,023	
	11 ISABELA	5	10	3	1	\$	7	10,833	702	454	0	1,000	7
	12 FUGAO	29	30	24	27	0	0	9,877	6,123	11,357	4,954	0	
	13 NUEVA VISCAYA	29	28	3	20	6	6	3,508	1,355	0	3,979	1,264	
		3	18	0	0	1	3	11,509	9,898	0	0	0	
•	14 QUIRINO	115	131	36	59	39	19	13,798	8,512	8,476	12,871	953	
	aub-total		6	0	2	0	0	2,873	8,266	2,710	740	0	
	15 NUEVA ECUA	2	29		6	13	6	10,638	917	200	10,735	297	
	16 TARLAC			0	7	0	ĩ	0	6,503	0	0	0	
	17 ZAMBALES	0	2		, 6	i	ō	3,161	2,206	171	3,435	0	
	18 PAMPANGA	11	3	1			ő	4,204	-,o	0	548	0	
	19 BULACAN	3	0	0	1	0			ŏ	ò	0	0	1.
	20 BATAAN	7	. 5	00	0	3	2	17,903			6,222	297	
	لفاها طعه	24	45	2	22	17		8,022	1,976	1,868	1,283	156	
	21 AURORA	• 0	12	5	9	2	13	0	8,576	1,161		001	
	22 QUEZON	. 6	4	0	_ 1	0	0	5,270	3,966	0	1,339		
	23 RIZAL	5	17	0	۵	0	0	750	3,030	0	0	0	
	24 CAVIE	2	2	0	ρ	1	0	10,938	3,125	0	0	0	
	25 LAGUNA	2	15	0	12	0	4	1,000	8,711	0	3,024	0	3,
	26 BATANGAS	0	0	0	0	0	0	0	0	0	0	0	
	27 MARINDUQUE	1	4	0	1	0	0	28,305	5,339	13,846	13,846	0 .	
	28 MINDORO ORIENTAL	33	15	Ď	4	ĩ	5	14,222	5,803	a	11,027	500	
		2	2	0	2	6	12	4,687	1,811	0	1,404	447	
	29 MINDORO OCCIDENTAL	-		ő	2	ő	0	35,172	5,517	0	6,897	0	
	30 ROMBLON	2	2		. 4	. 4	4	4,310	6,665	. 94	1,177	417	
	31 PALAWAN	18	12	3			38	10,028	6,234	1,891	3,390	379	
	sub-total	71	85	8	35	14		1,900	1,514	357	4,177	10,390	
Y	32 CAMARINES NORTE	5	13	3	11	1	1		1,678		5,270	4,232	1,
	33 CAMARENES SUR	29	38	3	9	4	6	4,924		3,706		1,250	•1
	34 CATANDUANES	4	6	1	- 4	1	2	15,023	4,769	0	920		
	35 ALBAY	11	29	12 .	38	3	7	2,647	1,322	683	1,135	145	•
	36 SORSOGON	11	26	2	4	0	2	7,647	11,510	284	5,564	8,894	4,
	37 MASBATE	6	6	0	4	0	0	3,640	1,640	0	1,663	0	
	aub-total	66	118	23	70	9	18	5,060	3,721	1,689	2,137	3,435	١,
7	38 AKLAN	10	4	0	1	0	1	2,765	2,641	Ø	4,930	• •	3,
	39 CAPIZ	7	8	2	3	3	5	3,947	14,318	0	1,190	2,577	. 12
	40 ANTIQUE	28	35	6	n i	20	18	25,971	5,702	174	3,884	146	
	4) LOLO	13	16	å	4	4	. 0	3,600	6,119	2,000	3,982	1,765	
	42 NEGROS OCCIDENTAL	0	0	0	0	0	2	0	0	0	0	0	
			.0	ů.	ŏ	ů.	. 0					<u> </u>	
÷.	43 NEGROS DEL NORTE	0		12	19	27	26	15,703	6,482	800	3,637	561	
	eub-total	58	63						13.614	0	550	0	
	44 CEBU	1	6	0	4	0	0	19,492				- 91	
	45 NEGROS ORIENTAL	10	14	2	4	3	12	2,031	1,294	1,250	1,638		
	46 BOHOL	12	29	ł	. 6	_ 1	1	1,786	12,315	9,498	962	0	
	47 SIQUEOR	. 0	0	0	0	0	0						
-	leai-dra	23	49	3	14	4	13	3,281	5,521	4,527	1,006	91	
п1	48 NORTHERN SAMAR	9	5	0	Z	0	· 0	20,347	21,935	0	4,118	0	
	49 SAMAR	3	9	2	2	3	3	2,591	2,073	752	1,250	1,795	2
	50 EASTERN SAMAR	0	Ť.	0	1	Ó	ĩ	0	2,623	0	48	0	
	51 NORTHERN LEYTE	75	91	2 .	2	ň	18	24,702	21,972	7,619	237	71	
			- 15	. *	6	0	3	12,819	11,733	14,857	2,212	0	5,
-	52 SOUTHERN LEYTE	14	121			14	- 25	21,000	17,002	10,393	1,687	980	1
	sab total	101		13		0	0	679	1,191	652	819	0	<u> </u>
	53 ZAMBOANGA DEL NORTE	11	12	11	15						. 0	o	
	54 ZAMBOANGA DEL SUR	17	5	0		(i	0	37,380	43,133	0		0	
	55 BASILAN	1	0	0	0	u	0	Ó	0	0	0	v	
	56 SULU	0	0	0	0	0	0	-	-	•	•		
	S7 TAWI-TAWI	0	0	0	0	0	0	<u>`</u>			<u> </u>		
	sub-total	29	17		16	0	0	13,356	13,499	652	819	0	
x	58 SURIGAO DEL NORTE	0	4	0	1	l	0	0	2,702	1,136	0	83	
	59 CAMIGUIN	0	2	0	1	ti	0	0	. 0	1,429	0	0	
	60 AGUSAN DEL NORTE	20	29	9	15	\$	16	4,510	5,430	3,449	8,742	4,255	2
	61 MISAMIS ORIENTAL	5	13	2	6	0	1	731	2,155	909	859	0	
	62 MISAMIS OCCIDENTAL	12	16	12	13	0	0	1,704	1,401	519	752	0	
	63 BUKIDNON	11	20	6	6	6	6	4,109	1,852	2,922	2,466	1,692	3.
						0	10	-,03	1,311	418	888	0	-
-	64 AGUSAN DEL SUR			9						the second s	3,465	2,540	• 1
	sab-total	57	95	38	53	12	33	2,596	2,787	1,645	the second day of the		
	65 SURICAO DEL SUR	11	21	3	1	1	2	2,980	13,218	736	862	1,000	
	66 DAVAO ORIENTAL	6	6	2	2	0	2	3,556	5,230	2,567	7,833	3,077	1,
	67 DAVAO DEL NORTE	2	1	. 0	0	0	0		9,042	0	0	0	
	68 DAVAO DEL SUR	3	n	Ð	11	6	3	4,000	5,601	1,579	2,635	1\$0	
	69 SOUTH COTABATO	14	21	4	,	3	2	12,683	9,359	555	610	4,454	3
. •	sub-total	36	56	9	21	10		8,262	10,213	1,020	2,040	2,220	1
		30			1	<u>i</u>	0	4,274	4.671	1,669	0	0	ii
	70 LANAO DEL NORTE						3	6,503	8,412	3,751	1,225	1,582	3
	71 LANAO DEL SUR	3	4	3	4	3						1,502	
	72 NORTH COTABATO	8	12	1	5	9	13	4,322	3,620	88	949	976	
	73 MAGUINDANAO	5	- 17	6	12	2	10	12,961	10,225	747	8,090		
		10	16	10	7	5	1	8,124	15,617	1,789	2,367	6,083	4,
	74 SULTAN KUDARAT	10			·								
	74 SULTAN KUDARAT	29	58	23	29	29	27 264	7,345	9,046 6,720	1,582	4,111	2,770	<u> </u>

ANNEX B-3

CROSS-CHECKING OF DESIGNED IRRIGABLE AREAS

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ANNEX B-3 CROSS-CHECKING OF DESIGNED IRRIGABLE AREAS

General

- B.01 Designed irrigable areas (wet/dry seasons) were answered in the questionnaires. Although these data were most important and basic for the master plan study, inadequate or unreliable data were found in answers. These designed irrigable areas were, therefore, cross-checked for the master plan study by balancing estimated available river discharge and diversion water requirement of these areas.
- B.02 The river discharge was estimated, multiplying specific discharge computed from collected gauged discharge by catchment area. The diversion water requirement was estimated from pan-evaporation data by assuming relationship of pan-evaporation and consumptive water use. The cross-checking was made for sub-projects with catchment area data (CISs: 1,229 nos., CIPs: 845 nos.). The sub-projects without catchment area were not be cross-checked (CISs: 1,194, CIPs: 621).
- B.03 General procedures for estimation of river discharge and diversion water requirement were as follows:

Estimation of river discharge

- (1) Determination of climate type for each province
- (2) Determination of representative annual rainfall for each province
- (3) Calculation of specific discharge for each climate type
- (4) Calculation of specific discharge for each province
- (5) Calculation of specific discharge for each sub-project

Estimation of diversion water requirement

- (1) Determination of cropping pattern for each province
- (2) Determination of pan-evaporation for each province
- (3) Calculation of unit diversion water requirement for each province
- (4) Calculation of diversion water requirement for each sub-project
- B.04 The explanation of the above procedures are given hereinunder and a work flow for the cross-checking is shown in Fig. B3-01.

Estimation of River Discharge

B.05 Climate Types

The Philippines climate is generally divided into the following four types mainly according to rainfall distribution pattern.

- Type I: Two pronounced seasons. Dry from November to April, wet during the rest of the year. The maximum rain occurs from June to October. The dry season lasts from three to six months. Annual rainfall is generally from 1,500 to 2,000 mm.
- Type II: No dry season. Very pronounced maximum rain period from November to January. Annual rainfall is generally from 2,500 to 4,200 mm.
- Type III: Seasons are not very pronounced. Relatively dry from November to April and wet during the rest of the year. Annual rainfall is generally from 2,000 to 3,500 mm.
- Type IV: Rainfall is more or less evenly distributed throughout year.

A climate type of each province is shown in Fig. B3-02 and Table B3-01.

B.06 Representative Annual Rainfall for Each Province

Considering the above climate type, isohyetal map, and topography, representative annual rainfall for each province was determined from rainfall data of 75 rainfall stations collected during Phase-I field investigation stage. When rainfall data were not available in a province, neighbouring province's rainfall was adopted as rainfall data for the province, considering isohyetal map and climate type.

The representative annual rainfall for each province determined in the above manners is shown in Table B3-01, and each monthly rainfall is shown in PART-C of DATABOOK.

B.07 Specific Discharge for Each Climate Type

On an assumption that river discharge is proportional to catchment area and rainfall, the following monthly specific discharge for each climate type was calculated using discharge data of 198 gauging stations and the representative rainfall for each province.

 $Qsm = Qo/(Ao \times Ro/1,000)$

- Qsm: Monthly specific discharge for annual rainfall of 1,000 mm (lit/sec/km²/1,000 mm)
- Qo: Monthly average river discharge (lit/sec)
- Ao: Catchment area at gauging station (km²)
- Ro: Annual rainfall (mm)

Monthly specific discharges for four types of climate are shown in Fig. B3-03.

B.08 Monthly Specific Discharge for Each Province

Fig. B3-03 indicate relationship between river discharge and catchment area by climate type although there are some ranges in the specific discharges. Monthly specific discharge for each province (Qs) was estimated multiplying Qsm by 1/1000 of representative annual rainfall of each province and the results are shown in Table B3-02.

B.09 Monthly River Discharge for Each Sub-Project

Monthly river discharge for each sub-project was estimated using the following formula.

 $Q = Qs \times A \times Rm$

Q: Monthly river discharge for each sub-project (lit/sec)

Qs: Monthly specific discharge for each climate type (lit/sec/km²)

A: Catchment area at diversion site for each sub-project (km²)

Rm: Monthly rainfall for each province (mm)

Estimation of Diversion Water Requirement

B.10 Diversion Water Requirement

Since there were no measured consumption water use data and available meteorological data required for use of Penman method were very limited, consumptive water use for wet/dry season paddys was estimated on a monthly basis from pan-evaporation on an assumption that the consumptive water use be proportional to pan-evaporation. Unit diversion water requirement for each province was estimated by using the following formula.

 $DWRo = (LSIR + LPIR + CU + P - Re) + EF \div 8.64$

DWRo: Unit diversion water requirement (lit/sec/ha)

- LSIR: Land soaking irrigation requirement (mm/day)
- LPIR: Land preparation irrigation requirement (mm/day)
- CU: Consumptive water use (mm/day)
- P: Percolation (mm/day)
- Re: Effective rainfall (mm/day)
- EF: Overall irrigation efficiency

B.11 Proposed Cropping Pattern

Major crops for SSIDP are wet season paddy and dry season paddy, and diversified crops are at present very minor. Therefore, proposed cropping pattern for SSIDP was assumed to be a double cropping of paddy a year. The proposed cropping pattern for each province was prepared based on those of NIA (PDD). When there was no proposed cropping pattern for a province, present cropping pattern obtained from NIA (PDD) was adopted as proposed pattern for the province. As a result, nine proposed cropping patterns were prepared as shown in Fig. B3-04.

B.12 Criteria in preparing the cropping pattern were as follows:

- (1) A staggering period is one month.
- (2) A land soaking period is one week.
- (3) A growing period is four months.
- (4) A fallow period is one month.
- (5) Drainage starts two weeks before harvest.

The above criteria were judged generally adequate by using the computerized database.

B.13 Representative Pan-Evaporation for Each Province

Representative pan-evaporation for each province was selected from collected panevaporation data of 30 meteorological observation stations. When there were no data for a province, data of neighbouring province were adopted as pan-evaporation data for the province. The selected pan-evaporation for each province is shown in Table B3-01. B.14 Land Soaking Irrigation Requirement

Land soaking irrigation requirement (LSIR) was assumed as follows:

 $LSIR = \frac{Sn}{t} + Ep \ge 0.80 + P - Re$

Sn: Soil saturation requirement (150 mm)

t: Land soaking period (7.5 days or 1/4 month)

Ep: Pan-evaporation (mm/day)

B.15 <u>Land Preparation irrigation Requirement</u> Land preparation irrigation requirement (LPIR) was assumed as follows:

 $LPIR = Ep \times 0.80 + P - Re$

Ep: Pan-evaporation (mm/day)

P: Percolation (2.5 mm/day)

Re: Effective rainfall (mm/day)

B.16 Consumptive Water Use

Consumptive water use (CU) was estimated by the following formula and coefficient (K) was empirically assumed.

 $CU = Ep \times K$

Ep: Pan-evaporation (mm/day)

K: Consumptive use coefficients of paddy as shown below.

70 90 100 0 10 20 30 40 50 60 80 0.90 0.50 0.80 0.95 1.05 1.15 1.20 1.30 1.30 1.20 1.10

Percentage of Crop Growing Stage

B.17 Percolation

Since about 90% of sub-projects are located in silt and loam area, percolation was assumed at 2.5 mm/day.

B.18 Effective Rainfall

Effective rainfall was estimated on a monthly basis for each province, multiplying monthly rainfall by monthly effective rainfall coefficient obtained from "monthly

effective rainfall curve" which was empirically determined. The curve is shown in Fig. B3-05.

B.19 Overall Irrigation Efficiency

Averaged overall irrigation efficiency for CISs/CIPs was about 70% which was judged considerably high. In the estimation of diversion water requirement, overall irrigation efficiency of 58% was adopted with the following assumptions.

Conveyance efficiency90%Operation efficiency80%On-farm efficiency80%

 B.20 <u>Calculation of Unit Diversion Water Requirement for Each Province</u>
 The unit diversion water requirement for each province was estimated in the abovementioned manners and the results are shown in Fig. B3-03.

Water Balance

B.21 In order to check adequacy of designed irrigable areas (wet and dry seasons), replace inadequate areas by adequate areas and fill unknown designed irrigable areas of dry season by adequate areas, a water balance between the estimated river discharge and diversion water requirement was made on a monthly basis for each sub-project using the following formula.

q = Qs x A x 1,000 - DWRo x IA

- q: Balanced discharge (lit/sec)
- Qs: Monthly specific discharge of each province (lit/sec/km²)
- A: Catchment area at a diversion site of respective sub-project (km²)
- DWRo: Unit diversion water requirement of respective sub-project (lit/sec/ha)
- IA: Designed irrigable area of respective sub-project (wet or dry season) (ha)
- B.22 The above water balance was made for sub-projects with catchment area data (1,229 CISs, 845 CIPs), while the water balance could not be made for those without catchment area data (1,194 CISs, 624 CIPs) and those were deemed as sub-projects requiring re-study or investigation (feasibility study).

Sub-Projects	CISs (no.)	CIPs (no.)
With Catchment Area Data Without Catchment Area Data	1,229 (50.7%) 1,194 (49.3%)	845 (57.6%) 621 (42.4%)
Total	2,423 (100%)	1,466 (100%)

B.23 The results of the water balance were used as follows:

 $q \ge 0$: Designed irrigable area (wet season) of sub-project was judged adequate.

q < 0 : Designed irrigable area (wet season) of sub-project was judged inadequate. In case that designed irrigable area (dry season) was unknown, calculated irrigable area was adopted as it.

Sub-Projects with Adequate Designed Irrigable Areas

B.24 As a result of the water balance, designed irrigable areas (wet season) of 1,153 CISs and 762 CIPs were judged adequate. The designed irrigable areas of 76 CISs and 80 CIPs were judged inadequate. These sub-projects were deemed as sub-projects requiring re-study or investigation. The remaining sub-projects of 1,194 CISs and 621 CIPs were deemed as sub-projects without catchment area (designed irrigable area of which could not be cross-checked) as shown in the following table.

Sub-Projects	CISs (no.)	CIPs (no.)	Total (no.)
With Adequate Designed Irri. Area	1,153	762	1,915
With Inadequate Designed Irri. Area Requiring Re-Study or Investigation	76	83	159
Without Catchment Area Data	1,194	621	1,815
Total	2,423	1,466	3,889

BASIC DATA FOR WATER BALANCE

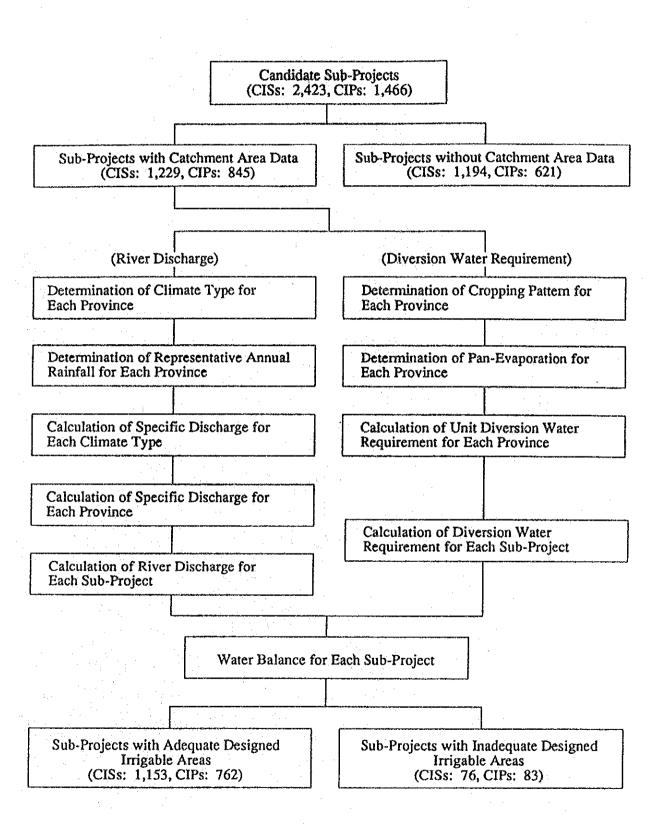
pion	Province	Climste Type	Cropping Pattern	Annual Rainfall for Irrigation Plan (mm)	Pan-evaporation (nun)
1	1 ILOCOS NORTE	1	7	2,308 3,205	2,242 2,242
I	2 ABRA	1 : 1	7	2,330	1,999
1	3 ILOCOS SUR 4 MOUNTAIN PROVINCE	1	Ś	2,330	1,999
1	4 MODATIAL TROTS OF	3	5	4,134	1,786
I	5 LA UNION	1 .	8	2,386	1,797
Ī	6 BENGUET	1	8	3,452	1,031 2,106
1	7 PANGASINAN	1	8	2,305 2,867	2,189
II	8 BATANES	3	. 8	1,723	2,189
n	9 CAGAYAN	4	8	3,271	1,524
и	10 KALINGA-APAYAO	3, (1)	4	2,692	2,189
ü	11 ISABELA	3	5	1,752	1,786
		4	5	3,271	1,524
п	12 IFUOAO	3, (1)	4	4,134 2,19 4	1,786 1,786
п	13 NUEVA VISCAYA	3, (1)	-	2,194	1,786
Ш	14 QUIRINO 15 NUEVA ECUA	1, (4)	*	1,900	1,624
ш	13 10 04 1 2 20 4	3	8	2,194	1,786
ш	16 TARLAC	1	4	1,965	1,767
m	17 ZAMBALES	1	8	3,424	1,767 1,740
ш	18 PAMPANGA	1	6 7	1,986 2,050	1,977
ш	19 BULACAN	1.(4)	'	2,625	1,740
Ш IV	20 BATAAN 21 AURORA	4	i	3,271	1,524
IV	22 QUEZON	2	4	3,347	1,518
		3	4	2,357	1,885
	and the second	4	4	3,271	1,524 1,885
ĩv	23 RIZAL	1.(4)	8 · 7 ·	2,310 1,820	1,885
IV IV	24 CAVITE 25 LAGUNA	1	8	1,920	1,885
IV IV	26 BATANGAS	1	8	1,820	1,885
••		3	8	2,357	1,885
IV	27 MARINDUQUE	4	7	1,726	1,392
IV	28 ORIENTAL MINDORO	4,(1)	6	1,961	1,392
IV	29 OCCIDENTAL MINDORO	1,(4)	9	2,302	2,388 1,937
IV	30 ROMBLON	3	8 7	1,578	2,388
IV	31 PALAWAN	3	7 .	2,079	1,937
v	32 CAMARINES NORTH	2	5	3,567	1,684
v	33 CAMARINES SUR	2	4	2,388	1,684
		4	4	1,726	1,392
Y	34 CATANDUANES	2 2	4	2,974 2,590	1,684 1,684
Y	35 ALBAY	4	4	1,726	1,392
v	36 SORSOGON	2	4	2,561	1,684
Ŷ	37 MASBATE	3	7	1,853	1,937
VI	38 AKLAN	3	4	3,004	1,937
VI	39 CAPIZ	3	5	2,593 3,685	1,937 1,851
VI VI	40 ANTIQUE 41 ILOILO	1.	5	2,004	1,851
VI	41 LAULA	3	5	2,233	1,937
VI	42 NEGROS OCCIDENTAL	1, (3)	4	2,566	1,851
vi	43 NEGROS DER NORTE	3	8	1,622	1,994
VП	44 CEBU	3	3	1,622	1,994
VII	45 NEGROS ORIENTAL	1	5	3,511 1,300	1,851 1,994
VII	A6 BOUDE	.3 4	S - 8	1,772	1,485
VII VII	46 BOHOL 47 SIQUIOR	4	8	1,622	1,994
VIII VIII	45 NORTHERN SAMAR	2, (4)	5	3,304	1,462
VIII	49 SAMAR	2, (4)	3	2,596	1,589
VIII	SO EASTERN SAMAR	2	5	3,407	1,718
VIII	51 NORTHERN LEYTE	2	8	2,149	1,589
1000	O CONTRESS FROM	4	8 8	2,108 3,498	1,485 1,589
VIII	52 SOUTHERN LEYTE	4	8	2,492	1,485
л	53 ZAMBOANGA DEL NORTE	3	4	2,939	1,994
		4	4	2,345	1,485
IX	54 ZAMBOANGA DEL SUR	3	5	1,206	1,994
		4	5	2,863	1,485
IX IV	55 BASILAN	4	2	1,858 2,090	2,489 2,489
IX IX	56 SULU 57 TAWI TAWI	4 6	2 2	2,090	2,489
X	58 SURIGAO DEL NORTE	2	. 5	3,817	1,341
x	59 CAMIGUIN	2	5	2,219	1,341
x	60 AGUSAN DER NORTE	2	7	2,219	1,341
х	61 MISAMIS ORIENTAL	2	. 8	2,219	1,341 1,971
v	62 MISAMIS OCCIDENTAL	3 4	8 5	1,677	1,485
X X	63 BUKIDNON	4	4	2,753	1,971
~		4	4	3,291	1,414
х	64 AGUSAN DEL SUR	2, (3)	8	4,168	1,341
XI	65 SURIGAO DEL SUR	2	5	4,384	1,071
XI	66 DAVAO ORIENTAL	2	7	1,461	1,341
XI	67 DAVAO DEL NORTE	2	4	2,117	1,341
	(0 DANKA O DET 1990	4	4	1,992	1,414 1,414
XI	68 DAVAO DEL SUR	4	5 5	1,992 1,992	1,414 2,489
XI XII	69 SOUTH COTABATO 70 LANAO DEL NORTE	4	5	2,044	1,845
XII	71 LANAO DEL NORTE	4	5	2,044	1,845
XII	12 NORTH COTABATO	: 4	5	1,942	1,845
XII	73 MAGUINDANAO	4	4	2,220	1,845
XII	74 SULTAN KDALAT	4	5	1,667	1,845

SPECIFIC DISCHARGE

egion	Province	Climate Type	Jap	Feb	Mar	Estimated Are	Specific Diz- May	harge (liv) Im	ec/m2) Jul	Aug	Sep	Oci	Nov	De
1	1 ILOCOS NORTE	1	48	33	35 35	29	51	74	192	288	256	160	106	58
I	2 ABRA	ı	48	35	35	29	51	74	192	288	256	160	106	51
I	3 ILOCOS SUR	1	45	33 31	33 31	27 25	48 45	69 64	180 168	270 252	240 224	150 140	59 92	54 54
I	4 MOUNTAIN PROVINCE	1 3	100	65	55	45	53	73	95	103	108	110	118	- m
I	5 LA UNION	ĩ	45	33	33	27	48	69	180	270	240	150	99	54
ī	6 BENGUET	1	53	39	39	32	56	81	210	315	280	175	116	6
I	7 PANGASINAN	1	41	30	30	24	43	62	162	243	216	135	89	4
n	8 BATANES	3	112 80	73 52	62 44	50 36	59 42	81 · 58	106 76	115 82	120 86	123 88	132 94	13:
n	9 CAGAYAN	4	80 80	63	53	45	55	n	73	70	73	98	108	8
п	10 KALINGA APAYAO	3, (1)	109	70	59	49	57	78	103	111	116	119	127	12
π	11 ISABELA	3	112	73	62	50	59	81	106	115	120	123	132	13:
_		4	90	70 101	59	50 70	62 82	81 113	81 148	78 160	81 168	109	120 163	93 183
п п	12 IFUOAO 13 NUEVA VISCAYA	3,(1) 3,(1)	156 88	57	86 48	40	46	64	84	90	95	97	103	10
п	14 QUIRINO	3	120	78	66	54	63	87	114	123	129	132	141	14
ш	IS NUEVA ECUA	1, (4)	29	21	21	17	30	44	114	171	152	95	63	3
		3	76	49	42	34	40	55	72	78 180	82 160	84 100	89 66	8 3
त्ता सा	16 TARLAC 17 ZAMBALES	1	30 51	22 37	22. 37	18 31	32 54	46 78	204	306	272	170	112	. 6
EU .	18 PAMPANGA	i	30	22	22	18	32	46	120	180	160	100	66	: 3
ELL .	19 BULACAN	1, (4)	32	23	23	19	34	48	. 126	189	168	105	69	3
Ш	20 BATAAN	1	39	25	29	23	42	60	156	234	208	130	86	4
IV.	21 AURORA	4 2	106	83	69	59	73 71	96 68	96 85	92 71	96 78	129 153	142 201	11 28
IV	22 QUEZON	3	204 136	170 88	112 75	82 61	71	59 99	129	139	145	150	160	16
		4	109	85	71	61	75	99	99	95	99	133	146	11
IV .	23 RIZAL	1, (4)	35	25	25	21	37	53	138	207	184	115	76	4
IV ·	24 CAVITE	1	42	31	31	25	45	64	168	252	224	140	92	5
IV.	25 LAGUNA	1	30	22	22	18 23	32 40	46 58	120 150	180 225	160 200	100 125	66 83	3
ſV	26 BATANGAS	1 3	38	28 65	28 55	45	53	73	95	103	108	110	118	11
īv	27 MARINDUQUE	4.	64	50	42	36	44	58	58	56	58	78	86	6
īv	28 ORIENTAL MINDORO	4, (1)	. 90	70	59	50	62	81	81	78	81	109	120	9
IV	29 OCCIDENTAL MINDORO	1, (4)	48	35	35	- 29	51	74	192	288	256	160	106	5
IV	30 ROMBLON	3	160	65 20	55 20	45	53 29	- 73 41	95 108	103 162	108 144	110 90	118 59	11 3
IV	31 PALAWAN	1 3	27	47	40	16 32	38	52	68	74	\ddot{n}	79	85	8
ν	32 CAMARINES NORTE	2	216	180	119	- 86	76	72	90	76	83	162	212	29
v	33 CAMARINES SUR	2	162	135	89	65	57	54	68	57	62	122	159	22
		4	86	68	57	49	59	78	78	76	78	105	116	9
Y.	34 CATANDUANES	2	198	165	109 92	79 67	69 59	66 56	83 70	69 59	76 64	149 126	- 195 165	27 23
v	35 ALBAY	2	168 80	140 63	. 53	45	55	73	73	70		98	108	
v	36 SORSOGON	2	180	150	59	72	63	60	75	63	69	135	177	24
Y	37 MASBATE	3	80	52	44	36	42	58	76	82	86	88	94	9
٧I	38 AKLAN	3	140	91	17	63	74	102	133	144	151	154	165	16
VI	39 CAPIZ	- 3	120	78	66	54 33	63 59	87 · 85	114 222	123 333	129 296	132 185	141 122	14
VI VI	40 ANTIQUE 41 ILOILO	1	56 41	41	41 30	24	43	62	162	243	216	135	89	4
· ·		3	108	70	59	49	57	78	103	111	116	119	127	12
VI	42 NEGROS OCCIDENTAL	1, (3)	. 39	29	29	. 23	42	60	156	234	208	130	86	4
vi	43 NEGROS DER NORTE	3	80	- 52	44	36	42	58	76	82	86	88 53	94 56	. 9 S
VII	44 CEBU 45 NEGROS ORIENTAL	3	48 53	31 39	26 39	22 32	25 56	35 81	46 210	49 315	52 280	175	116	6
чц	45 NEOROS ORIENTAL	3	88	57	48	40	46	64	84	90	95	97	103	10
VII	45 BOHOL	4	58	45	38	32	40	52	52	50	52	70	· 71	6
VII	47 SIQUUOR	3	60	39	33	27	32	44	57	62	65	66	71	1
лш	48 NORTHERN SAMAR	2,(4)	210	175	116	84	24	70	88	74	81	158	207	29
лш ПП	49 SAMAR	2, (4) 2	180 240	150 200	. 99 132	72 96	63 84	60 80	75 100	63 84	69 92	135 180	177 236	24 33
/III /III	50 EASTERN SAMAR 51 NORTHERN LEYTE	2	144	120	79	58	50	48	- 60	50	55	108	142	15
		4	77	60	50	43	53	70	70	67	70	94	103	ŧ
an a	52 SOUTHERN LEYTE	2	210	175	116	84	74	70	88	74	81	158	207	25
		4	80	63 28	53	45	55	- 73	73	70	23	98 130	108 141	8 14
IX	53 ZAMBOANGA DEL NORTE	3	120 80	78 63	66 53	54 45	63 55	87 73	114 73	123 70	129 73	132 98	141	14 E
IX	54 ZAMBOANGA DEL SUR	3	120	78	66	43 54	63	87	114	123	129	132	141	14
		4	96	25	63	54	66	87	87	84	87	117	129	10
IX	55 BASILAN	4	64	50	42	36	44	58	58	56	58	78	86	e
IX	56 SULU	4	67	53	44	38	46	61	61	59	61	82	90 90	1
IX ∶ ¥	57 TAWI TAWI	4	67 240	53 200	44 132	38 96	46 84	61 80	61 100	59 84	61 92	82 180	90 236	33
X X	58 SURIGAO DEL NORTE 59 CAMIGUIN	. 2	120	100	66	48	42	40	50	42	46	90	118	10
Â.	60 AGUSAN DER NORTE	2	138	115	76	55	48	46	58	48	53	104	136	15
x	61 MISAMIS ORIENTAL	2	150	125	83	60	53	50	63	53	58	113	148	20
.,	(A) 1 (B) 1	3	160	65	55	45	53	73	95	103	108	.110	118	11
X.	62 MISAMIS OCCIDENTAL	. 4	128	100 78	84 66	72 54	88 63	116 87	116 114	112 123	116 129	156 132	172 141	13 14
х	63 BUKIDNON	3	120	78	63	54 54	66 66	87	87	84	87	152	129	10
x	64 AGUSAN DEL SUR	2, (3)	252	210	139	101	88	84	105	58	97	189	248	34
XI	65 SURIGAO DEL SUR	2	270	225	149	108	95	90	113	95	104	203	266	37
XI	66 DAVAO ORIENTAL	2	150	125	83	60	. 53	50	63	53	58	113	148	. 20
XI	67 DAVAO DEL NORTE	2	126	105	69	50	44	42	53	44 56	48 58	95 78	124 86	17
хі	68 DAVAO DEL SUR	4	64 48	50 38	42 32	36 27	44	58 44	58 44	56 42	58 44	59	86 65	
л. ХІ	69 SOUTH COTABATO	. 4	48 64	38 50	42	36	44	58	58	56	58	: 78	86	-
XII	70 LANAO DEL NORTE	4	128	100	. 84	72	88	116	116	112	116	156	172	13
хл	71 LANAO DER SUR	4	` 90 '	70	59	50	62	81	81	78	81	109	120	. 1
хп	72 NORTH COTABATO	4	64	50	42	36	44	58	58	56	58	78	86	
	73 MAGUINDANAO	4	90 80	70 63	59 53	50 45	62 55	- 81 - 73	81 73	78 70	81 73	109 98	120 108	5
XII	74 SULTAN KDALAT	4		03		43			<u>, , , , , , , , , , , , , , , , , , , </u>	10	13	70	11/0	

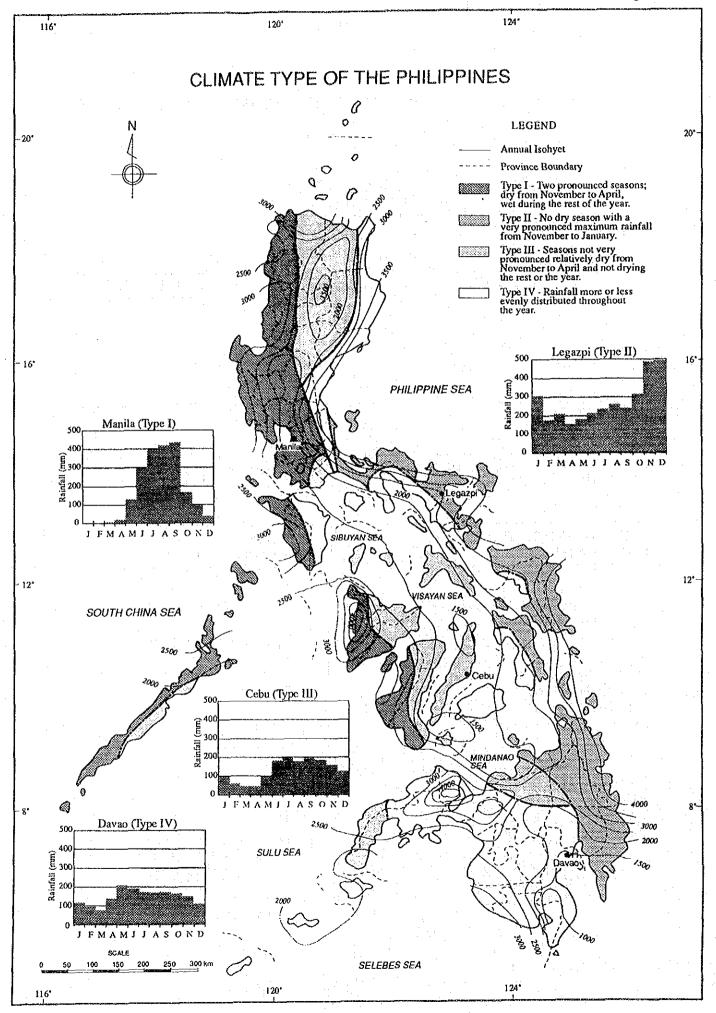
UNIT DIVERSION WATER REQUIREMENT

gion	Province	Clinate	Cropping Pattern	Jan	Feb	Mar	Att Att	May	nion Watta Jun	Requires Jul	nent (lit/st Aug	c/ha) Sep	Oct	Nov	1
 	1 ILOCOS NORTE	<u> </u>	7	Jan - 1.9	2.1	0.5	0.0	0.0	1.0	0,0	0,0	0.1	0.0	15	
i	2 ABRA	1 1	.7	1.9	2.0	0.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	- 14	
I	3 ILOCOS SUR	1	7	1.7	1.9 0.8	0.5 0.0	0.0 0.0	0.0 1.1	0.9	0.0	0.0 0.3	0.0 0.0	0.0	1.5 0.6	
I ·	4 MOUNTAIN PROVINCE	1.	5	1.7 0.5	0.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.9	0.0	
1	5 LA UNION	· 1 ·	8.	15	1.8	0.8	0.0	0.0	0.9	0.0	0.0	0.0	0.2	1.2	
ī	6 BENGUET	i	8	-1.1	1.2	0.5	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.0	
1	7 PANGASINAN	1	8	1.9	2.3	1.1	0.0	0.0	0.9	0.0	0.0	0.0 0.3	0.2	1.2	
11	8 BATANES	3.	8	0.7	1.1	0.7 0.9	0.0 0.0	0.0 0.0	1.1	0.3 0.5	0.3 -	0.8	0.1 0.1	1.0	
п	9 CAGAYAN	3	8	1.4 0.3	0.6	0.1	0.0	0.0	1.0	0.2	0.5	0.1	0.0	0.8	
a	10 KALINGA-APAYAO	3, (1)	Å.	1.3	0.4	0.0	0.0	1.5	0.5	0.6	0.4	0.0	0.9	0.0	
п П	11 ISABELA	3	S .	1.1	0.6	0.0	0.0	1.4	0.7	1.0	0.6	0.1	0.9	0.0	
	and the second second	4	5	.0.4	0.2	0.0	0.0	1.0	0.1	0.4	0.S 0.0	0.0 0.0	0.9 0.9	0.0 0.0	1
n	12 IFUGAO	3, (1)	4	0.5 1.3	0.2	0.0 0.0	0.0 0.0	1.0 1.1	0.0 0.7	0.0 0,4	0.1	0.0	0.9	0.1	
n n	13 NUEVA VISCAYA 14 QUIRINO	3,(1) 3	4	1.3	0.4	0.0	0.0	1.1	0.7	0.4	0.1	0.0	0.9	0.1	
ш	15 NUEVA ECUA	1, (4)	8	14	1.8	0.8	0.0	0.0	1.0	0.0	0,0	0,0	0.1	, 1.1 .	
	13 Roll With Basil	3	. 8	1.2	1.6	0.8	0.0	0.0	1.2	0.2	0.1	0,4	0.0	1.0	
ш	16 TARLAC	1	4	1.7	0.4	0.0	0.0	1.3	0.1	0.0	0.0	0.0	1.1	0.8	· · ·
п	17 ZAMBALES	1	8	1.6	2.0	0.9	0.0	0.0	. 8.0	0.0	0.0	0.0 0.1	0.0	1.2	
<u>п</u> .	18 PAMPANGA	1 .	6	1.6	1.6	0.0	0.0 0.0	0.0 0.0	0.9	0.0	0.0 0.0	0.0	0.0	13	
ПТ.	19 BULACAN	1,(4)	2	1.7	2.1 1.7	0.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	1.2	
Ш IV	20 BATAAN 21 AURORA	4 .	í	0.0	0.0	1.0	0.2	0.2	0.2	0.0	1.0	0.0	0.0	0.0	. (
v	22 QUEZON	2	4	0.1	0.1	0.0	0.0	1.6	0.4	0.5	0.4	0.0	0.8	0.0	
		3	. 4	1.0	0.3	0.0	0.0	1.6	0.6	0.5	0.5	0.0	0.9	0.0	1
	the second s	4	4	0.4	0.1	0.0	0.0	1.0	0.2	0.4	0.4	0.0	0.9	0.0	
Y	23 RIZAL	1, (4)	8	14	1.9	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.1	1.1	- 1
N.	24 CAVITE	1	7	15	1.8 1.9	6.S 0.9	0.0 0.0	0.0 0.0	1.0 1.0	0.1 0.1	0.2 0.3	0.0 0.2	0.0	1.0	
IV ∎v∵	25 LAGUNA 26 BATANGAS	1	8	. 1.3 1.4	1.9	0.9	0.0	0.0	1.0	0.1	0.3	0.1	0.1	1.1	
IV	AU DATAINJA?	-3	8	0.9	1.5	0.9	0.0	0.0	1.1	0.3	0.6	0.2	0.0	0.9	Ċ,
IV .	27 MARINDUQUE	4	°,	1.0	1.0	0.2	0.0	0.0	1.1	0.5	0.3	0.4	0.0	1.0	;
IV I	28 ORIENTAL MINDORO	4, (1)	δ	0.7	0.9	0,0	0.0	0.0	1.1	0.4	0.5	0.3	0.0	0.9	
IV :	29 OCCIDENTAL MINDORO	1, (4)	9	1.6	2.5	2.7	0.6	0.0	0.0	0.9	0.0	0.0	0.5	0.0	÷
IV (30 ROMBLON	3	8	1,0	1.6	8.0	0.0	0.0	1.1	0.2	0.5	0.4	0.0	1.0	
IV	31 PALAWAN	1 .	7	1.8	2.4	0.6 0.4	0.0 0.0	0.0 0.0	1.3 1.2	0.6 0.3	0.9 0.5	0.4	0.0	. 1.0	
υ.	32 CAMARINES NORTE	3	Ś	1.0 0.1	1.5	0.4	0.0	1.3	0.5	0.5	0.3	0.0	0.8	0.0	Ì
γ. v	33 CAMARENES SUR	2	- 4	0.9	0.3	0.0	0.0	1.6	0.4	0.2	02	0.0	0.9	0.0	i
•	55 CAMBRICE (D) OOK	4	4	1.0	0.2	0.0	0.0	1.4	0,4	0.6	0.2	0.0	1.0	0.1	- (
v	34 CATANDUANES	2	4	0.4	0.2	0.0	0.0	1.3	0.4	0.5	0.5	0.0	0.9	0.0	(
٧	35 ALBAY	2	4	0,8	0.3	0.0	0.0	1.4	0.3	0.1	0.1	0.0	0.9	0.0	
		. 4	4	1.0	0.2	0,0	0.0	1.4	0.4	0,6	0.2	0.0	1.0	0.1	
Ύ''	36 SORSOGON	2	4	0,6	0.2	0.0	0.0	1.5	0.8	0.3	0,3	0.0	0.9	0.0	
<u>v</u>	37 MASBATE	3	?	0.7 0,3	1.4 0.2	0.4 0.0	0.0 0.0	0.0 1.4	1.4 0.3	0.6 0.2	0.7	0.5 0.0	0.0 0.9	1.0 0.0	· (
VI VI	38 AKLAN 39 CAPIZ	3	4 5	0,3	0.5	0.0	0.0	1.3	0.2	0.4	0.5	0.1	1.0	0.0	i
VI .	40 ANTIQUE	1	5	1.2	0.7	0.0	0.0	1.1	0.6	0.0	0.0	0.0	0.9	0.0	
vi	41 1.01.0	1 ·	s	1.3	0.7	0.0	0.0	1.4	0.1	0.2	0.3	0.0	1.0	0.3	1
••		3	s	0.9	0.6	0.0	0,0	1.4	02	0.3	0.3	0.0	1.0	0.0	
VI	42 NEGROS OCCIDENTAL	1, (3)	4	1.2	0.3	0.0	0.0	1.2	0.1 ···	0.1	0.2	0.0	1.0	0.1	. 1
VI ·	43 NEGROS DER NORTE	3	8	1.1	1.5	0.7	0.0	0.0	1.2	0.4	0.8	0.6	0.2	- 1.1	<u>ا ان</u>
ЧП	44 CEBU	3	3	0.5	0.0	0.0	1.6	1.2	0.8	0.7	0.2	1.0	0.4	0.8	
/Π	45 NEGROS ORIENTAL	3	5	1.2	0.6 0.7	0,0	0.0 0.0	1.2 1.5	0.0	0.0 1.0	0.0 1.2	0.0 0.2	0.9 1.1	0.0 0.4	1
л	45 BOHOL	4	5 8	1.3	0.7	0.5	0.0	0.0	1.2	0.4	0.7	0.4	0.1	1.0	i
111	47 SIQUIJOR	3	8	1.1	1.5	0.7	0.0	0.0	1.2	0.4	0.8	0.6	0.2	1.1	- 1
ш.	48 NORTHERN SAMAR	2. (4)	5	0.0	0.0	0.0	0.0	1.2	0.4	0.5	0.8	0.1	0.9	0.0	. (
	49 SAMAR	2, (4)	3	0.0	0.0	0.0	1.3	0.5	0.6	0.5	0.1	1.0	0.0	0.0	
Ш	SO EASTERN SAMAR	2	. 5	0.0	0.0	0.0	0.0	1.1	0.4	0.5	0.7	0.1	0.9	0.0	
ш	51 NORTHERN LEYTE	2	8	0.0	0.3	0.3	0.0	0.0	12	0.6	1.0	1.0	0.1 :	1.0	
	O CONTRACTOR	4	8	: 0.2	0.9	0.5	0.0	0.0	1.0	0.1	0.4	0.3	0.0	1.0	
Ш	52 SOUTHERN LEYTE	2	8	0.0	0.0	0.0	0.0	0.0 0.0	1.2	ù.S 0.1	1.0 0.4	0.6 0.5	0.1	0.8 0.9	
x	53 ZAMBOANGA DEL NORTE	4.3	8	0.1 1.4	0.4	0,0	0.0 0.0	1.1	0.2	0.1	0.2	0.0	0.9	0.9	
	country of the month	4	4	0.6	0.3 0.3	0.0	0.0	1.2	0.0	0.2	0.3	0.0	0.9	0.0	Ì
х	54 ZAMBOANGA DEL SUR	3	5	1.5	0.7	0.0	0.0	1.5	0.9	1.1	1.1	0.2	- 1.1	0.8	
		4	5	0.8	0.4	0.0	0.0	1.0	0.0	0.1	0.0	0.0	0.9	0.0	
x	55 BASILAN	4	2	0.0	0.0	0.0	1.8	1.4	1.2	0.8	0.0	14	0.8	. 1.1	÷
x	SC SULU	4	2	0.0	0.0	0.0	1.9	1.0	0.9	0.7	0.0	1.4	0.7	0.9	2.4
x	57 TAWI TAWI	4 2	2 5	0.0	0.0	0.0	1.9	1.0	0.9	0.7	0.0	1.4 0.1	0.7	0.9 0.0	
X X	58 SURIGAO DEL NORTE 59 CAMIGUIN	2	5	0.0 0.2	0.0	0.0 0.0	0.0 0.0	1.1 1.3	0.5 0.4	0.5	0.6 0.6	0.1 0.1	0.9	0.0	. (
x	60 AGUSAN DER NORTE	2	7	0.2	0.0	0.0	0.0	0.0	1.2	0.5	0.5	0.5	0.0	1.0	_ i
x	61 MISAMIS ORIENTAL	2	8	0.1	0.0	0.1	0.0	0.0	1.1	0.4	0.6	0.6	0.1	1.0	
		. 3	8	1.2	1.7	0.9	0.0	0.0	1.0	0.2	0.4	0.4	6.1	1.1	. (
x	62 MISAMIS OCCIDENTAL	4	5	0.0	0.1	0.0	0.0	1.1	0.0	0.2	0.1	0.0	0.9	0.0	÷ (
ĸ	63 BUKIDNON	3	4	1.0	0.2	0.0	0.0	1.1	0.0	0.1	0.1	0.0	1.0	0.2	~ 2
	A ACTICATION STO	4	4	0.0	0.0	0.0	0.0	09	0.0	0.0	0.0	0.0	1.0	0.4	
K (T	64 AGUSAN DEL SUR 65 SURIGAO DEL SUR	2,(3) 2	8	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	1.1 0.0	0.0 0.2	: 0.6 0.3	0.0 0.0	0.0	0.8 0.0	. 1
	66 DAVAO ORIENTAL	2	7	0.0	0.0	0.0	0.0	0.9	1.3	0.2	0.3	0.0	0.0	1.2	
1	67 DAVAO DEL NORTE	2	4	0.6	0.1	0.2	0.0	1.1	0.1	0.5	0.4	0.0	1.1	0.2	i
		4 ·	4	0.8	0.1	0.0	0.0	1.0	0.1	0.6	0.3	0.0	1,1	0.4	1
a .	68 DAVAO DEL SUR	4	5	0.9	0.3	0.0	0.0	1.0	0.0	0.6	0.4	0.1	1.0	0.3	
ii -	69 SOUTH COTABATO	4	5	1.7	0.6	0.0	0.0	1.2	0.6	1.2	1.1	0.2	1.2	, 0.8	2
II ·	70 LANÃO DEL NORTE	4	: 5	0.6	0.3	0.0	0.0	13	0.6	0.7	0.7	0.2	1.1	0.0	į
п	71 LANAO DER SUR	4	5	0.6	0.3	0.0	0.0	1.3	0.5	0.7	0.7	0.2	1.1	0.0	21
П	72 NORTH COTABATO	4	5	1.2	0.5	0.0	0.0	1.1	0.2	0.7	0,8	0.2	1.0	0.3	
11 17	73 MAGUINDANAO	4 4	4 ' 5	1.4	0.3	0.0	0.0 0.0	1.0	0.3	0.3 0.6	0.2 0.7	0.0	1.0	0.5	
1	74 SULTAN KDALA'I	<u> </u>		1.4	0.6	0.0	0.0	1	0.2	0.6	0.7	0.2	1.1	0.0	<u> </u>

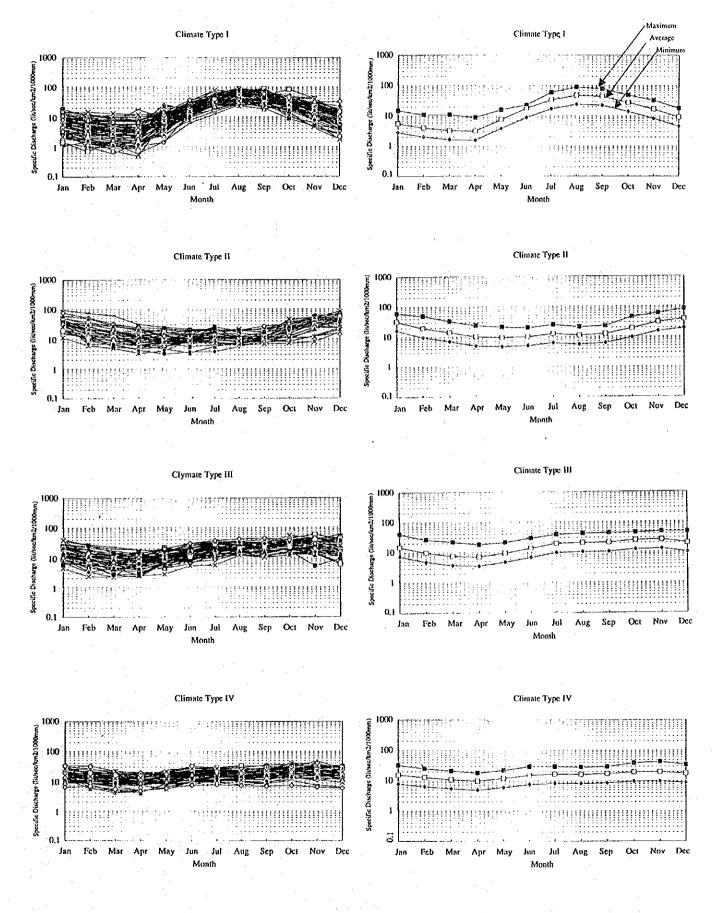


WORK FLOW FOR CROSS-CHECKING OF DESIGNED IRRIGABLE AREAS

Fig. B3-02



SPECIFIC DISCHARGE

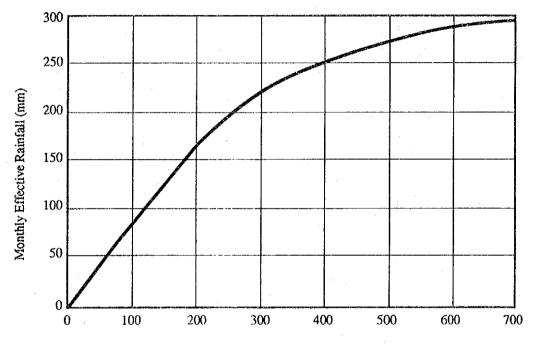


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PROPOSED PADDY CROPPING PATTERN

B3 - 14

Fig. B3-04



Monthly Rainfall (mm)

EFFECTIVE RAINFALL CURVE

ANNEX C

ADDITIONAL INVENTORY SURVEY

,

ANNEX C-1

QUESTIONNAIRES FOR ADDITIONAL INVENTORY SURVEY

Table of Contents

Page

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2.	Additional Questionnaire for Inventory Survey (Existing Project)	C1-5
3.	Additional Questionnaire for Inventory Survey (New Project)	C1-9
4.	Questionnaire on Average Prices of Major Works (Pacquiao Contract Base)	C1-12
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) THE MASTER PLAN STUDY

ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT (SSIDP)

INSTRUCTION FOR ANSWERING QUESTIONNAIRE FOR ADDITIONAL INVENTORY SURVEY

I. Objectives

Questionnaires distributed to PIOs in the middle of August, 1990 were finally returned from all the PIOs on December 3, 1990. The JICA Study Team conducted various analysises of the collected data during three months from December 1990 to February 1991, and found that basic data required for formulation of 10-year development plan are lacking in answers of the filled-out questionnaires although they are supposed to be available at PIOs.

The JICA Study Team and NIA discussed the above problem on February 25, 1991 and have agreed that an additional inventory survey will be conducted by NIA from March to May in 1991 on the basis of the questionnaires to be prepared by the JICA Study Team. There are the following three kinds of questionnaires:

(1) Additional questionnaires for CISs requiring rehabilitation/improvement works.

- (2) Additional questionnaires for CIPs which have feasibility studies.
- (3) Questionnaires on (i) prices of materials and labour wages and (ii) unit prices of major works. (Each one set for every PIO)

II. Sub-Projects for Additional Inventory Survey

The number of sub-projects for the master plan study is 3,889 in total (CISs: 2,423, CIPs: 1,466). Out of these sub-projects, 967 sub-projects (CISs: 763, CIPs: 204) are selected for additional inventory survey, considering adequacy of designed irrigable area, necessity of rehabilitation/ improvement works for CISs and availability of feasibility study for CIPs. The number of sub-projects in each PIO for additional inventory survey is shown in Table 1 and the sub-project names of each province are shown in the attached lists.

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III. Work Schedule for Additional Inventory Survey

All the PIEs are kindly requested to fill the questionnaires and submit the filled-out questionnaires to NIA Central Office through NIA Regional Office with the following address and schedule.

(1) Address:

TO:

The Administrator National Irrigation Administration EDSA, Diliman, Quezon City

> Attention: Mr. Calixto P. Timonera NIA Counterpart Team Leader for SSIDP

(2) Schedule:

Filled-out questionnaires:

to the Regional Office not later than April 30, 1991

to the Central office not later than May 10, 1991

IV. Additional Questionnaires and Appurtement Documents

Before answering additional questionnaires, all the PIEs are requested to check availability of documents for additional inventory survey and to read instructions for answering additional questionnaires. A list of distributed documents is shown below and the instructions for answering are given in the following clause.

List of Documents for Additional Inventory Survey

		:	and the second second		et en
(1)	Instruction for answering questionnaires			:	1 set
(2)	List of sub-projects (CISs) for additional	inventory su	rvey	:	1 set
(3)	List of sub-projects (CIPs) for additional	inventory su	rvey	:	1 set
(4)	Additional questionnaires for CISs			:	As specified in Table 1
(5)	Additional questionnaires for CIPs			:	As specified in Table 1
(6)	Questionnaires for average prices of mate labour wages	rials and		•	1 sheet
(7)	Questionnaires for average unit prices of major works			:	1 sheet
(8)	Sample answers of (4), (5), (6) and (7)			:	1 set

V. General Instructions

- (1) Kindly answer all the questions in accordance with the instruction and sample answers.
- (2) Where the question has parenthesis, please fill the appropriate spaces with check mark " $\sqrt{}$ ".

(3) On descriptive questions, please write legibly in block letters and briefly within 30 letters.

- (4) Where the answer is in number, please confirm necessity of a decimal point according to the sample answer. If decimal point is used in the sample answer, write the numbers (figures) using decimal point. (Whenever decimal point is used in the answer, two decimal digits are required. For example: 2.00, 3.92 and 45.32)
- (5) Where the answer is in peso, please remove centavos except for unit prices of major works and prices of materials and labour wages.

(good)	(bad)
₽4530	₽4530.21
₽65	₽65.00

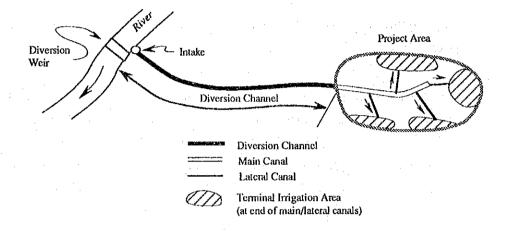
(6) Where the answer is in number or in peso, please don't use comma (,) in every three digits.

(good)	(bad)	
5897490 ₽58265400	5,897,490 ₽8,265,400	

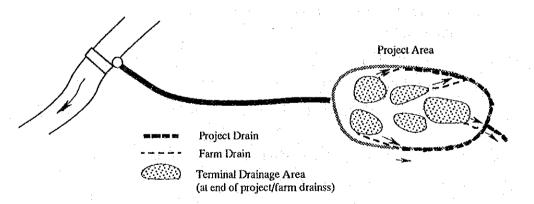
- (7) Where the question is inappropriate, please write "NA" which means "not applicable" in the answer space.
- (8) Where answers are not available, please write "NDA" which means "no data are available" in the answer space.

VI. Specific Instructions

- (1) Firstly fill name and scheme no. of sub-projects as shown in the attached lists.
- (2) "Diversion channel" used in the questionnaires means irrigation canal conveying irrigation water from a diversion weir to an entrance of the project area as shown below



- (3) "Terminal Irrigation Area" means irrigation area at the end of main/lateral canals as shown above.
- (4) "Terminal Drainage Area" means drainage area at the end of project/farm drains as shown below.



Page No. 1 of 4

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE MASTER PLAN STUDY

ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT

Additional Questionnaire for Inventory Survey (Existing Project)

Notes:

1. Where the question has parenthesis, write the number or fill the appropriate spaces with " $\sqrt{}$ ".

2. For doubtful points, if any, please see the attached answer sample.

Name of Project:	
Name of Responsible PIO:	· · · · · · · · · · · · · · · · · · ·
Filled by:	

1. Project History

- (a) The existing facilities of the project were constructed in <u>19</u>.
- (b) Were these facilities rehabilitated after the completion?
 - () Yes; (c) The latest rehabilitation was made in <u>19</u>.
 - () No

2. Irrigated Area of the Project

Actually Irrigated Area at Present (without Rehabilitation):

- (a) Wet season paddy: <u>ha</u>
- (b) Dry season paddy: ha

Expected Irrigated Area (with Rehabilitation):

- (c) Wet season paddy: ha
- (d) Dry season paddy: <u>ha</u>
- 3. Irrigators' Association (IA)
 - (a) Is there the existing IA?:
 - () Yes
 - () No

C1 - 5

ha

%

m

m

Did the IA repay the loan in the past 5 years?: (b) () Yes () No Did the IA collect the O/M fee other than amortizing fee in the past 5 years?: (c) () Yes () No Did the O/M fee annually increase in the past 5 years?: (d) () Yes) No (4. CARP What is an area eligible for distribution under CARP?: (a) What is a status of issuance of emancipation patents?: (b) Existing Facilities of the Project 5. (If there are the following facilities in the project area, please fill the relevant space.) Diversion weir: River width at diversion weir: (a) Material of the weir: () Concrete) Masonry () Others (Total length of the weir: m = (1) + (2)Total length: (b) Diversion channel; Earth canal: $\underline{m} = (1)$ (Diversion channel is an (excluding lined canal) irrigation canal conveying Lined canal: irrigation water from diver- $\underline{m} = (2)$ sion weir to an entrance of the project area.) Main/lateral canals; Total length: m = (3) + (4)(c) (excluding diversion Earth canal: $\underline{m} = (3)$ channel) (excluding lined canal) Lined canal: m = (4)Total length: (d) Field ditches; _____ m (e) Project/farm drains; Total length: m Drainage ditches; Total length: (f) m Farm road; Total length: m (g) (h) Access road; Total length: m Total length: Flood protection dike; m (i) C1 - 6

Page No. 3 of 4

6. Necessity of the Rehabilitation

- (a) Does this project require the rehabilitation now?:
 - () Yes
 - () No
- (b) What is the project preparation stage for the rehabilitation?:
 - () No feasibility study for the rehabilitation was made.
 - () Feasibility study for the rehabilitation was completed in <u>19</u>.
 - () Design for the rehabilitation was completed in <u>19</u>. (Ready for construction
- (c) How is the endorsement of the rehabilitation by IA members?:
 - () 100 80%
 - () 80 60%
 - () 60 40%
 - () Below 40%

7. Damage by Natural Disasters

- (a) Were the existing facilities damaged by natural disasters (typhoon, flood, earthquake, etc.) in the past 5 years?:
 - () Yes
 - () No
- (b) Do the facilities damaged by natural disasters require the rehabilitation?:
 - () Yes
 - () No

8. Facilities to be Rehabilitated and the Rehabilitation Costs

What facilities require the rehabilitation work and how much is the rehabilitation costs? (Please put the check mark " $\sqrt{}$ " in the parenthesis of the relevant facilities requiring the rehabilitation, and write length and number of facilities to be rehabilitated and rehabilitation costs in the space.)

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Page No. 4 of 4

		Facilities	Length &No. of Facilities to be Rehabilitated (m)	Rehabilitation Costs (Peso)
	(a)	() Diversion weir;	<u>m</u>	<u>P</u>
		Materials of the weir to be rehabilitate	d	
		() Concrete	·	
		() Masonry		· .
		() Others		
	(b)	() Intake		<u>₽</u>
	(c)	Diversion channel with structures (Diversion	on channel is an irrigat	tion canal
		conveying irrigation water from diversion v	veir to an entrance of	the project
		area.)		
		() Earth canal;	<u> </u>	<u>P</u>
		() Lined canal;	<u> </u>	<u>P</u>
	(d)	Main/lateral canals with structures excludin	g diversion channel	. •
		() Earth canal;	<u> </u>	<u>₽</u>
		() Lined canal;	m, nos.	₽
	(e)	() Field ditches with structures;	<u> </u>	P
	(f)	() Project/farm drains with structures;	m, <u>nos</u> ,	₽
	(g)	() Drainage ditches with structures;		P
	(h)	() Farm road with structures;	m, nos.	₽
	(i)	() Access road with structures;	<u> </u>	₽
	(j)	() Flood protection dike with structures;	· · · ·	P
	(k)	Overhead		₽
	(l)	Project cost $(a + b + c + \dots + k)$		₽
	(m)	The above costs were estimated in <u>19</u> .		
	()			
9.	Cron	Yields		
/		ent (without the rehabilitation)		
	(a)		on/ha	
	(b)		on/ha	
	• •	osed (with the rehabilitation)		
	(c)		on/ha	
	(d)		on/ha	
	(**)			
10.	EIRI	R for the Rehabilitation		
10,	(a)	EIRR: <u>%</u> estimated in <u>19</u> .	· .	
	(4)	Contraction of the second seco		

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Page No. 1 of 3

<u>ha</u> %

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE MASTER PLAN STUDY

ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT

Additional Questionnaire for Inventory Survey (New Project)

Notes:

- 1. Where the question has parenthesis, write the number or fill the appropriate spaces with " $\sqrt{}$ ".
- 2. For doubtful points, if any, please see the attached answer sample.

Name of Project:

1. Project Preparation Stage

- () No feasibility study or planning was made.
- () Feasibility study was made in <u>19</u>.
- () Design was made in <u>19</u>. (Ready for construction.)
- 2. Irrigators' Association (IA)
 - (a) Is there the existing IA?:
 - () Yes
 - () No
 - (b) How is the endorsement of the project?:
 - () 100 80%
 - () 80 60%
 - () 60 40%
 - () Below 40%
- 3. <u>CARP</u>
 - (a) What is an area eligible for distribution under CARP?:
 - (b) What is a status of issuance of emancipation patents?:

	osed Facilities to be Newly Constructed Und	er the Project and the	Project Cos
	ase fill the space relevant.)	0	n
(a)	Diversion weir with intake:		¥-
	River width at diversion weir:m		
	Material of the weir: () Concrete		
	() Masonry		
	() Others		
	Total length of the weir:m		
(b)	Diversion channel with structures		
	(Diversion channel is an irrigation canal from	m diversion weir to an	entrance of
	the project area.)		
	Total length of earth canal:m,	Construction Cost:	₽
	(excluding lined canal)		
	Total length of lined canal:m,	Construction Cost:	<u>P</u>
(c)	Main/lateral canals with structures	• •	
	(excluding diversion channel)	· · · ·	
	Total length of earth canal:m,	Construction Cost:	₽
	(excluding lined canal)		
	Total length of lined canal:m,	Construction Cost:	<u>p</u>
(d)	Field ditches with structures	the state of the	
	Total length:m,	Construction Cost:	₽
(e)	Project/farm drains with structures		
	Total length:m,	Construction Cost:	<u>P</u>
(f)	Drainage ditches with structures		
	Total length:m,	Construction Cost:	<u>p</u>
(g)	Farm road with structures		:
	Total length:m,	Construction Cost:	₽
(h)	Access road with structures		н. Т
	Total length:m,	Construction Cost:	<u>P</u>
(i)	Flood protection dike with structures		
	Total length:m,	Construction Cost:	₽
(j)	Overhead:		₽
(k)	Project Cost $(a + b + c + \dots + j)$:		£
(1)	The above costs wre estimated in <u>19</u> .		

- 5. <u>Terminal Irrigation/Drainage Areas</u> (See VI Specific Instructions (2) & (4))
 - (a) What is the minimum terminal irrigation area at the end of main/lateral canals?: <u>ha</u>
 - (b) What is the minimum terminal drainage area at the end of project/farm drains?:
- 6. Farm Road
 - (a) Is main canal provided with farm road?
 - () Yes; Width of the road: ______m
 - () No
 - (b) Is project drain provided with farm road?
 - () Yes; Width of the road: ______ m
 - () No
- 7. Crop Yields

Present 1997

(a)	Wet season paddy:	ton/ha
(b)	Dry season paddy:	ton/ha
Prop	osed	
(c)	Wet season paddy:	ton/ha
(d)	Dry season paddy:	ton/ha

8. Economic Internal Rate of Return (EIRR) for the Project

(a) EIRR: <u>%</u> estimated in <u>19</u>.

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) THE MASTER PLAN STUDY

ON

THE SMALL SCALE IRRIGATION DEVELOPMENT PROJECT

Questionnaire on Average Prices of Major Works (Pacquiao Contract Base)

Note	:	Please answer this questionnaire by every PIO, using the lates provincial average rate at construction site.	t
Name of PIO	:		
Filled by	:		

	(As of (month),	(year))	(Unit : Peso)
	Items	Unit		Unit Price
1.	Excavation for common soil (excluding di	sposal)		· · · · · · · · · · · · · · · · · · ·
	- Excavation by man-power	m ³		1
	- Excavation by construction equipment	m ³		
2.	Embankment for common soil (excluding	hauling)	1	
	 Embankment with excavated materials by man-power 	m ³		
	- Embankment with excavated materials by Construction equipment	m ³	.'	· · · · · · · · · · · · · · · · · · ·
3.	Concrete work by postable minor			
5.	Concrete work by portable mixer	2		
	- Concrete (1:2:4)/Class A	m ³		<u></u>
	 Concrete (1:3:6)/Class B Concrete (1:4:8)/Class C 	m ³ m ³		······
4.	Wooden form work	m ³		
5.	Reinforcemenr bar work	ton		
6.	Concrete pipe work			a da anti- Anti-Anti-Anti-Anti-Anti-Anti-Anti-Anti-
	- Dia. 300 mm	m		· · · · · · · · · · · · · · · · · · ·
	- Dia. 450 mm	m		
	- Dia. 600 mm	m		
	- Dia. 800 mm	m		
	- Dia. 1,000 mm	m		· · · · · · · · · · · · · · · · · · ·
	- Dia. 1,200 mm	m		

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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) THE MASTER PLAN STUDY

ON

THE SMALL SCALE IRRIGATION DEVELOPMENT PROJECT

Questionnaire on Average Prices of Materials and Labour Wages

Note	:	Please answer this questionnaire by every PIO, using the latest provincial average rate at construction site.
Name of PIO	:	
Filled by	:	······································

	(As of (month)	, (year))	(Unit : Peso)
	Items	Unit	Price
1.	Materials	-	······
	- Gravel	m ³	WH & West
	- Sand	m ³	
	- Ordinary Portland sement	ton	
		or bag	and an
	- Timber for form	m ³	
		or bd.ft	
	- Reinforcement bar	ton	<u></u>
2.	Fuel		
	- Gasoline	lit	· · · · · · · · · · · · · · · · · · ·
·	- Lubricating oil	lit	
	- Diesel engine oil	lit	
	- Grease	lit	
3.	Labour		
	- Foreman	Man-day	· · · · · · · · · · · · · · · · · · ·
	- Common Labour	Man-day	
	- Concrete worker/Mason	Man-day	
	- Carpenter	Man-day	
÷.,	- Welder	Man-day	· · · ·
	- Equipment operator	Man-day	
	- Driver	Man-day	

ANNEX C-2

OVERVIEW OF SURVEY RESULTS

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NUMBERS OF SUB-PROJECTS FOR ADDITIONAL INVENTORY SURVEY

		Candidate Sub-Projects for SSIDP				Sub-Projects for Additional Inventory Surve			Sub-Projects wi Returned as of June 15, 1991	
Region	Province	CIS5 (1)	CIPs	Total (3) = (1) + (2)	CISs	CIPs	Total	C1Ss	CIPs	Total
	1 ILOCOS NORTE	119	<u>(3)</u> 0	(3) = (4) + (2) 119	<u>(4)</u> 43	0	(6) = (4) + (5) 43	(7) 	(8)	<u>(9) = (7) + (8)</u> 43
	2 ABRA	37	17	54	7	1	8	7	1	8
	3 ILOCOS SUR 4 MOUNTAIN PROVINCE	70 8	51 44	121 52	5	11 6	16 12	5 6	11 6	16 12
	5 LA UNION	39	27	66	26	ĭ	27	26	i	27
	6 BENGUET	9	42	51	6	6	12	6	6	12
	7 PANGASINAN Sub-total	178 460	3 184	644	<u>2</u> 95	1	<u>3</u> 12i	2		3
	8 BATANES	0	0	0		26	0		26	
	9 CAGAYAN	105	66	171 .	48	1	49	48	1	49
	10 KALINGA APAYAO	64	43	107	0	3	3	:	3	3
	11 ISABELA 12 IFUGAO	47 35	44 46	91 81	1 25	2 3	3 28	1 23	2 3	3 26
	13 NUEVA VISCAYA	131	13	144	42	ō	42	42		42
	14 QUIRINO	29	41		18	2	20	18	2	20
	sub-lotal	411	253	664	134	<u> </u>	[45	132	11	143
	15 NUEVA ECUA 16 TARLAC	43 36	1 3	44 39	4 12	0	4 12	4	-	4
	17 ZAMBALES	10	ō	10	0	0 .	0	-	-	
	18 PAMPANGA	73	20	93	. 0	0	0		-	
	19 BULACAN	18	4	22	0	0	0	•	-	-
	20 BATAAN sub-total	30 210	0 28	30 238	16	0	0 16	4	0	4
IV	21 AURORA	39	10	49	13	······	16	13	1	4
;	22 QUEZON	38	16	54	3	4	7	3	3	6
	23 RIZAL	19	1	20	1	0	I	•	-	-
	24 CAVITE 25 LAGUNA	5 25	6 2	11 27	0	3 0	3 0	•	3	3
	26 BATANGAS	25	21	43	0	0	0	•	-	-
	27 MARINDUQUE	5	0	5	4	ŏ	4	4	-	4
	28 MINDORO ORIENTAL	48	18	66	13	ł	14	0	0	0
	29 MINDORO OCCIDENTAL	54	15	69	0	0	0.	:		-
	30 ROMBLON 31 PALAWAN	2 41	· 2 96	4 137	2	1 13	3 22	2 9	1	3 22
÷	sub-total	298	187	485	45	23	68	31	21	52
	32 CAMARINES NORTE	18	63	81	12	10	22	12	10	22
	33 CAMARINES SUR	95	30	126	22	10	32	0	0	0
	34 CATANDUANES 35 ALBAY	9 78	1 48	10 126	1	0 3	1 4	1	- 3	1 3
	36 SORSOGON	34	7	41	27	5	32	27	ŝ	32
	37 MASBATE	19	8	27	4	1	5	4	1	5
	sub-total	254		411	67	29	96	41	19	63
	38 AKLAN 39 CAPIZ	14 12	2 10	16 22	0	2 0	13 0	0	0	0
	40 ANTIQUE	41	19	60	31	4	35	30	4	34
· 4	41 ILOILO	34	3	37	16	1	17	16	1	17
	42 NEGROS OCCIDENTAL	17	34	51	2	10	12	2	10	12
-	43 NEGROS DEL NORTE sub-total	0 118	0 68	0 186	0 60	0	0 77	48	15	63
VII	44 CEBU	11	5	16	4	1	5	4	<u>#y</u> 1	5
	45 NEGROS ORIENTAL	26	14	40	15	13	28	15	13	28
	46 BOHOL	39	0	39	11	0	11	0	-	0
	47 SIQUUOR sub-toisi	0 76	4	4	0 30	2	2 46	19	<u> </u>	2 35
VIII	48 NORTHERN SAMAR	13	40	53	3	3	6	3	3	6
4	49 SAMAR	10	19	29	9	3	12	0	O	0
	50 EASTERN SAMAR	2	12	14	1	3	4	1	3	4
	SI NORTHERN LEYTE	20	43 4	24	88 15	3	91	88 15	3	91 18
	sub-total	146	118	264	116	15	131	107	12	119
	53 ZAMBOANGA DEL NORTE	15	13	28	12	4	16	12	4	16
	54 ZAMBOANGA DEL SUR	51	19	70	1	0	1	1	-	1
	55 BASILAN 56 SULU	2 0	0	2	0	0	0		•	•
	57 TAWI-TAWI	õ.	4	4	õ	ŏ	ő	-		
	sub-totai	68	40	108	13	4	17	13	4	17
	58 SURIGAO DEL NORTE	22	19	41	6	2	8	6	2	8
	59 CAMIGUIN	3	0	3 67	3 25	0 6	3 31	3	2	2
	50 AGUSAN DEL NORTE 51 MISAMIS ORIENTAL	43 16	24 13	67 29	25	5	31	23 5	6 5	29 10
	62 MISAMIS OCCIDENTAL	20	3	23	16	Ō	16	16	·	16
e	63 BUKIDNON	31	41	72	17	11	28	17	10	27
	64 AGUSAN DEL SUR	16	26	42	9	7	16	9	7	16
XI 6	sub-total 65 SURIGAO DEL SUR	151 22	126 17	277	<u>81</u> 22	31	25	79 22	<u> </u>	109
	66 DAVAO ORIENTAL	12	14	26	3	2	5	3	2	5
. 6	67 DAVAO DEL NORTE	15	. 9	24	• 3	2	5	3	2	5
	68 DAVAO DEL SUR	32	7	39	5	3	8	5	3	B
_6	59 SOUTH COTABATO sub-total	31	<u>25</u> 72	56 184	<u>24</u> 57	3	<u>27</u> 70	24 57	<u>3</u> 13	27 70
XU 7	70 LANAO DEL NORTE	20	22	42	<u> </u>	4	5	5/		
	71 LANAO DEL SUR	10	29	39	1	3	4		-	-
. 7	72 NORTH COTABATO	24	77	101	12	0	12	12	-	12
7	73 MAGUINDANAO	43 22	58 24	101 46	21	3	24 23	21 13	3 9	24 22
				an				15	ų	
	74 SULTAN KUDARAT sub-total	119	210	329	49	- [9	68	46	12	58

YEAR AFTER COMPLETION OF CONSTRUCTION FOR ALL CISS

				0 <u></u>				Nos. of C	188						(Unit :) Designed Irrig
gion		Province	1 yr.	2 yr.	3 yr	4 yr			7 yr.	8 yr.	9 yr.	Over 10 yr.	Unknown	Total	Area (ha)
ī		ILOCOS NORTE	0	0		>	0			0		42	0	43	5,6
		ABRA	1	1	(0			· · 0	2	1	Q 0	7	1,0
		ILOCOS SUR	0	0 4			0			ů 0	ŏ	0	ő	6	7
- 1	4		0	0) <u>1</u>	ĭ	2		0	0	18	. 0	26	3,3
		BENGUET	1	0	;	1	0	0		1	0	2	0	. 6	3
		PANGASENAN	0	0			0				and the second s	2		2 95	2
		Sub-total	3	<u> </u>		<u> </u>	1	2			3	70	0		
П		BATANES	0	0		0 C	0			ĩ	Ő	47	Ō	48	6,9
		CAGAYAN KALINGA APAYAO	0	0			0			0	0	0	0	Û	
		ISABELA	ě	õ	. i		0			0	- 1	0	0	1	1
		TFUGAO	0	0		0 - 0	3			0	4	16	0	23	1.8
	13	NUEVA VISCAYA	0	0		0 0	0		0	1	3	38 13	0	42	5,4
	14	QUIRINO	0	0						3	10	114	0	132	16,5
ш	16	AUD-IOLA	0	0) <u>0</u>) U	<u> </u>		, 0	0		4	0	4	1.0
ш		TARLAC	ě	õ		5 0	0			. 0		0	0	0	
1		ZAMBALES	. 0	0	i	y 0	0	0) ()	0	0	0	Q	0	
		PAMPANOA	0	0	•	9. O	0			0		0	• 0	. 0	
		BULACAN	0	0		0	Ð			. 0		U D	0	0 0	
	20	BATAAN	0	0) <u>0</u>) 0	0			0		4	0	- 4	1.0
īγ	~	sub-total	0	0		<u>) ()</u>) 2	1			<u></u> 1	0	9		13	2,4
Y		AURORA QUEZON	0	้า		0 0				ò	0	1.	0	3	
		RIZAL	õ	0		0 0	: 0			0	-	0	0	0	
		CAVITE	. 0	0		9 Q	Û			0	0	0	0	0	· .
		LAGUNA	0	0		в II	0			0	0	0	0 0	0	
		5 BATANGAS	0	0 0		0 U	0			0		3.	ų O	4	
		MARINDUQUE MINDORO ORIENTAL	U . N	U D		0 I 0 0	0			0	-	0	õ	0	
		MINDORO OCCIDENTAL	ů.	ő		o o	ů.		i 0	0	0	0	0	0	
		ROMBLON	ō	0		D U	Ð) - E) O	0		2 .	0	2	-
		PALAWAN	0	0		<u>n n</u>	1		0		2	3		9	1
		sub-total	0	1		0 3	3					18	0	31	1
7		CAMARINES NORTE))	0		0 1	0			0		0	0	0	e te l
		CAMARINES SUR	0	0		8 0 8 0	. 0 10			0		· · j	jõ	1	
		CATANDUANES	0	0		0 0 0 0	10 10			0		ō	Ő	0	·
		SORSOGON	5	ĩ		i ji	6			2		18	. 0	27	3/
		MASBATE	. 0	0		0 0	a		μ <u>υ</u>	. 0	1	3.	0	4	
		sub-totsl	1	1		1 2			3	2		29	0	44	5,
nj.		AKLAN	0	0		0 0	0			0		0 6	0	0	
		CAPIZ	. 0	Ð		0 U	U J			. u		23	0	30	3.
		ANTIQUE	0	1		0 0 I 1	. 1			Ċ		13 -	0	16	2
		ILOILO NEGROS OCCIDENTAL	. 1	0		0 0				Ű		1	0	2	· · ·
		NEGROS DEL NORTE	D	D		b ປ	ų		<u> </u>	0	0	0	0	0	
		sub-lotal	1	1			1		1	0		37	0	48	6,
П		CEBU	. 0	0		0. 0	. 0			0		2	0	· 4 · 15	2.
		NEGROS ORIENTAL	1	2 0		1 <i>1</i>) D V	. n					. 6	ů	- 15	٠,
	46	SIQUIOR	0	0		6 V 0 U	. 6					ŏ	õ	· 0	
	41	sub-total	1	2		1 0	0		0	4		8	0	19	3
Π	48	NORTHERN SAMAR	0	0		0 0	ŋ) () ()	. 0	0	. 3	. 0	3	
	49	SAMAR	D	Ð	· 1	0 0	i)			'n		Ŭ,	0	0	
		EASTERN SAMAR	0	Û		1 0	0			0		0	0	1 88	13,
		NORTHERN LEYTE	2	0) 3 5 4	1	1	2	1	2	76 12	. 0	15	1
	32	SOUTHERN LEYTE sub-total	2	0		<u>) ()</u> 1 3	2		1	×		91	0	107	15
ĩ	53	ZAMBOANGA DEL NORTE	<u>2</u>	0		0 0	0					11.	0	12	. 1
•		ZAMBOANGA DEL SUR	ō	õ		ō. ŏ	Û		0 · · · 0	0	• 0	1	. 0		
	55	BASILAN	Ò	Ð		0 0	, O					0	0		
		i SULV	0	0		0 0	0					0	0		
	57	TAWI-TAWI		0		0 <u>0</u> 0							0	13	2
<	50	sub total	0	0		0 0							0	6	
-		CAMIGUIN	õ	Ď		1 0	. 0				n ['] 0	2	0	3	
		AGUSAN DEL NORTE	0	. 1		1 0	io.					15	0	23	
		MISAMIS ORIENTAL	0	0		0 0	0					2.1	0	S 	
		MISAMIS OCCIDENTAL	1	1		1 0	0) ()) ()			9	0	17	
		BUKIDNON AGUSAN DEL SUR	0	0		100 000	0						. 0	9	د 1
	υA	sub-lotal	1	2			0			5		53	0	79	11
ī	65	SURIGAO DEL SUR	î	1		s 0	ſ			0) 1	11	0		
		DAVAO ORIENTAL	0	0		0.0	0	i je) i				0		
	67	DAVAO DEL NORTE	· 0	. o		0 0	C	i (3	0		
		DAVAO DEL SUR	0	0		0 0	1			. 0			. 0	5 24	3
	<u>69</u>	SOUTH COTABATO	0			2 0	0					18	0		
u	30	sub-total		2 0		7 <u>0</u> 0							0		
4		LANAO DEL SUR		. 0		0 . 0	, s						. 0		
		NORTH COTABATO	ő	Ő		0 0	0				, O	11	0		
		MAGUINDANAO	. 0	1		20	· _ • 1) 0	0			0		
	-73														
		SULTAN KUDARAT	0	0 1		0 <u>0</u> 20				0		*	0		2

C2 - 2

,

YEAR FROM COMPLETION OF CONSTRUCTION TO COMPLETION OF REHABILITATION/IMPROVEMENT WORKS FOR REHABILITATED/IMPROVED CISS

······			N	os. of CI	Ss ltehabl	litated / L	nproved	After Co	nplellon a	f Constru	retion		(Unit : No Designed Irriga
egion	Province	1 yr.	2 yr.	3 yr.	4)			7 yr.		9 yr.		Total	Area (ha)
1 1	LOCOS NORTE	3	0	1	1	0	ť)) 1	(18 1	25	3,61
	ABRA	5	1	0								6	89
	ILOCOS SUR	· 1	0) ()) ()			2	31 30
4	MOUNTAIN PROVINCE	· 1 0	0				· · ·) .			- 3	51
	BENGUET	ŏ	ŏ									- 1	5
		0	0		The second s							l	11
	Sub total	10	1	3			. 0				and the second design of the s	39	5,81
	BATANES CAGAYAN	03	0 2									0	2,41
	KALINGA APAYAO	0	ō) 0			0	6,74
	ISABELA	ó	0	0) (0	6) () 0) (0	
12	IFUGAO	. 0	. 1	0								1	10
	NUEVA VISCAYA	0	0			0						S	70
_14	QUIRINO	4	- 0	0							and the second	23	<u>50</u> 3,71
Щ 15	NUEVA ECUA		î	0								2	66
	TARLAC	ō	o	0) 0			0	
	ZAMBALES	0	0	0								0	
	PAMPANGA	0	0) O			. 0	
	BULACAN BATAAN	0	0									ů 0	
	sub-total	1	1									2	66
IV 21	AURORA	3	1	0) _ () 0	• (0 0	5	1,01
	QUEZON	1	0				-					3	34
	RIZAL	0	0							-		0	
	LAGUNA	0	0	0			· U					0	
	BATANGAS	Ď	õ	ų			-			•		Ő	
27	MARINDUQUE	0	1	2								3	32
	MINDORO ORIENTAL	. 0	0	0) 0	0					0	
	MINDORO OCCIDENTAL	0	0	0			-) ()) ()			0 1	. 14
	ROMBLON PALAWAN	0	. 0									4	80
	sub total	- 5					0					16	2,62
Y 32	CAMARINES NORTE	0	0	4	3	1	0	1) ()	0	1 0	9	76
	CAMARINES SUR	0	0	-	-							0	
	CATANDUANES	0	0) ()) ()			. 0	
	ALBAY SORSOGON	0	1	2			1 1		2 U			10	1,16
	MASBATE	2	' i	ġ		-) O			3	21
	sub-total	3	2						2 0			22	2,14
	AKLAN	0	o	-									
	CAPIZ	0	0	0) ()			0	2.03
	ANTIQUE ILQELO	11	6	3			2					25 8	2,92
	NEGROS OCCIDENTAL	. 0	0				-					Ő	
	NEGROS DEL NORTE	0							j o				
	sub-total	14					1					33	4,2
VII 44		3) (4	81
	NEGROS ORIENTAL BOHOL	0	1	· · 0	-) ()) ()			5	1,01
	SIQUUOR	Ö							, u			0 .	
	sub-total	3	1	2			· 0					9	1,82
	NORTHERN SAMAR	0	1	0								1	ŧ
	SAMAR	0	0) ()) ()			D	
	EASTERN SAMAR	04	0	-) () (3,8
	NORTHERN LEYTE	4	. 3									<i>"</i>	ەرد 1,0
	sub-total	4											4,9
IX 53	ZAMBOANGA DEL NORT	1	0		1	0	1		3	- 1	0 0	9	1,70
	ZAMBOANGA DEL SUR	0	0						J 0			0	
	BÁSILAN	0	0						0			0	
	SULU TAWI TAWI	0	0) ()) ()			0	
- 11	sub-total	<u>v</u>	0									9	1,7
X 58	SURIGAO DEL NORTE	0									1 0		31
	CAMIGUIN	1	2									3	5
	AGUSAN DEL NORTE	6	- 3	0) ()) ()			. 10 - 4	14
	MISAMIS ORIENTAL	1	- 3	0) ()) ()	-		5	
	MISAMIS OCCIDENTAL BUKIDNON	2 2	2									14	2,8
	AGUSAN DEL SUR	3	ō								1 0		1,4
	sub-total	15	10	11		1	Z					48	7,9
	SURIGAO DEL SUR	3	. 4										2,4
	DAVAO ORIENTAL	Q	1) 0				34
	DAVAO DEL NORTE	0	0) ()) ()			2	5 5
	DAVAO DEL, SUR SOUTH COTABATO	: 2	. 2										2,6
	south converte	5	8										6,4
Ш 70	LANAO DEL NORTE	: 0) () 0		0 0	0	
71	LANAO DEL SUR	0	0									0	
	NORTH COTABATO	6	2				1					11	2,1
	MAGUINDANAO	. 4	3) 1) (2,0 2,2
74	SULTAN KUDARAT	0 10	27									33	2,2
	R (177 - 167 7.114	10		4		13		<u> </u>			47 4	300	

WERE THE EXISTING FACILITIES DAMAGED BY NATIONAL DISASTERS IN THE PAST 5 YEARS ? : CIS

Regie	n	Province	Yes	No	Unknown	Total	Ratio (%)
1	1	ILOCOS NORTE	40	3	0	43	93
	2	ABRA	7	0	0	7	100
	3	ILOCOS SUR MOUNTAIN PROVINCE	4 6	- 0	• 0	5 6	80 100
	4	LA UNION	26	0	0	26	100
	6	BENGUEL	6	õ	ŏ	6	100
	7	PANGASINAN	2	0	0	2	100
		Sub-total	91	4	0	95	96
U	8	BATANES	.0	0	0 38	0 48	8
	9 10	CAGAYAN KALINGA APAYAO	4	6 0	_380	48	0
	n	ISABELA	õ	ĩ	. 0	Ĩ.	õ
	12	IFUGAO	22	1	0	.23	96
	13		26	16	0	42	62
	14_	QUIRINO	67	3 27	0	<u>18</u> 132	83
	15	sub-tois! NUEVA ECDA	4	0		4	<u>51</u> 100
ш	16	TARLAC	0	õ	ŏ	0	Q
	17	ZAMBALES	0	ΰ	0	0	0
	19	PAMPANGA	0.	0	0	0	0
	19	BULACAN	0	0	0	0	0
	20	BATAAN sub-total		0	0	4	0 100
1V	21	AURORA	8	4	i	13	62
	22	QUEZON	ī	2	0	3	33
	23	RIZAL	0	0	0	0	0
	24	CAVITE	0	0	0	0	0
	25	LAGUNA BATANGAS	0	0	0	0	0 0
	20	MARINDUQUE	4	Ű	0	4	100
		MINDORO ORIENTAL	0	: 0	õ	0	0
	29	MINDORO OCCIDENTAL	D	. 0	. 0	0	0
		ROMBLON	1	0	1	2	50
		PALAWAN	<u>8</u> 22	0 6	1	<u> </u>	<u> </u>
v	32	sub-total CAMARINES NORTE	<u></u> 11	<u>0</u>		12	92
-	33	CAMARINES SUR	0	. 0	ŏ	0	0
	34	CATANDUANES	i i	Ŭ	õ	1	100
	35	ALBAY	0	0	0	0	0
		SORSOGON	26	· 1	0	21	96
	37	MASBATE	4	0	0	4	100
VI.	38	sub-totsi AKLAN	<u>42</u> 0	<u>2</u> : 0	0 D	<u>44</u> 0	950
••.	39	CAPIZ	0	0	Ó	0 .	0
	40	ANTIQUE	27	1	2	30	90
	41	LOI.0	9	6	1	16	56
	42	NEGROS OCCIDENTAL	0	2	0	2	0
•	43	NEGROS DEL NORTE sub-total	0 36			48	0 75
VII	44	CEBU	4	0	0	4	100
	45	NEGROS ORIENTAL	11	4	D	15	73
-	46	BOHOL	0	0	Ð	0	0
-	47	SIQUUOR	0	0	0	0	0
VIII	48	SUD-LOIAI NORTHERN SAMAR	2	<u> </u>	0	19	<u> </u>
• •	49	SAMAR	0	. 0	0	0	0
	50	EASTERN SAMAR	- 1	õ	Ő	ĩ	100
	51	NORTHERNLEYTE	82	. 4	2	88	93
	52	SOUTHERNLEYTE	14	0	<u> </u>	15	93
IX	<1 <1	SUD-IOI2	99		4	107	93 .
м	53 54	ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	12	0 0	. 0	12	100 100
	55	BASILAN	0	0	0	. 0	0
	56	SULU	• 0	0	õ	0	ō
-	57	TAWI-TAWI		00	0	0	0
		syb-total	13	0	0	13	100
х	58 59	SURIGAO DEL NORTE CAMIGUIN	5	0	1	6	83
	59 60	AGUSAN DEL NORTE	3 13	. 0 . 5	0 5	3 23	100 57
	61	MISAMIS ORIENTAL	2	2	· · ·	5	40
	62	MISAMIS OCCIDENTAL	9	7	· 0	16	56
	63	BUKIDNON	4	13	0	17	24
· -	61	AGUSAN DEL SUR	<u> </u>	2	0	9	78
XI	65	sub-total SURIGAO DEL SUR	43	<u>29</u> 7	<u>?</u> 0		<u>54</u> 68
	66	DAVAO ORIENTAL	2	· · ·	U	3	67
	67	DAVAO DEL NORTE	0	. 3	. 0	- 3	0
	68	DAVAO DEL SUR	2 .	3	0	5	40
-	69	SOUTH COFARATO	20	2	2	24	83
		sub-total	39		2	57	69
	70	LANAO DEL NORTE LANAO DEL SUR	0	n D	. 0	· 0	0
ХII		CONTROL MARK SUR		.,	. U	0	U .
хц	71 72	NORTH COTABATO	۰ e	1 1	2	12	75
хц		NORTH COTABATO MAGUINDANAO	9 2	1 - 1 19	2	12	75 10
хи	72 73						

NECESSITY OF REHABILITATION BY NATIONAL DISASTER : CIS

							(Unit : Nos.)
tegion		Province	Yes	No	Unknown	Totel	Ratio (%)
I	1	ILOCOS NORTE	41	1	1	43	95
	2	ABRA ILOCOS SUR	7 4	0 1	0 0	. 7 5	100 80
	4	MOUNTAIN PROVINCE	6	Ô	õ	6	100
	5	LA UNION	26	U	0	26	100
	6	BENGUET	6 2	0	0 0	6 2	100 100
-		PANGASINAN Sub-total	92	2		<u>4</u> 95	97
п	8	BATANES	0	0	0	0	0
	9	CAGAYAN	3	\$	40	48	6
	10	KALINGA APAYAO ISABELA	0 0	0 1	0	0 1	0
	11 12	IFUGAO	22	1	C C	23	96
	13	NUEVA VISCAYA	23	19	0	42	55
	14	QURINO	13	5	0	18	72
Î	15	sub-total NUEVA ECUA	<u>61</u> 3		400	1324	46 75
ш	16	TARLAC	0	0	0	0	0
	17	ZAMBALES	0	0	0	0	0.
	18	PAMPANGA	0	0	0	0	0
	19 20	BULACAN BATAAN	0	ů 0	0	ŏ	0
-		suh-total	3	1	0	4	75
1V	21	AURORA	8	2	3	13	62
	22 23	QUEZON RIZAL	1	2	0 0	3	33 0
	23	CAVITE	0	0	0	ő	. 0
	25	LAGUNA	0	0	0	0	0
	26	BATANGAS	0	0	0	0	0
	27 28	MARINDUQUE MINDORO ORIENTAL	4	0	0	4	100
	29	MINDORO OCCIDENTAL	0	6	0	0	0
	30	ROMBLON	1	tj	1	2	50
_	-31	PALAWAN	7	0	2	9	78
11.	32	sub-total CAMARINES NORTH	21	4	<u> </u>	31	<u>68</u> 92
Ŧ	33	CAMARINES SUR	0	0	0	0	0
	34	CATANDUANES	1	0	. 0	1	100
	35	ALBAY	U	U	U .	0	0
	36 37	SORSOGON MASBATE	26 4	1	· 0 0	27 4	96
-		sub-total	42	2	0	44	95
VI	38	AKLAN	· 0	0	0	0	0
	39	CAPIZ	0	0	0	. 0	0
	40 41	ANTIQUE ILOILO	27 5	1	2	30 16	90 31
	42	NEGROS OCCIDENTAL	0	2	0	- 2	0
-	43	NEGROS DEL NORTE	0	0	0	0	0
		sub-total	32		3	48	<u>67</u> 100
VII	44 45	CEBU NEGROS ORIENTAL	4 10	0 5	0 0	4 15	67
	46	BOHOL	0	0	0	0	0
	47	SIQUIJOR	0	0	0	0	0
	40	sub-total	14	<u>s</u> 0	0	19	<u>74</u> 67
VEI	48 49	NORTHERN SAMAR SAMAR	2	0	0	0	0
	50	EASTERN SAMAR	ĩ	0	0	1	100
	51	NORTHERN LEYTE	77	9	2	88	88
-	52	SOUTHERN LEYTE	14	<u> </u>	1	15	93 88
IX	53	sub-total ZAMBOANGA DEL NORTE	<u>94</u> 12	0	0	12	100
	54	ZAMBOANGA DEL SUR	1	0	0	1	100
	55	BASILAN	0	0	0	0	0
		SULU TAWI-TAWI	0	0	0 C	0	0
-	57	sub-total	13		<u>v</u>	13	100
x	58	SURIGAO DEL NORTE	6	0	0	6	100
	59	CAMIGUIN	3	0	0	3	100
	60 61	AGUSAN DEL NORTE MISAMIS OPIENTAL	7	8 1)	8 3	23 5	30 40
	61 62	MISAMIS ORIENTAL MISAMIS OCCIDENTAL	10	6	0	16	63
		BUKIDNON	4	u.	2	17	24
-	64	AGUSAN DEL SUR	?	2	0		78
Vî		sub-total	<u>39</u> 15	27	<u>13</u> 0	79 22	<u>49</u> 68
XI .	65 66	SURIGAO DEL SUR DAVAO ORIENTAL	2	1	0	3	67
	67	DAVAO DEL NORTE	õ	3	õ	3	0
	68	DAVAO DEL SUR	1 -	4	. 0	5	20
-	67	SOUTH COTABATO	20	2	2	24	83
XII	70	sub-total LANAO DEL NORTE		<u></u>	2	<u> </u>	67
лЩ .	70	LANAO DEL SUR	0	0	. 0	· 0	õ
	72	NORTH COTABATO	,6	4	2	12	50
	73	MAGUINDANAO	2	19	0	21	10
		CHITAM STIDAUAT	. 2.	1	10	13	15
-	74	SULTAN KUDARAT	10	24	12	46	22

NECESSITY OF THE REHABILITATION : CIS

Region		Province	Necessary	Not Necessary	Unknown	folal	Ratio (%)
1	1	ILOCOS NORTE	37	6	0	43	86
•	2	ABRA	7	0	0	7	100
	3	ILOCOS SUR MOUNTAIN PROVINCE	5	0 2	, 0 G	6	67
	5	LA UNION	26	0	õ	26	100
	6	BENGUET	5	1	D	ъ.	83
-	7	PANGASINAN	2	<u>0</u> y	0	2 95	<u>100</u> 91
П	8	Sub-total BATANES	<u>86</u> 0	<u>, y</u>	0	0	0
ц	9	CAGAYAN	. 6	4	38	48	13
	10	KALINOA APAYAO	0	0	0	0	0.
	11	ISABELA	1	0	0 .	1 23	100
	12 13	IFUGAO NUEVA VISCAYA	17 18	5 23	1	42	43
	14	QURINO	<u>n</u>	2		18	61
		tub-loisi	53	39	43	133	40
ш	15	NUEVA ECUA	3	1	0	4 0	75
	16 17	TARLAC	0	0	0	Ŭ	0
	18	PAMPANGA	õ	õ	0	0	0
	19	BULACAN	0	. 0	Q	0	· 0
	20	BATAAN	0	0	0	0 4	0 75
IV	21	sub-total	<u>J</u>	4	0	13	62
14	21	QUEZON	1	2	0	3	33
	23	RIZAL	· 0	Ø	U	0	0
	24	CAVITE	. 0	0	0	0	0
	25 26	LAGUNA BATANGAS	0. D	0 0	0	0	0
	26	MARINDUQUE	4	ø	ů.	4	100
	28	MINDORO ORIENTAL	D	ø	0	D	0
	29	MINDORO OCCIDENTAL	0	D	0 .	0	0
	30	ROMBLON	2 5	() }	0	2	100 56
-	31	PALAWAN sub-total	20	9	2	31	65
Ϋ́	32	CAMARINES NORTE	12	n	0	12	100
	33	CAMARINES SUR	Û	a a a a a a a a a a a a a a a a a a a	0	0	• 0
	34	CATANDUANES	1 0	ê 	0	1	100 0
	35 36	ALBAY SORSOGON	27	U Li	0	27	100
	37	MASBATE	1	0	0	4	100
		(etol-duz	44	0	0	44	100
VI	38	AKLAN	0 U	ព ព	0	0	0 0
	39 40	CAP12 ANTIQUE	24	4	2	30	80
	41	п.оп.о	6	10	0	16	38
	42	NEGROS OCCIDENTAL	0	2	U	2	. 0
-	43	NEGROS DEL NORTE	<u>0</u> 30	<u> </u>	2	43	63
VΠ	44	sub-total CEBU		16		1	75
	45	NEGROS ORDENTAL	12	3	0	15	80
	46	BOHOL	0	0	0	Q	Q
-	47	SIQUUOR	0	<u>0</u> 4	0	<u>0</u> 19	· 0 79
vn	48	sub-total NORTHERN SAMAR	2	<u> </u>	0	3	67
		SAMAR	0	ů.	0	0	· 0-
	50	EASTERN SAMAR	_ 1	Û	0	1	100
	51 53	NORTHERNLEYTE	75	12	- 1	\$8	85.
-	32	SOUTHERN LEYTE	91	15	U	107	85
īX	53	ZAMBOANGA DEL NORTE	11	0	1	12	92
	54	ZAMBOANGA DEL SUR	1	• 0	0	1	100
		BASILAN	0	. 0	0	0	· 0 0
		SULU TAWI TAWI	0	0	0		0
-		sub-total	12	8	1	13	92
x	58	SURIGAO DEL NORTE	6	0	0	6	100
		CAMIGUIN	3	4	0	3	100
		AGUSAN DEL NORTE MISAMIS ORJENTAL	13	. t	4 0	23 5	57 80
		MISAMIS OCCIDENTAL	15	. 1	0	16	94
		BUKIDNON	14	3	0	17	82
-	61	AGUSAN DEL SUR		0		9	100
x1	65	sub-total SURIGAO DEL SUR	64 18			<u>79</u> 22	81
A1		DAVAO ORIENTAL	3	0	0	3	100
	67	DAVAO DEL NORTE	2	1	Ū.	3	.67
	68	DAVAO DEL SUR	3	2	0.	5	69
-	69	SOUTH COTABATO	20	4	0	24	
10	20	Sub-fotal	<u>46</u> 0	0	0	57 0	81
КП		LANAO DEL NORTE LANAO DEL SUR	0	D D	0	0	0
		NORTH COTABATO	6	5	Ŭ	12	50
		MAGUINDANAO	· 18	3	. 0	21	86
_		SULTAN KUDARAT sub-total	4 28	8	<u> </u>	<u>13</u> 46	<u>31</u> 61

FACILITIES REQUIRING REHABILITATION/IMPROVEMENT WORKS : CIS

Region	Province	Diversion			g Rehabilitati Flood	on / Im prov Service	Access	Diversion		Drainage	mprovement Flood	Cost / ha (Pe Service	Access
1.0 82.023	L.I.O.ATOE 0	weir	Canal &	c Canal &	Protection	Roads	Roads	weir	Canal 🗠	Canal &	Protection	Roads	Roads
	1 ILOCOS NORTE	Intake 38	Structure 39		s 30		14	Iniake 39,358	Structures 9,229	Structures 341	2,903	142	82
. :	2 ABRA	5	7	. 0	0	0	0	4,031	6,997	0	0	0	
- 3	3 ILOCOS SUR 4 MOUNTAIN PROVINCE	5	5		: 1	0	1	16,475 1,310	5,069 6,109	0 2,206	556 0	0	58 1,36
:	S LA UNION	25	. 25	i. 0	9	0	ò	2,574	2,888	0		ŏ	
	6 BENGUET 7 PANGASINAN	6	6		0 U	0 0	Û O	52 26,765	21,279	0 0	0	0	4
امین ا	Sub-total	86	89		41	. 3	16	19,455	3,224 6,408	507	2,250	142	- 85
	8 BATANES	0	0		0	0	0	0	0	0	0	0	(
	9 CAGAYAN 10 KALINGA APAYAO	· 8 0	7		1	.1	· 3 0	14,087 0	23,737 0	551 0	610 0	0	2,05
1	1 ISABELA	0	1	1	0	1	0	0	607	337	Ő	465	ĺ
	2 IFUGAO 3 NUEVA VISCAYA	5 22	10 21		0 . 18	1	1	3,901 13,449	11,442 3,937	1,103 766	. 0 4,047	214	83. 19:
	4 QUIRINO	4	12	1	0.		2	14,612	4,148	0			28
	sub-total 5 NUEVA ECUA	39	51		<u>19</u> 0	<u> </u>	10	13,287	9,303 4,460	675	3,905	268	1,06
	6 TARLAC	0	, 0		0	0	0	18,982 0	4,400 0	147	0	0	22
	7 ZAMBALES	0	. 0		0	0	0	. 0	0	0	0	0	(
	8 PAMPANGA 9 BULACAN	0	. 0		0	U D	0 0	Q 0	0	0 0	0	0 0	· 1
	O BATAAN	0	0		0	0	0	0	0	. 0	0	0	· · · ·
[Y 2	sub-total	2	3		0	0	<u> </u>	18,982	4,460	<u>147</u> 0	0	0	21
2	2 QUEZON	1	1	1	0	1	U U	79,602	8,354	1,957	ů Ú	1,304	103
	B REZAL	0	0		0 0	. U 0	0	0	0	0	· 0	0	(
	5 LAGUNA	0	0	-	ŭ	0	0	0	0	0	0	0	
	6 BATANGAS	0	0	0	0	0	0	0	0	0	0	0	c.
	7 MARINDUQUE 8 MINDORO ORIENTAL	0	4	1	0	0	0	0	8,121	0	0	0.0	((
2	9 MINDORO OCCIDENTAL	. 0	Ű	0	0	0	Ŭ,	õ	Ő	· 0	Ő	Ō	Č
	0 ROMBLON 1 PALAWAN	1	2		2.	0	. 0 . 5	49,933	10,138 10,682	0 1,053	4,034 1,013	0	2.42
<u>د</u> _	sub-total	11	19		4	2	8	1,721	10,002	1,147	2,666	2,609	<u>2,62</u> 1,16/
	2 CAMARINES NORTE	11	12		2	. 0	2	2,558	8,342	0	5,284	0	2,95
	3 CAMARINES SUR 4 CATANDUANES	0	0	0	0 0	0 1)	0 Q	0 21,792	0 9,855	0	0	0	. 1
3	5 ALBAY	0	0	0	0	υ	0	0	0	0	0	0	
	6 SORSOGON 7 MASBATE	27	27 4		1	2	· 9 10	4,569 12,291	8,524 5,137	500 0	1,323	359	1,79
ئے۔	sub-total	43	41		3	2	11	5,504	8,272	500	4,017	359	1,91
	8 AKLAN	0	0		0	0	0	0	0	0	0	0	
	9 CAPIZ . 0 ANTIQUE	0 16	21	0 5	0 3	. 0	0	0 6,330	0 6,873	0 345	0 1,276	0	1,046
4	1 ILOLO	6	3	-	. U	0	. 0	340	8,556	1,078	0	. 0	¢
	2 NEGROS OCCIDENTAL 3 NEGROS DEL NORTE	10	1	. 1	0 0	- U - O	· 1 0'''	10,615	3,397	354	0	0 0	442
	sub-rotal	23	25	8	3	0	2	5,113	7,054	508	1,276	Ő	710
	4. CEBU 5. NEGROS ORIENTAL	. 2 11	4		1	¢	0	2,866	1,818	0 536	• 0	0	273
	6 BOHOL	0	0		0.	· 0	4	2,517	2,985 0	0.	312 0	462	21
4	7 SIQUUOR	0	0		0	0	0	0	0	0	0	0	
VIII 4	sub-total 8 NORTHERN SAMAR	130	16		0	<u>1</u> 0		2,548	2,811	526	312	462	27
4	9 SAMAR	0	0	0	0	ø	ō	. 0	0	. 0	0	0	(
	0 EASTERN SAMAR 1 NORTHERN LEYTE	0 75	1 79		- 1	0 7	1 21	0 9,182	4,149 9,490	109 567	724 808	0 403	1,673
_	2 SOUTHERN LEYTE	15	. 15	<u> </u>	0	0	6	17,346	12,351	707	0	0	85
	sub-total	99	95		12	7	28	11,091	9,998	624	795	403	1,190
	3 ZAMBOANGA DEL NORT 4 ZAMBOANGA DEL SUR	8 1	12	1 1)) 1	0	1 0	21,720 25,230	5,934 18,008	1,304 0	1,910 8,221	0	4,889
5	5 BASILAN	0	0	0	0	0	0	0	0	0	. 0	0	C
	6 SULU 7 TAWI TAWI	· 0	0		0	0	0	0	0 	0	0	0	
	sub-total	9	13	1	2	Ð	1	22,827	7,757	1,304	6,023	0	4,88
	8 SURIGAO DEL NORTE	5	6		0	0	0	10,715	8,812	581	0	0	<u>-</u> .,
	9 CAMIGUIN 0 AGUSAN DIL NORTE	3	2 4		0 - 1	0 2	0 1	209 6,613	3,056	133	0 133	· 0 100	·
.6	1 MISAMIS ORIENTAL	2	4	0	1	0	0	196	4,877	0	1,002	0	
	2 MISAMIS OCCIDENTAL 3 BUKIDNON	10 6	16		. 7	0 1	- 1	3,960 4,230	7,801 2,480	1,746 489	1,698 0	0 1,468	15,40
	4 AGUSAN DEL SUR	. 8		7	<u> </u>		5	907	130	393	1,000	400	36
VT C	sub-total 5 SURIGAO DEL SUR	38	63 22		10	6	7	3,267	4,107	990	1/190	639	1,02
	6 DAVAO ORIENTAL	15	3		· 3 0	. 1	1	4,720 5,160	10,871 7,730	1,983 4,645	3,198 0	581 7,804	554 3,72
6	7 DAVAO DEL NORTE	1	. 2	0	. 0	0	0	0	4,551	0	0,	D	, i
	8 DAVAO DEL SUR 9 SOUTH COTABATO	3	4	0	. 0	0	2 -	835	2,157 12,881	. 0	0	0	6 5 14
_03	sub-total	30	52		3	2	. 5	4,581	12,881	2,343	3,198	4,337	<u>5,34</u> 2,26
	0 LANAO DEL NORTE	· 0	. 0	; 0	. 0	0	0	0	0	0	0	0	
	1 LANAO DEL SUR 2 NORTH COTABATO	· 0 1	0		0	0	0	0 2,914	0 7,265	0	0	0	4
		. 6	21		š	5	20	3,725	21,045	1,925	5,306	2,511	87
73	3 MAGUINDANAO	· •											
73	S MAGUINDANAO SULTAN KUDARAT Sub-total	<u>13</u> 20	13	11	12	11 16	13	0 3.654	0	1,925	0 5,306	2,511	872

CANDIDATE SUB-PROJECTS FOR REHABILITATION : CIS

Dealer	Theorem	- Pr	esent Status of I	reparation (no	S.)	Na		d Irrigable		Tetal	Average of De		ble Area (ha D/D
Region	Province	No Plannin	F/S D/ g Finished Finis	D Unknown hed	Total	No Pianning	F/S Finished	D/D Finished	Unknown	10181	No Planning	F/S Finished	Finished
1 1		20		19 2	43	2,289	125	2,728	519	5,661	114	63	14
	ABRA	0		6 1	7	0 251	200	1,026 90	62	1,088 541	251	67	17
-3 -4		1	3	1 Û 2 Û	5 6	231	147	358	0	750	82	67 147	9
5		21	5	0 0	26	2,424	924	0	0	3,348	115	185	
6		5		1 0	6	323	0	67	0	390	65	· 0	6
	PANGASINAN	1		1 0 10 3	<u>2</u> 95	95 5,627	1,396	4,388	0 581	214	95	0	<u>11</u> 14
11 8	Sub-total BATANES	<u>51</u> 0		0 0		3,621	1,350	- 4,200 0	0	0	0	0	14
	CAGAYAN	ŏ	•	0 46	48	0	650	0	6,271	6,921	0	325	· .
	KALINGA APAYAO	0		0 0	0	Û	. 0	0	0	0	. 0	0	1
	ISABELA IFUGAO	. 20		0 0 2 0	1 23	160 1,439	0 140	0 250	0	160	160 72	0 140	12
	NUEVA VISCAYA	38		0 0	42	4,688	720	2,0	0	5,408	123	140	
	QUIRINO	14		30	18	1,910	50	320	0	2,280	136	50	10
	sub total	73		5 46	132	8,197	1,560	570	6,271	16,598	112	195	11
	NUEVA ECUA TARLAC	1.		3 0 0 0	4	410	0	613	· 0	1,023	410	0	204
	ZAMBALES	ŏ		0 0	ō	· õ	õ	0	ŏ	ò	°.	ŏ	
	PAMPANGA	0	-	0 0	0	0	0	0	0	0	0	· 0·	
	BULACAN	. 0		0 0	0	U	0	0	0	0	0	. 0	
_20	BATAAN sub-total	0		0 0	4	410	0	613	0	1,023	410	0	20
IV 21	AURORA	5		5 1	13	650	650	984	177	2,461	130	325	19
22	QUEZON	2		10	3	256	0	92	0	318	128	0	. 9
	RIZAL	0	•	0 0	0	0	0	0	0	0	0	0	
	CAVITE LAGUNA	0	-	0 0 0 0	0 0	0.	· 0 0	0	0	0	0	0 0	
	BATANGAS	ŏ		o o	ŏ	ŏ	0	ő	ŏ	ů	ő	ŏ	
27	MARINDUQUE	0	2	1 1	4	0	190	50	130	370	0	95	5
	MINDORO ORIENTAL	0		0 0	0	0	0	0	0	. 0	0	0	
	MINDORO OCCIDENTAL ROMBLON	0	-	0 0 1 0	0 2	0	0 70	0 75	. D	0 145	0	0	7:
	PALAWAN	4	2	1 2	2	790	409	120	325	1,635	198	200	12
	ສາມູລ-ເອເຜ	11	7	94	31	1,696	1,310	1,321	632	4,959	154	187	14
	CAMARINES NORTE	6		0 0	12	5.39	437	0	0	976	- 90	73	. (
	CAMARINES SUR	0		0 0	0	0	0	0	0	0	. 0	. 0	
	CATANDUANES ALBAY	0	+	1 0 0 0	1 0	0	. 0	200 0	0	200	0	. 0	20
	SORSOGON	9		2 0	27	891	2,468	335	D	3,694	99	154	16
. 37	MASBATE	3		0 0	4	369	50	0	U	419	123	50	
VI: 38	sub-total	18		3 0		1,799	2,955	535	0	5,289		128	178
	AKLAN CAPIZ	' 0 0		0 0 0 0	0	0	· 0	0	• 0	0	0	0	C C
	ANTIQUE	14		6 Ö	30	1,540	1,50%	737	Ŭ	3,783	110	151	123
	ILOILO	5		0 7	16	554	583	D	1,123	2,260	·	146	C
	NEGROS OCCIDENTAL	0		0 1	2	0	ស	0	120	185	. 0	65	•
43	NEGROS DEL NORTE	0 19		0 <u>0</u> 6.8	48	2,094	2,151	737	0	6,228	0 I 10	<u> </u>	123
VII 44		3		1 0	4	701	0	110	0	811	231	0	110
	NEGROS ORIENTAL	11		2 2	15	1,305	Û	630	330	2,265	119	0	315
	BOHOL.	0		0 0 0 0	. 0	0	0	. 0	0.	• 0	• 0	Û	() () () () () () () () () () () () () (
41	SIQUIJOR sub-total	. 14		0 0 3 2	19	2,006	0	740	330	0 3,076	143	0	247
/III 48	NORTHERN SAMAR	2			3	150	0	0	85	235	75	0	
	SAMAR	0	0		0	0	0	O	ð	0	0	0	
	EASTERN SAMAR	. 1		0 0	1	167	. 0	0	0	167	167	0	(
	NORTHERN LEYTE	66 7	8 : S	2 12 i 2	88 15	10,238 619	1,191 482	820 50	1,459	13,711 1,617	155	149	410
	sub-iosi	76	13	15	107	11,174	1,676	870	2,010	15,730	<u>88</u> 147	96	5(290
	ZAMBOANGA DEL NORT	1	9		12	187	1,001	780	0	1,968	187	m	390
	ZAMBOANGA DEL SUR	0	0		1	0	0	350	0	350	. 0	0	35
	BASILAN SULU	0 0	0 0		0 0	0 0	0 U	0 0	0 0	0	0	0	
	TAWI-TAWI	ŏ			0	· 0	. 0	0	. 0	U	0	0	· · · ·
	sub-total	Ŀ	9	0	13	187	1,001	1,130	0	2,318	187	111	37
	SURIGAO DEL NORTE	3	2 (6	310	160	Ô	50	520	103	80	. (
	CAMIGUIN AGUSAN DEL NORTE	0 16	3 (3 23	0 2,495	540 120	ы 0	625	540 3 240	0 156	180	
	MISAMIS ORIENTAL	2	1 0		5	300	70	0	025 150	3,240 520	156	120 70	· · · · · · · · · · · · · · · · · · ·
62	MISAMIS OCCIDENTAL	15	0 0	0	16	2,423	Ŏ	. 0	0	2,423	151	. 0	
	BUKIDNON	13	1 0		17	2,390	50	0	690	3,130	184	50	
64	AGUSAN DEL SUR	6	9 1		9	875	200	200	200	1,475	146	200	200
1 65 3	SURIGAO DEL SUR	<u>56</u> 18	0	13	<u>79</u> 22	8,793 2,794	1,140	200	<u>1,715</u> 0	11,848 3,619	157	127	200
	DAVAO ORIENTAL	2	Ŏ, I		3	425	0	65	0	490	213	0	200
67	DAVAO DEL NORTE	2	0 1	0	3	500	0	120	0	620	250	0	120
	DAVAO DEL SUR	2	2 0		5	266	350	D	100	716	133	175	(
69	SOUTH COTABATO	10	7 5		24	1,702	1,037	856	185	3,780	170	148	17
1 70	sub-total LANAO DEL NORTE	- 34	<u> </u>		<u>-57</u> 0	5,687	1,187	1,866	285	9,225	0	154	170
	LANAO DEL SUR	0	0 0		0	0	£ 0	. 0	0	0	0	0	· (
	NORTH COTABATO	4	0 5		12	517	. 0	1,390	400	2,307	129	0	278
72 I 73 I	MAGUINDANAO	20	0 1		21	3,305	· 0	170	0	3,475	165	0	170
72 I 73 I		20 2 26	0 1 0 0 0 6	11	21 13 46	3,305 210 4,062	0 . D	170 0 1,560	2,495 2,895	3,475 2,735 8,517	165 120 156	0 0 0	170 0 260

CANDIDATE SUB-PROJECTS FOR CONSTRUCTION : CIP

						eparation				d Irrigable		Average of De		
Region	ь, e	['rovince	No Plannin	F/S Pinish	D/D ed Finish		wn Tet	it No Planning	F/S Finished	D/D Finished	Unknown Tota	No Planning	F/S Finished	D/D Finished
1	1 12	LOCOS NORTE	0)	0 0	0	0	0	0		0	0
	2 A	BRA	0		0 1	-	0 1	0	0	350	0 35		0	350
		LOCOS SUR	0		6 : 0 (0 11	0	517	574 595	0 1,09		86 0	115 99
		AOUNTAIN PROVINCE	0 0			-	0 1	0	280	0	0 28		280	,,
		RENGUET	ž		-	-	0 6	116	77	257	0 450		27	86
÷		ANGASINAN	0)	0 1	<u> </u>	55	0	0 5:		55	0
		Sub-total	2		9 1		0 26	116	929	1,776	0 2,82		103	118
Ц		BATANES	0		0, 0		0 0	Û	Ð	0	0 0		0 392	. 0
		CAGAYAN	0 0				0 1 0 3	U U	392 250	0 456	0 39: 0 70:		250	0 228
		KALINGA APAYAO SABELA	0		-		0 2	U	80	100	0 18		80	100
		FUGAO	Ō		2 1	•	0 3	0	310	215	0 52		155	215
		UEVA VISCAYA	0	· .	0 ()	0 0	6	Û	0	0 (0	0
	14 Q	UIRINO	0	_	2 (0 2	00	125	0	0 12		63	0
		sub-total	0		<u>}</u>		<u>0 11</u> 0 0	0	1,157 0	<u>771</u> 0	0 1,92		165	193
щ		IUEVA ECUA	0		0 0		0 0 0 0	0	. 0	0	0 1		ů 0	0
		AMBALES	ŏ		0 (0 0	0	Ø	0	0		0	0
		AMPANGA	0	()	0 0	0	0	. 0	0 0	0	0	0
		ULACAN	0		0 ()	0 0	Û	0	0	0 (0.	0
	20 B	ATAAN	0		D (0 0	0		0	0 1		0	<u>0</u>
		sub-totel			0 (0 0	0	200	00	<u> </u>		200	0
IY		URORA UEZON	0		1 (2 1		0 1 0 3	0 10	200	147	0 31		100	147
		UZAL	0				0 0	0 ()	Ŭ	U	0 0		0	0
		AVITE	Ő				0 3	0	60	250	. 0 310		60	125
•	•	AGUNA	0	(D ()	0 0	6	0	0	0		0	0
		BATANGÁS	0	•			0 11	0	0	U	0 0		0	0
		ARINDUOUE	ο υ			-	0 0 0 0	0 13	0 0	0	0		0	0
		IINDORO ORIENTAL IINDORO OCCIDENTAL	0				0 0	0	0	υ	0 0		÷ŏ	0
		OMBLON	ŏ				0 1	0	ú	70	0 7		0	70
	31 P	ALAWAN	5		4	· · ·	3 13	\$00	150	1,170	325 2,44		150	293
		sub-10:al	5		5 8		3 21	800	610	1,617	325 3,372		122	205
۷		AMARINES NORTE	4				0 10	380	289	155	0 81		70 0	78
		AMARINES SUR	0	t t			0 0 0 6	0	0 (7	0	0 0		, ŭ	0
		CATANDUANES ILBAY	ő	2			0 3	0	255	125	0 380		128	125
		ORSOGON	0		2 3		0 5	0	137	315	0 45		69	105
_		ASBATE	0	1	i ()	0 1	0	176	0	0 370	0	376	0
		sub total	4				0 19	380	1,048	595	0 2,02		116	99
VI.		KLAN	. 0				0 0	0	1)	61 13	0 I		0	0
	39 C		0				00 04	U 0	1) 24D	450	0 69		- 80	450
		LOILO	ů ů				0 1	. U	64	6	0 6		64	0
		EGROS OCCIDENTAL	Ő				0 10	Đ	\$90	590	0 1,180		118	118
_		EGROS DEL NORTE	. 0)	0 0	0	υ	0	0 (0	0
		sub-total	0				0 15	U	891	1,010	0 1,934		99_	173
vл	44 C		0			-	0 1 0.13	- 0 510	200 1,310	0 640	0 200 0 2,460		200 262	0 213
		IEGROS ORIENTAL IOHOL	. 5				0 .13 0 0	510	1,510	0	0 (- 0	. 0
		IQUUOR	· 1	i			0 2	150	u	200	0 350		0	200
-		sub-total	6		6 4		0 16	660	1,510	8.10	0 3,010	110	252	210
VDI	48 N	ORTHERN SAMAR	0		L 2		0 3	Ð	50	345	0 395		50	173
		AMAR	0				0 0	0	0	0	0 (0	0
		ASTERN SAMAR	0				0 3	0 0	195 120	0 400	0 19. 100 621		65 120	0 400
		ORTHERN LEYTE	0		1 2		1 3 0 3	0	153	55	0 201		77	55
•	32 31	sub-total	0		7 4		1 12	0	518	800	100 1,411		74	200
IX	53 Z	AMBOANGA DEL NORTI) 4		0 4	U	0	475	0 47	0	0	119
		AMBOANGA DEL SUR	0		0 0	•	0 0	υ	0	0	0 0		0	0
		ASILAN	0				0 0	0	0	0	0 0		0	0
1.	56 50		0				0 0	U D	0	0	0 0		0 0	. 0
-	<u>57 T</u>	AWI TAWI	0				0 0 0 4	0		475	0 47		U 0	0
x	58 0	sub-total URIGAO DEL NORTE	0				0 1	0	210	110	0 32		210	119
		AMIGUIN	0				0 0	0	0	0	0 (0	0
		GUSAN DEL NORTE	0				0 6	0	302	400	0 703		101	133
		ISAMIS ORIENTAL	0				05	0	0	395	0 39		. 0	79
·		IISAMIS OCCIDENTAL	0	-			0 0	0	0	()	0 (0	. 0
		UKIDNON	0				0 10	· 0	1,165	600 500	0 1,76 0 1,72		146 203	300 500
. . .	<u>61 A</u>	GUSAN DEL. SUR aub-total	0		5 <u>1</u> 812		0 7 0 30	0	1,220 2,897	2,005	0 1,720		161	167
xi	65 51	URIGAO DEL SUR	0) <u>1</u> 4		0 30	0	0	670	0 67		0	223
		AVAO ORIENTAL	· · 2				0 2	200	0	. 0	0 200		0	0
		AVAO DEL NORTE	, Ģ		1		0 2	, û	370	460	0 830		370	460
	68 D	AVAO DEL SUR	0				U 3	. 0	50	3.10	0 391		50	170
	69 S(ОЛТН СОТАВАТО	0	****			0 3	0	<u> </u>	5-10	0 510		210	180
		sub-total	2				0 13	2081	420	2,010	0 2,630 0 0		210	223
хu		ANAO DEL NORTE	· 0 0) (). (0 0 0 0	· A	6 1)	Ŭ Û	0 (1) (0	0
· · ·		ANAO DEL SUR	· · 0				6 0 6 0	·	0	. 0	. 0 (ő	. 0
		AGUINDANAO	- 0				03	0		687	0 68		0	229
		ULTAN KUDARAT	1	<u> </u>			3 9	1087	550	300	480 1,430	100	138	300
	_	sub-total	1			· · · ·	3 12	100	550	987	480 2,11		138	247
		8201014	20		5 76		7 179	2,256	10,533	12,936	905 26,631	113	139	170

C2 - 9

. . .

MINIMUM TERMINAL IRRIGATION AREA AT THE END OF MAIN/LATERAL CANALS : CIP

									(Unit : Nos.)
Region	Province	0 - 25	25 - 50	50 - 75	AREA (ha 75 - 100) Over 100	Unknown	Total	Average
1	1 ILOCOS NORTE 2 ABRA	0				0		0	20.00
	3 ILOCOS SUR	11		Ð	0	0	0	0 1	1.8
	4 MOUNTAIN PROVINCE 5 LA UNION	5				0		0	5 6.3 1 40.00
	6 BENQUET	6		0	0	0	0	0	
	7 PANGASINAN Sub-total	0 23	and the second		· · · · · · · · · · · · · · · · · · ·	0	<u>0</u> 0	1 24	5 5.30
	8 BATANES	: 0 0				0.		•) · .
	9 CAGAYAN 10 KALINGA APAYAO	3				0 0		1 0	
	11 ISABELA 12 IFUGAO	0			-	0 0		2	
	13 NUEVA VISCAYA	0		Ŭ .	0	0		0	
-	14 QUIRINO sub-total	2				0 0		0 1 4 1	3.50
	15 NUEVA ECUA	0		0	0	0	0	0)
	16 TARLAC 17 ZAMBALES	0				0 0		0 0	
	18 PAMPANGA	Ō		0	0 [.] I	0	0.	0 () · · ·
	19 BULACAN 20 BATAAN	0				0		0 (
	sub-tota)	0						0(
. :	21 AURORA 22 QUEZON	1 2					0 . 0	0 I I 3	
<u></u>	23 RIZAL 24 CAVITE	0	I		6 6 0 1			0 0 0 3	
	25 LAGUNA	ů 0	1		0 (0 . (
	26 BATANGAS 27 MARINDUQUE	0		0 0	0 (0 (D A	•	0 (0 (
	28 MINDORO ORIENTAL	0			u d	а	0 .	o . (
	29 MINDORO OCCIDENTAL 80 ROMBLON	. 0	. (01 () () ()))		0 C D 1	9.00
	I PALAWAN	2			0 ()	01	0 13	26.00
V 3	aub-total	8		2 <u></u> 1	0 <u>. 1</u> 1 (0 <u>1</u> 0	1 <u>21</u> 0 11	
	33 CAMARINES SUR 34 CATANDUANES	0						0 (0 (
3	IS ALBAY	. 0		1.				0 C 0 2	
	IG SORSOGON	3			0- (0- (0.5	23.00
	sub-total	9		7	2 ()	0	1 19	
	IS AKLAN I9 CAPIZ	0	· · · ·		0 · · · (0 (0 0 0	
4	0 ANTIQUE	0	() .	1 2	b	1 1	D 4	247.00
	1 ILOILO 2 NEGROS OCCIDENTAL	03	(0) ; (C 2 (0 0	ι ι 1010	
_4	3 NEGROS DEL NORTE	0	<u>(</u>	<u>) (</u>	<u> </u>) .	· · · · · · · · · · · · · · · · · · ·	0 0	
VШ 4	sub-rotal 4 CEBU	0	, <u>(</u>				0	2 <u>15</u> I I	100.38
	5 NEGROS ORIENTAL 6 BOHOL	11 0	2					D 13	
	7 SIQUUOR	2 .		<u>)</u> () 2	7.50
<u>үш 4</u>	sub-total 8 NORTHERN SAMAR	13	2		The second s		0 1		
4	9 SAMAR	0	· · · ·) () 6	ыл — " на	0 () () ()	
	0 EASTERN SAMAR 1 NORTHERN LEYTE	3	C) (``````````````````````````````````````		0 ()) 3	2.33 120.00
	2 SOUTHERN LEYTE	<u> </u>) ()	<u></u>	<u>) </u>	<u>ن ا</u>	30.00
	sub-total 3 ZAMBOANGA DEL NORTE	<u> </u>	1	1) <u>/</u>		
	4 ZAMBOANGA DEL SUR 5 BASILAN	0 0	C) () 0	i4	ο () • 0	1. J.
5	6 SULU	Û	. û) ປ) 0	, () (0	per transfer a transfer a
	7 TAWI TAWI sub-total		0) <u>(</u>	Agent forder restore recorder	
	8 SURIGAO DEL NORTE	0) () i		1 () 2	105.00
	9 CAMIGUIN 9 AGUSAN DEL NORTE	0	C						
6	1 MISAMIS ORIENTAL	0	C	ج ر	9 3	. · · ·) (5	79.00
	2 MISAMIS OCCIDENTAL 3 BUKIDNON	. 0.	0 0	-					
6	AGUSAN DEL SUR	7	U	<u> </u>	υυ	() (<u> </u>	12.86
	sub-total 5 SURIGAO DEL SUR	. 1	0 0						
	6 DAVAO ORIENTAL 7 DAVAO DEL NORTE	0	. 1 0	. 0	1 0	e 1	En de de 🕻	2	100.00
. 63	B DAVAO DEL SUR	0	. 2						
. 69	SOUTH COTABATO	0	0		0)		
	LANAO DEL NORTE	0	0	· · · · · · · · · · · · · · · · · · ·	0	()	0	
	I LANAO DEL SUR 2 NORTH COTABATO	0 0	. 0						- - -
73	MAGUINDANAO	1	1	. 0	0		- C	3	62.67
74	SULTAN KUDARAT sub-total	0	9 10	0					46.67
****	Total	79	33						49.96

MINIMUM TERMINAL IRRIGATION AREA AT THE END OF PROJECT/FARM DRAINS : CIP

					AREA (ha)			(Unit : No
egion	Province	0 - 25	25 - 50	50 - 75	75 - 100	Over 100	Unknown	Total	Average
	ILOCOS NORTE ABRA			0		0		0 0 0 1	1
	ILOCOS SUR			0		0	0 1		
4	and divident the state of the			0		0		0 6	1
	LA UNION BENGUET			0 0		0		0 1	1:
	and the second			0	•	0	0	0 6 1 1	
	Sub-total			0		0	0 1	1 26	
	BATANES			0		0		0 0	
	CAGAYAN) KALINGA APAYAO		-	0 0		0	0	1 I 0 1	1
	ISABELA			0	•	0		2 2	1
	IFUGAO		2	0		0	0	ī 3	
	NUEVA VISCAYA						-	0 0	
_14	UURINO sub-total			0		0		0 <u>2</u> 4 11	· · · · · · · · · · · · ·
15	NUEVA ECUA	· · · · · · · · · · · · · · · · · · ·						4 <u>11</u> 0 0	
	5 TARLAC		0	0	0	0	0 0	0 0	
	ZAMBALES							0 0	
	B PAMPANGA BULACAN						0.0	0 <u>0</u> 0	
	BATAAN							0 0	
	sub-total							0 0	
	AURORA						0 0		
	UFZON RIZAL			-			0		
	CAVITE				-		0 3		
	LAGUNA		-		-	-	0 (9 0	
	5 BATANGAS MARINDUQUE		-			0 0	0 0	0 0	
	MINDORO ORIENTAL		-	•	-	•	υ ι Ο (ν υ) ·	
	MINDORO OCCIDENTAL			-		-	0 (·	
	ROMBLON						0 1		
	PALAWAN sub-toini						<u>0 10</u>		
32	CAMARINES NORTE						0 16 0 0		
33	CAMARINES SUR		0 :	0			0 0		
	CATANDUANES						0 (
	ALBAY						0 (0 (
	MASBATE						0 1		. 1
	sub total		0				0 1	19	
	AKLAN						0 (
	CAPIZ								2/
	ILOILO						0 1		
	NEGROS OCCIDENTAL						0 10		
43	NEGROS DEL NORTE						0 (1 1		2/
44	CEBU						0 1		
	NEGROS ORIENTAL	1			0 (0	0 0		1
	BOHOL						0 0		
41	SIQUUOR sub-total	1					0 (0 1		
48	NORTHERN SAMAR						0 1		
49	SAMAR		0 4	D	0 .0	0	0 C) 0	
	EASTERN SAMAR						0 0		
51 52	NORTHERN LEYTE	I	0	9 1	0 (0 (0.3 0.1	1 3 1 1	:
	sub-total	·····	6]			0 1	12	1
	ZAMBOANGA DEL NORTE						0 1		1
	ZAMBOANGA DEL SUR BASILAN						0 (0 (
	SULU				0 i		0 U		
	TAWITAWI		<u>) </u>)	o <u>(</u>)	0 0) ' 0	
					0 (0 1		
	SURIGAO DEL NORTE CAMIGUIN				6 (6 (0 0 0 0		3
	AGUSAN DEL NORTE				6 (0 6		
60	MISAMIS ORIENTAL		2. 1		0 (0 2	2 5	2
61	MISAMIS OCCIDENTAL				0 (9 Q		
61 62	BURDAN) (0 (0 (9 10 9 0		
61 62 63	BUKIDNON AGUSAN DEL SUR						0 18		1
61 62 63	AGUSAN DEL SUR	10)				0 3		
61 62 63 64	AGUSAN DEL SUR sub-total SURIGAO DEL SUR	1() () (10
61 62 63 64 55 65 66	AGUSAN DEL SUR <u>sub-total</u> SURICAO DEL SUR DAVAO ORIENTAL	i() () i	ο. α)	1 0		10
61 62 63 64 65 65 66 67	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE	10 ((() ()]) -	0 () ()) (1 C D 2	. 2	
61 62 63 64 65 66 67 68	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR	i() () 1) (2 () ([]]] []	ο. α))	1 0	2 3	
61 62 63 64 65 66 67 68 69	AGUSAN DEL SUR sub-tolal SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-tolal) ()) () 2 () 2 ()	} (} (0 () () () () ()))	1 0 0 2 0 1 0 3 1 9	2 3 3 13	Ĭ
61 62 63 64 65 66 67 68 69 70	AGUSAN DEL SUR sub-iolal SURIGAO DEL SUR DAVAO OEL SUR DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-iolal LANAO DEL NORTE			})))	1 0 0 2 0 1 0 3 1 9 0 0	2 3 3 1 13 0	Ĭ
61 62 63 64 65 66 67 68 69 70 71	AGUSAN DEL SUR sub-tolal SURGAD DEL SUR DA VAO ORIENTAL DA VAO ORIENTAL DA VAO DEL NORTE SOUTH COTABATO sub-tolal LANAO DEL SUR LANAO DEL SUR			}))))))	1 00 0 22 0 10 1 3 1 9 0 00 0 00	2 3 3 13 0 0 0	Ĭ
61 62 63 64 65 66 67 68 69 70 71 72	AGUSAN DEL SUR sub-iolal SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL NORTE SULTH COTABATO SUDH COTABATO LANAO DEL NORTE LANAO DEL SUR NORTH COTABATO) () 1) () () () () () () () () () ())))))))	1 00 0 2 0 3 1 9 0 0 0 00 0 00	2 3 3 13 0 0 0 0 0	Ĭ
61 62 63 64 65 66 67 68 69 70 71 72 73	AGUSAN DEL SUR sub-tolal SURGAD DEL SUR DA VAO ORIENTAL DA VAO ORIENTAL DA VAO DEL NORTE SOUTH COTABATO sub-tolal LANAO DEL SUR LANAO DEL SUR) () 1) () () () () () () () () () ()))))))	1 00 0 2 0 3 1 9 0 0 0 00 0 00	2 2 3 13 0 0 0 0 0 0 0 0 1 3	i

FARM ROADS WITH MAIN/LATERAL CANALS

								(Unit : Nos.
egion		Province	Provided	Not - Provided	Unknown	Total	Ratio (%)	Average Width (m)
1	۱	ILOCOS NORTE	0	0	0	0	0	0.00
	2 3	ADRA ILOCOS SUR	0	1 1	0	. 11	0	0.00
	4	MOUNTAIN PROVINCE	0	6	0	6	D	0.00
	5	LA UNION	0	4	0	1	0 33	0.00
	6 7	BENGUET PANGASINAN	2	1	0	1	<u>0</u>	0.00
		Sub-total	2	24	0	26	8	2.75
11	8	BATANES	0	0 0	0	0	0 100	0.00 3.50
	9 10	CAGAYAN KALINGA APAYAO	1 0	- 3	. o	3	0	0.00
1	n	ISABELA	0	· · 1	t	2	0	0.00
	12	IFUGÃO	3 0	0	0	3 0	100	4.00 0.00
	13 14	NUEVA VISCAYA OUIRINO	õ	2	0	2	ŏ	0.00
		wh-total	4	6	. 1	11	36	3.88
10	15	NUEVA ECUA	0	0	0	0	0	0.00
	16 17	TARLAC ZAMBALES	0	0	0	0	Ö	0.00
	18	PAMPANOA	0	0	0	0	0	0.00
	19	BULACAN	0	• 0	0	0	0	0.00
-	20	BATAAN sub-total	0		0	0	0	0.00
īv	21	AURORA	0	1	0	1	0	0.00
	22	QUEZON	0	. 3	0 0	3	0	0.00
	23	RIZAL CAVITE	0 0	0 3	0	- 0 3	0	0.00
	24 25	LAGUNA	0	0	0	0	0	0.00
	26	BATANGAS	0	0	0	0	0	0.00
	27	MARINDUQUE	0	. 0 0	0	0	0	0.00
	28 29	MINDORO ORIENTAL MINDORO OCCIDENTAL	0	0	0	0	0	0.00
	30	ROMBLON	0	1	0	1	0	0.00
	31	PALAWAN	4	0	9 9	21	31	4.00
v	32	sub-total CAMARINES NORTE	4 1	9	. 0	10	<u>19</u> 0	3.50
•	33	CAMARINES SUR	0	0	o	0	0	0.00
	34	CATANDUANES	0	0	o	0	0	0.00
	35	ALBAY SORSOGON	0 0	3 5	0	3 5	0.	0.00 0.00
	36 37	MASBATE	3	ő	0		100	4.00
		sub-total	2	17	0	19	<u> </u>	3.75
VI	38	AKLAN	0	0	0	0	0	0.00
	39 40	CAPIZ ANTIQUE	0	4	0	. 4	0	0.00
	41	ILOILO	0	0	1	1	0	0.00
	42	NEGROS OCCIDENTAL	0	0	0	0	0	6.00
	43	NEGROS DEL NORTE sub-total	<u>10</u> 10	0	0	<u>10 </u>	67	6.00
VII	44	CEBU	0	0	1	1	0	0.00
	45	NEGROS ORIENTAL	0.	- 13	0	13	0	0.00
		BOHOL	0	0	0 0	2	0 0	0.00
-	47	SIQUUOR sub-total	. 0	15	1	16	0	0.00
VIII	48	NORTHERN SAMAR	0	2	1	3	0	0.00
	49	SAMAR	0	0	0	0	0	0.00 0.00
	50 51	EASTERN SAMAR NORTHERN LEYTE	0 2	3	0	3	0 67	2.00
	52	SOUTHERN LEYTE	0	2	<u> </u>	3	0	0.00
		sub-total	2	8	22	12	17	2.60
IX	53 54	ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	0 0	4	0	4	0	0.00 0.00
	34 55	BASILAN	0	0	0	0	0	0.00
	56	SULU	0	0	0	0	0	0.00
	57	TAWITAWI		0	0		0	0.00
x	58	sub-total SURIGAO DEL NORTE	0	<u>4</u> 2	0	4	0	0.00
A	58 59	CAMIGUIN	0	0	0.	0 ·	Õ.	0.00
	60	AGUSAN DEL NORTE	0	6	0	6	0	0.00
	61	MISAMIS ORIENTAL MISAMIS OCCIDENTAL	1 0	4	0	5	20 0	4.00
	62 63	BUKIDNON	0	9	1	10	0	0.00
	64	AGUSAN DEL SUR	0	7	0	<u> </u>	0	0.00
		sub-total	1	28	1	30	3	4.00
XI	65 66	SURIGAO DEL SUR DAVAO ORIENTAL	0	3	0	3	0	0.00
	67	DAVAO DEL NORTE	2	0	0	2	100	4.00
	68	DAVAO DEL SUR	0	2	1.	3	0	0.00
	69	SOUTH COTABATO	0	3	0	3	0	0.00
XII	70	sub-total LANAO DEL NORTE	0	<u>10</u> 0	10	<u>13</u> 0	15	4.00
	70 71	LANAO DEL SUR	.0	. 0	0	. 0	• 0	0.00
	72	NORTH COTABATO	0	0	0	0	0	0.00
	73	MAGUINDANAO	2	1	. 0	3	67 100	3.50
· •	74	SULTAN KUDARAT	<u>9</u> 11	1	0	12	92	3,44
		Total	38	125	16	179	21	4.23

FARM ROADS WITH PROJECT DRAINS

Region		Province	Provided	Not - Provided	Unknown	Total	Ratio (%)	Average
1	1	ILOCOS NORTE	0	0	0	0	0	Width (m) 0.00
-		ABRA	0	t	0	· 1	0	0.00
	3	ILOCOS SUR	.0	11	0	11 6	0	0.00 0.00
÷	4 5	MOUNTAIN PROVINCE LA UNION	0.	6 1	0	1	õ	0.00
	6	BENGUET	2	4	õ	6	33	2.75
	7	PANGASINAN	0	1	0			0.00
		Sub-lotal	2	24	0	26	8	2.75
H	8 9	BATANES CAGAYAN	0	0	0 0	0	0	0.00
	10	KALINGA APAYAO	ŏ	3	õ	3	õ	0.00
	11	ISABELA	0	1	1	2	0	0.00
-	12	IFUĜAO	0	3	0	3	0	0.00
	13	NUEVA VISCAYA	0	0	0	0	0	0.00 0.00
_	14	OUIRINO sub-totat	0	10	1	11	0	0.00
111	15	NUEVA ECUA	0	0	0	0	0	0.00
		TARLAC	. 0	0	0	0	0	0.00
		ZAMBALES	. 0	0	0	0	0	0.00
	18 19 -	PAMPANGA BULACAN	0	0	0	0	· 0	0.00
	20	BATAAN	Ő	õ	0	0	0	0.00
		sub-total	0	0	0	0	0	0.00
IV	21	AURORA	0	1	0	1	. 0	0.00 0.00
	22 23 ·	QUEZON RIZAL	0	3 0	0	3 0	0	0.00
	24	CAVITE	õ	2	Ĩ.	3	õ	0.00
	25	LAGUNA	· 0	0	0	0	0	0.00
	26	BATANGAS	0	0	0	0	0	0.00
	27	MARINDUQUE	0	0	0	0	0	0.00 0.00
		MINDORO ORIENTAL MINDORO OCCIDENTAL	0	0 O	0 0	0	0	ρ.00 ·
		ROMBLON	ő	ĩ	0	ĩ	ō	0.00
		PALAWAN	2	3	<u>8</u>	13	15	4.00
		sub-total	2	10		21	10	4.00
V I		CAMARINES NORTE	0	9	1	10 0	0 0	0.00 0.00
	33 34	CAMARINES SUR CATANDUANES	0	0	0	ŭ	Ŭ	0.00
	35	ALBAY	ŏ	3	0	3	ō	0.00
	36 -	SORSOGON	0.	5	0	5	0	0.00
	37	MASBATE	0	<u> </u>	0	<u> </u>	0	0.00
VI	38	sub-total AKLAN	0	<u>18</u> 0	0		0	0.00
		CAPIZ	ō	õ	0	0	0	0.00
	40	ANTIQUE	0	4	0	4	0	0.00
		ILOILO	0	Ŭ	I .	1	0	0.00
:	42 43	NEGROS OCCIDENTAL NEGROS DEL NORTE	0.	10	0. 0.	10 0	0	0.00 0.00
	4)	sub-total	0	14	• 1	15	0	0.00
VII	44	CEBU	0	0	1	1	0	0.00
	45	NEGROS ORIENTAL	0	13	0	13	· 0	0.00
	46	BOHOL	0	0	0	0	0	0.00
	47	SIQUUOR	0	2	0 1	2	0	0.00
VIII	48	sub-total NORTHERN SAMAR	0	2	1	3	0	0.00
	49	SAMAR	0	0	0	0	0	0.00
	50	EASTERN SAMAR	0	. 3	0	3	0	0.00
		NORTHERN LEYTE	0	2	1	3	0	0.00 0.00
	52	SOUTHERN LEYTE sub-total	0	2	3	<u> </u>	0	0.00
IX	53	ZAMBOANGA DEL NORTE	0	4	0	4	0	0.00
		ZAMBOANGA DEL SUR	0	0	G	0	0	0.00
		BASILAN	0	0	0	0	0	0.00
		SULU	. 0 .	0	0	0 C	. 0	0.00
	57	TAWI-TAWI sub-total	<u>0</u>	4	0	4	0	0.00
x	58	SURIGAO DEL NORTE	0	2	0	2	0	0.00
		CAMIGUIN	. 0	0	0	0	0	0.00
	60	AGUSAN DEL NORTE	0	6	0	6	0	0.00
	61	MISAMIS ORIENTAL	0	5	0	5	0 0	0.00
		MISAMIS OCCIDENTAL BUKIDNON	0	0	0 1	0 10	U O	0.00 0.00
	64 .	AGUSAN DEL SUR	0	7	0	7	ŏ	0.00
		sub-total	0	29	1	30	0	0.00
		SURIGAO DEL SUR	0	3	0	3	0	0.00
		DAVAO ORIENTAL	0	2	0	2	0.	0.00
	67 · 68	DAVAO DEL NORTE DAVAO DEL SUR	0	2 2	• 0 0	2 3	0 33	0.00 0.00
-	оа 69	SOUTI COTABATO		.3	0	3	0	0.00
·		sub-total	1	12	0	13	8	0.00
		LANAO DEL NORTE	0	0	0	0	0	0.00
		LANAO DEL SUR	0	0	0	0	0	0.00
		NORTH COTABATO MAGUINDANAO	: O O	. 0 3	. 0	0 3	0 0	0.00 0.00
	74	SULTAN KUDARAT	0	7 .	2	9	0	0.00

IRRIGATION DEVELOPMENT COST PER HA : CIS

(AT A 1990 PRICE LEVEL)

	B '	0-	18,000 -	Irrigation Dev 35,000 -	elopment Cost 55,000 -	per ha (Peso / 70,000 -	ha) Over	Unknown	Total	Average
gion	Province	18,000	35,000	55,000	70,000	100,000	100,000		43	(Peso/h 63
11 2	ILOCOS NORTE ABRA	6	1	í č) () · (> 0	Ú -	7	12
	ILOCOS SUR	. 1	1	2 1) ()) ()		5. 6	33
4		4 24					0 . 0	$1 \leq 1 \leq 1$	26	7
	BENGUET	0	1	-			0 0		6	23
_?		43		01 011) (5 6	and the second s	95	34
п 8	Sub total BATANES	0) () () () 0		0	
9	CAGAYAN	0		2			2 C		48	48
	0 KALINGA APAYAO	0) () (·		1	1
	2 IFUGAO	3		2 0					23	11
	NUEVA VISCAYA	13	ī				ι, 0 β (42	. 22
<u>_</u> !	4 QUIRINO sub-total	<u> </u>	 1	2 (3 0		132	2
u v	S NUEVA ECUA	2	(0 1			o 0		- 4	1
	6 TARLAC	0) () (): 0) 0		0	
	I ZAMBALES 8 PAMPANGA	0 0) () (, . , .		i õ	
	9 BULACAN	0	1	• •			D C		0	
_ 2	0 BATAAN	2		0 <u>(</u>) · · · () 0		0	
v 2	sub-total	2		3) . 0	6	. 13	2
2	2 QUEZON	0		0 (0 () i) i		3	11
	3 RIZAL 4 CAVITE	0		•			n (•	Ű	
	5 LAGUNA	õ	ć) (2 () (-	. 0	
	6 BATANGAS	0	(3. U 0. 4	1 I	1 () I) 0) ()		0 4	1
	7 MARINDUQUE 8 MINDORO ORIENTAL	2	1	•	; ; () (9 . 9 0		0	
	MINDORO OCCIDENTAL	0		o (-) (0	
	0 ROMBLON	1		1) I D- I) t		i (2	4
	1 PALAWAN sub-total	9		3				14	31	2
	2 CAMARINES NORTE	10		1 1			0 0 9 0		12	Į.
	3 CAMARINES SUR 4 CATANDUANES	0 0		u t D i	-				ň	3
	S ALBAY	0		b (, , f		0 · C		Ð	
	6 SORSOGON	10	1:		2 (ບ ເ ບີ		27	2
	7 MASBATE	23	 	n 1 6 1			0 0		41	1
	B AKLAN	0		0 t			0 0		0	
	9 CAPIZ 0 ANTIQUE	0 14		0 (6 i) ().		6 6 0 0		0 10	. 1
	I ILOILO	4		i i) () (o (i 41	16	· · · ·
	2 NEGROS OCCIDENTAL	1		р (0 C 0 . C	-	20	3
4	NEGROS DEL NORTE	0		<u>) </u>) <u>1</u>		<u> </u>		48	1
U 4	4 CEBU	3		0 , 1	5		0		4.	
	5 NEGROS ORIENTAL	12 0		1 I D 4	; (; (D. (15 0	
	5 BOHOL 9 SIQUIOR	0		D(0 0		0	
	Jub-total	15)(0 (19	
	8 NORTHERN SAMAR 9 SAMAR	0		0 (0 () (0 (0 . ' (0.	
	D EASTERN SAMAR	ĩ		0 0			o c	0	·1 `	
	I NORTHERN LEYTE	8	- 15		2 /		. 0		88	2
	2 SOUTHERN LEYTE sub-total	9	2	6 \$	<u> </u>		1 <u></u>) <u>0</u>) 58	13	4
K 5:	ZAMBOANGA DEL NORTE	6		1	i	I	0 0		12	2
	A ZAMBOANGA DEL SUR	0.		0.0			0 . C		1	. 5
	5 BASILAN 6 SULU	0		9 (0 () (8 .4 D (ŏ	
	7 TAWI TAWI	0		0)()	<u>0 </u>		0	
	sub-total 8 SURIGAO DEL NORTE	<u>6</u> 3		12	۱۲		p (13	3
	9 CAMIGUIN	3		6 (o c		3	
6	0 AGUSAN DEL NORTE	٢	· (0 (ו ה		0 (0 (23	
	MISAMIS ORIENTAL MISAMIS OCCIDENTAL	4		0 ' I 3 I			6) (0 (16	ł
63	BUKIDNON	- 10		D (ı 1	t i i i i i i i i i i i i i i i i i i i	i _€	۱	17	1
6	A AGUSAN DEL SUR	8					0. <u> </u>		9	
6	sub-total 5 SURIGAO DEL SUR	41			2		0 <u>.</u>		22	
6	6 DAVAO ORIENTAL	í.		i 1	i. (، ۱	0 0	0	3	- 2
	7 DAVAO DEL NORTE	.1) (D C		3.	e Na se
	8 DAVAO DEL SUR	3			2		0 (24	1
	sub total	29	1	11		1	0 1	13	57	2
	LANAO DEL NORTE	0		0 (0 C		0	
	LANAO DEL SUR 2 NORTH COTABATO	0 3		0 (0 (μ. ι Ο (12	
73	MAGUINDANAO	1	1:	s	5 1) į į į i	0 . () 0.	21	. 2
_74	SULTAN KUDARAT	0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0 (13	2
	sub-total	229	1:				0(22		2

IRRIGATION DEVELOPMENT COST PER HA : CIP

(AT A 1990 PRICE LEVEL)

gion	Province	0.	18,000 -	35,000 -	55,000 -	t per ha (Peso 70,000 -	Over	Unknown	Total	 Average
1 1	ILOCOS NORTE	18,000 0	35,000	55,000 0 0	70,000	100,000	100,000 0 0	0	0	(Peso / he
	ABRA	0	1				ō. 0		Ĭ	30
3		1	4				20	0	11	41,
4	MOUNTAIN PROVINCE	0			-		0 0 0 0	0	6	33,
	BENGUET						2 1	ů I	5	42, 66
_7	PANGASINAN	0					0 0	. 0	i	18
	Sub-total	2	10				4 1		26	43
	BATANES CAGAYAN	. 0	(0 0 0 0		0	(1)
	KALINGA APAYAO	. 0					0 0		1	63, 56,
	ISABELA	õ	Č				õ õ		2	45
12	IFUGAO	1	() 1	1	0	0 0	1	3	24
	NUEVA VISCAYA	0	() (0 0	0	0	
14	QUIRINO sub-total	0					0 <u>0</u> 00	0	2	33
15	NUEVA ECIJA						0 <u>0</u> 0		- 11	43
	TARLAC	Ŏ	Ċ				0 0		ŏ	
17	ZAMBALES	. 0	c				0 0		. 0	
	PAMPANGA	0	. (0 0		0	
	BULACAN	0	(0 0		0	
20	BATAAN	0	(0 <u>0</u> 0		<u>0</u> 0	
21	AURORA	0					0 0			34
	QUEZON	0	Ċ				1 0		3	64
	RIZAL	0	(0 0		0	
	CAVITE	0	1		0	-	2 0		3	71
	LAGUNA BATANGAS	0	((•	0 0 0 0	0	0	
	MARINDUQUE	0				0 i	0 U	0	0	
	MINDORO ORIENTAL	0			0		0 0	0	0	
	MINDORO OCCIDENTAL	0	Ċ	ò' (0	0 (0 0	0	Ō	
	ROMELON	0	0		-	D., (D 0	. 0	1	49
_31	PALAWAN	1			0	<u> </u>		9	13	. 71
	sub-total CAMARINES NORTE	1	7				4 1		21	6
	CAMARINES SUR	1	4				20 0000		10 0	44
	CATANDUANES	ő					0 0		ŏ	
	ALBAY	ō	2				0 0		3	31
36	SORSOGON	2	2	2 1	i (0 O	0	5	21
37	MASBATE	0	1		*****		0 0		1	2
32	SUD-TOTAL	3					2 0		19	3
	AKLAN CAPIZ	0	((0 0 0 0		0	
	ANTIQUE	i i	1				0 0		4	43
	ILOILÒ	0	C) (b () (D 0		1	
	NEGROS OCCIDENTAL	2	5				D 0		10	3
43	NEGROS DEL NORTE	0	0			and a state of the state of the	0 <u>0</u> 00		0 15	
44			0				0 0		1	34
	NEGROS ORIENTAL		5				0. 0		13	42
46	BOHOL	0	·) () () (D 0	0	· 0	
47	SIQUUOR	0					10		2	7
	sub-setal	0	5			2	<u>ı </u>		16	4
	NORTHERN SAMAR SAMAR	· 0 0	C				1.0 0.0		. 3	6
	EASTERN SAMAR	· 0					2 1	0	3	. 10
	NORTHERN LEY TE	· Õ	1				0 0		- 3	2
	SOUTHERN LEYTE	: 0) (<u>, </u>)	3 0	0	3	
	sub-total	0	1				6 1	3	12	7
	ZAMBOANGA DEL NORTE	0	2				1.0		. 4	4
	ZAMBOANGA DEL SUR BASILAN	· U	C C				D 0 0 0		. 0	
	SULU	0	. 0				0 0		0	
	TAWI-TAWI	ŏ	0				o o		, o	<u> </u>
	sub-total	0)	<u> </u>		4	4
	SURIGAO DEL NORTE	0	Ċ				0 0		2	3
	CAMIGUEN ACUSAN DEL NORTE	0	03				0 0		0	
	AGUSAN DEL NORTE MISAMIS ORIENTAL	· 2	2				10 10		6 5	4
	MISAMIS OCCIDENTAL	õ	0				0 0		0	
63	BUXIDNON	· · · · ·	6	i .1			o o		10	- 25
64	AGUSAN DEL SUR	0	5		L		00	0	7	32
	sub-total		16				2 0		30	34
	SURIGAO DEL SUR	0	. 2				0 0		3	- 38
	DAVAO ORIENTAL DAVAO DEL NORTE	0	. 1				0 0 0 0		2	31
	DAVAO DEL NORTE DAVAO DEL SUR	0					U . U D . 0		2	34
	SOUTH COTABATO		2				0 0		: '3	24
میکند. ا	sub-total	2	6		· · · · · · · · · · · · · · · · · · ·		0 0		13	3
	LANAO DEL NORTE	0	C) ())	0 0	0	0	
	LANAO DEL SUR	0	. 0				0 0		0	
	NORTH COTABATO	0	· 0				0 0		. 0	
	MAGUINDANAO Sultan kudabat	0	. 1) 1			0 0		3	5:
-19	SULTAN KUDARAT sub-total	0	I				0 <u>0</u> 0000		<u> </u>	4
	sub-total	15	59						179	4

UNIT YIELD OF PADDY : CIS

				RESENT	P	ROPOSED
tegion		Province	Wei Season	Dry Season	Wel Season	Dry Season
1	1	ILOCOS NORTE	2.79	2.62	3.10	2.94 3.80
	2	ABRA ILOCOS SUR	2.34	2.35 3.33	3.78 3.50	3.73
	4	MOUNTAIN PROVINCE	2.63	2.71	4.08	4.13
	5	LA UNION	3.69	3.95	4.00	4.27
	6	BENGUET	3.10	3,90	2.95 4.50	3.90 4.50
	1	PANGASINAN Sub-total	4 00	3.19	3.53	3.61
π	8	BATANES	0.00	0.00	0.00	0.00
ы	ÿ	CADAYAN	1.57	1.66	1.98	2.10
	10	KALINGA APAYAO	0.00	0.00	0.00	0.00
	11	ISABELA	3.45 1.90	3_91	4.37	5.06 2.55
	12 13	IFUGAO NUBVA VISCAYA	3,48	3.93	3.70	4.11
	14	OURINO	3.46	3.61	4.09	4.20
		sub-tolsi	2.62	2.84	3.32	3.57
ш	15	NUEVA ECUA	2.63	2.94	3.44	3.92 0.00
	16 17	TARLAC ZAMBALES	0.00	0.00	0.00	0.00
	18	PAMPANGA	0.00	0.00	0.00	0.00
	19	BULACAN	0.00	00_00	0.00	0.00
· •	20	BATAAN	0.00	0_00	0.00	0.00
iv	21	sub-total AURORA	2.63	2.97	<u> </u>	4.06
••	21	QUEZON	3.33	3.47	4.00	4.50
	23	RIZAL	0.00	0,00	0.00	0.00
	24	САУПЕ	0.00	0.00	0.00	0.00
	25	LAGUNA	0.00 0.00	0.60 0.48)	0.00 0.00	0.00
	26 27	BATANGAS MARINDUQUE	2.60	2.79	3.94	4.19
	28	MINDORO ORIENTAL	0.00	0.00	0.00	0.00
	29	MINDORO OCCIDENTAL	0.00	0.00	0.00	0.00
	30	ROMBLON	4.00	3.25	5.00	5.50 4.64
-	31	PALAWAN sub-total	3.31	2.81	<u> </u>	4.40
v	32	CAMARINES NORTE	2.95	2.94	4,21	4.23
•	33	CAMARINES SUR	U.CO	10,000	0.00	0.00
	34	CATANDUANES	2.00	1.50	3.50	3.00
	35	ALBAY	0.00	0,030 3,30	0.00	0.00
	36 37	SORSOGON	2.19	1.50	3.38	3.50
-		sub-total	3.32	3.60	4.36	4.35
VI	38	AKLAN	0.00	t),t0()	0.00	0.00
	39	CAPIZ	0.00	0.00	0.00	0.00
	40	ANTIQUE ILOILO	3.20 3.56	3.28 3.27	3.89 4.42	4.08
	41 42	NEGROS OCCIDENTAL	2.88	3.25	4.00	4.25
	43	NEGROS DEL NORTE	0.00	0.00	0.00	0.00
		sub-total	3.31	3.28	3.98	4.10
٧II	44	CEBU NEGROS ORIENTAL	2.88 2.90	3.15	. 6.00 2.83	3.56 2.72
	45 46	BOHOL	0.00	0.00	0.00	0.00
	47	SIQUIOR	0.00	0.00	0.00	0.00
		sub-total	2.89	2.85	3.68	2.94
VШ	48	NORTHERN SAMAR	2.50	3,00	4.00	4.00
	49 40	SAMAR HASTERN SAMAR	0.GO 1.SO	0.139	0.00	0.00 3.20
	50 51		3.29	2.93	4.10	4.05
	52	SOUTHERN LEYTE	3.86	3.72	4.43	4.57
		sub-lotal	3.35	3.04	4.[]	4.08
X	53	ZAMBOANGA DEL NORTE	3.63	3.98	4.50	5.05
	54 55	ZAMBOANGA DEL SUR BASILAN	3.90 0.00	3.90	3.90 0.00	0.00
·	50 56	SULU	0.00	0,00	0.00	0.00
	57	TAWITAWI	0.00	0.00	0.00	0.00
		sub-total	3.65	3.97	4.45	4.95
х	58 60	SURIGAO DEL NORTE	4.00 4.42	3.39 4.58	5.25	5.33 4.58
	59 60	CAMIGUIN AGUSAN DEL NORTE	4,42 3,48	3.63	4.25	4.52
	61	MISAMIS ORIENTAL	4.15	3.95	4.44	4.31
	62	MISAMIS OCCIDENTAL	4.04	4.25	4.15	4.43
	63	BUKIDNON	3.81	3.56	4.29	4.36
·	64	AGUSAN DEL SUR sub-totai	3.01	2.66	3.96	<u>3.68</u> 4.42
(1	65	SURIGAO DEL SUR	3.54	3.93	4.24	4.24
	66	DAVAO ORIENTAL	3.00	3.00	3.83	3.83
	67	DAVAO DEL NORTE	3.83	3.42	4.50	4.25
	68	DAVAO DEL SUR	3.95	3.55	4.55	4.25
-	69	SOUTH COTABATO	3.77	3.50	4.53	4.21
n .	70	sub-total LANAO DEL NORTE	0.00	0.00	0.00	0.00
	70.	LANAO DEL SUR	0.00	0.00	0.00	0.00
	72	and the second	4.29	1.69	4.39	3.95
	73	MAGUINDANAO	3.22	3.17	3.99	3.99
÷	74	SULTAN KUDARAT	3.85	3.30	4.75	4.17
		sub-total Total	3.62	3.32	4.28	4.04

UNIT YIELD OF PADDY : CIP

			PRE	SENT	PRO	POSED
Region	•	Province	Wet	Dry	Wet Stason	Dry Season
1	1	ILOCOS NORTE	Season 0.00	Season Q.SKI	0.00	0.00
	2	ABRA	1.80	1.80	3.50	3.50
	3	1LOCOS SUR	2.73	1.13	3.70	2.44
	4	MOUNTAIN PROVINCE	2.54	2.83	4,33	4.63 4.00
	5	LA UNION DENCLIET	2.75 8.63	0,00 7.15	3.50 9.55	7.95
	6 7	BENGUET PANGASINAN	2.00	0.00	4.00	4.50
·		Sub-inial	3.60	2.88	4.83	4.10
II	8	BATANES	0.00	0.00	0.00	0.00
	9	CAGAYAN	1.25	0.00	2.00	2.25
	10	KALINGA APAYAO	3.17	3.50	4.17	4.67
	11	ISABELA	3.00	3.00	4.00 3.38	4.00 3.38
	12 13	IFUGAO NUEVA VISCAYA	2.75 0.60	2.75	0.00	0.00
	14	OURINO	3.75	0.00	4.38	4.38
		suh-total	2.97	3.00	3.78	3.97
ш	15	NUEVA ECUA	0.00	0.00	0.00	0.00
	16	TARLAC	0.00	0.(6)	0.00	0.00
	17	ZAMBALES	0.00	0.00	0.00	0.00 0.00
	18	PAMPANGA	0.00 0.00	0.00 0.00	0.00	0.00
	19 20	BULACAN BATAAN	0.00	0.00	0.00	0.00
		sub-total	0.00	0.00	0.00	0.00
IV	21	AURORA	2.00	2.00	3.50	3.75
	22	QUEZON	1.45	0.95	4.00	4.33
	23		0.00	0.00	0.00	0.00
	24	CAVITE	2.00	0.00	3.50 0.00	4.00 0.00
	25 26	LAGUNA BATANGAS	0.00 0.00	0.00	0.00	0.00
-	27	MARINDUQUE	0.00	0.00	0.00	0.00
	28	MINDORO ORIENTAL	0.00	0,00	0.00	0.09
	29	MINDORO OCCIDENTAL	0.00	0,60	0.00	0.00
1.1	30	ROMBLON	3.00	2.00	5.00	5.50
· · ·	31	PALAWAN	2.27	2.64	3.92	4.27
		sub-loial	2.13	2.12	3.90	<u>4.27</u> 3.85
Y	32 33	CAMARINES NORTE	2.65 0.00	2.64 0.00	0.00	. 0.00
	34	CATANDUANES	0.00	0,00	0.00	0.00
	35	ALBAY	2.68	2.48	3.43	3.43
-	36	SORSOGON	3.39	3.18	4.55	4.64
·	37	MASBATE	2.00	0.00	3.50	3.50
		eub-total	281	2.85	4.07	3.97
VI	38	AKLAN	0.00 0.00	0,00 0,00	0.00 0.00	0.00
	39 40	CAPIZ	3.02	2.79	3.95	4.14
	41	ILOILO	2.35	2.15	3.25	3.50
	42	NEGROS OCCIDENTAL	2.07	1.89	4.05	4.25
	43	NEGROS DEL NORTE	0.00	0,19	0.00	0.00
		sub-total	2.34	2.10	3.97	4,17
٧Œ	44	CEBU VEODOS OUENTAL	0.00	0.00 2.68	0.00	3.20
	45 46	NEGROS ORIENTAL BOHOL	0.60	0,00	0.00	0.00
	47	SIQUUOR	1.26	0.00	3.00	2.80
. 🛥		sub-total	2.24	2.65	3.38	3.14
VШ	48	NORTHFRN SAMAR	2.15	D.(H)	3.75	3.75
	49	SAMAR	0.00	0.00	0.00	0.00
	50		1.88	0.00	2.92	3.42
	51		3.71	4.00	5.13 4.30	4.69 4.40
· -	52	SOUTHERN LEYTE sub-total	3.25	3.35	4.03	4.06
IX	53	ZAMBOANGA DEL NORTE	2.90	2.00	4.66	3.84
	54		0.00	0.00	0.00	0.00
	55	DASILAN	0.00	0.00	0.00	0.00
		SULU	0.00	0.00	0.00	0.00
	57	TAWI-TAWI	0.00	0.00	0.00	0.00
x	58	sub-total SURIGAO DIEL NORTE	2.90	2.00	3.13	3.00
^	58 59	CAMIGUIN	0.60	0,00	0.00	0.00
	60	AGUSAN DEL NORTE	3.03	2.16	3.95	3.69
	61	MISAMIS ORIENTAL	3.50	3.38	4.27	4.12
		MISAMIS OCCIDENTAL	0.00	0.00	0.00	0.00
	63		2.18	1.70	3.89	3.67
	64		2.27	2.20	3.87	3.82
		sub-total	2.54	2.17	3.91	4.08
XI	65 66	SURIGAO DEL SUR	2.35 2.25	2.50	3.65	3.65
.*	60 67	DAVAO ORIENTAL DAVAO DEL NORTE	3.88	3.25	4.75	4.38
· · ·	68 68	DAVAO DEL SUR	3.25	3.25	4.25	4.00
	69	SOUTH COTABATO	2.25	2.00	4.08	4,00
7		sub-total	2.71	2.66	4.17	4.03
ХЦ	70	LANAO DEL NORTE	0.00	0.00	0.00	0.00
	71		0.00	0,00	0.00	0.00
1		NORTH COTABATO	0.00	0.00	0.00	0.00
		MAGUINDANAO Shi tan kudadat	3.15	2.80	2.51	1.98
· -	19	SULTAN KUDARAT	1.94	[.43	2.90	2.53
		2011-111.02	2.65	1717		

ECONOMIC INTERNAL RATE OF RETURN : CIS

							END 2	G. 1			(Unit : N Average
gion	Province	0-5	5 - 10	10 - 15	15 - 1	20 20 -	EIRR (25 25-3		Unknowr	1 Total	. (%)
1 1		0					0	0 1	42		4
2		0	0				0	0 7	0 t		1
3	ILOCOS SUR MOUNTAIN PROVINCE	0	 t		. í		0	้ถ่ เ			
45		ő			(1	0, 2		26	3
	BENGUET	0	, c) 0			0	0 2	4		3
7	PANGASINAN	0			أسد الشمسة تستحد مشاقلتهمي		0	0 1		-2	
	Sub-total	0					2 0	0 13			2
	BATANES CAGAYAN	· 0 0	· (0	1 4			2
	KALINGA APAYAO	ő					0	0 0			1
	ISABELA	Ő	Ċ				0	0 0			
	IFUGAO	0	c) 0		1	0	0 1	21		:
	NUEVA VISCAYA	0	C) 1	-		0	0 0			
14	QURINO	0					0	20			
	sub-total	. 0					0	3 5			
	NUEVA ECUA	0	. 0				1. v	0 2			
	TARLAC	0	1 (t)	0 0			
	ZAMBALES PAMPANGA	0					õ	Õ. 0			
	BULACAN	0	Č				0	0 0			
	BATAAN	ŏ	. C				0	00		0	
	(ub-1012)	0				}	1	0 2			
21	AURORA	0	(2	0 4			
22	QUEZON	0	1				0	0 0			•
	RIZAL	0	0				Ŭ O	0 0			
	CAVITE	0	0				0	0 0		-	
	LAGUNA	0	(0	0 0		. <u>v</u>	
	BATANGAS MARINDUQUE	0					0	0 3) <u> </u>	· · · ·
	MINDORO ORIENTAL	. 0	· · · ·				0	0 0		0	
	MINDORO OCCIDENTAL	õ	Ċ				0	0 0			
	ROMBLON	0	() 1		1	υ.	0 0			
	PALAWAN	0					0	0 0			
	sub-total	0	!				2	<u> </u>			
	CAMARINES NORTE	.0	0				1 · D	0 2			
	CAMARINES SUR	0	. t				μ	0 1			· .
	CATANDUANES	0				3	0	0 0			
	SORSOGON	Ő	(2	4 3			-
	MASBATE	0		1 0			0	00			
	sub-loia)	0		7		i	3	4 6	19	44	
[38	AKLAN	0	(0 0)	0	0 0			
39	CAPIZ	6	· t				0	0 0			· · ·
	ANTIQUE	0	0				5	2 2			
	0.00.0	Q.	(2	5	0 3 0 0			
	NEGROS OCCIDENTAL	0	(9 G 9 N		0 · ·	U U	0 0			
43	NEGROS DEL NORTE sub-total	. 0) · · ·			1	2 5			
1 44	CEBU	0	 (2	2	0 0			
	NEGROS ORIENTAL	ΰ))		2	0	0 0	12	15	
	BOHOL	0	(o 0	1 1	þ	0	0 0			
47	SIQUIJOR	0		<u>)</u>)	<u>D</u>	0 0			
	sub-total	0) 1			2	0 0			
	NORTHERN SAMAR	0	· (0	0 0			
	SAMAR	0	(0	0 0			1.11.11.11.1
	EASTERN SAMAR	0 0	(0 0 0 0		D D	1	0 0 2 2			
	NORTHERN LEYTE	. D				Î	2	1 0			·
	sub-total	0	······			<u>.</u>	3	3 2		and the second se	
53	ZAMBOANGA DEL NORTE	0		0		b	0	0 0			
	ZAMBOANGA DEL SUR	Û	Ċ			D	1	0 0) j j	1
	BASILAN	0	C			0	0	0 0			
	SULU	• 0	C			6	0	0 0			
_57	TAWITAWI	0		0		0	0	00			
	sub-total	0		0 0		0	1	0 0			
	SURIGAO DEL NORTE	Ű	(0 ·	0 · · ·	0 0			
	CAMIGUIN	0 0	(0 1	u 3	1 1			•
	AGUSAN DEL NORTE MISAMIS ORIENTAL	U Q	(D	0	0 0			
	MISAMIS OCCIDENTAL	0	. (0	0	0 0			
	BUKIDNON	. 0				D	0	0 1			· · ·
	AGUSAN DEL SUR	0				3	0	00	<u>;</u>	9	
	fato;-duz	0					3	1 2			
- 65	SURIGAO DEL SUR	0	()		1	0	1 0			-
	DAVAO ORIENTAL	0	(D	0	0 0			
	DAVAO DEL NORTE	0	(0	0 0			1.1
	DAVAO DEL SUR	0					0	0.0			(x_1, \dots, x_n)
67	SOUTHCOTABATO	0				5	0	0 4			
	sub-total	0	(<u> </u>	0	<u>1</u> 4			
	LANAO DEL NORTE	0	((n) . De	0	0 0			
	LANAO DEL SUR NORTH COTABATO	U Q	L L				0	0 3			
	MAGUINDANAO	0	· (1	0	0 0		1. A 4.	- 11
	SULTAN KUDARAT	0				• 0	0	õ			
	sub-total	0) 2			0	0 3			
				2 35				14 49	517	675	

ECONOMIC INTERNAL RATE OF RETURN : CIP

					· · · · · · · · · · · · · · · · · · ·	·····	PIND 10				(Unit : Nos.
Region	Provinco	0-5	5 - 10	10 - 15	15 - 20	20 - 25	EIRR (%) 25 - 30	Over 30	Unknown	Total	Average (%)
- <u>I</u>	1 ILOCOS NORIE	0	C) 0	0	0	0	0	0	0	
	2 ABRA	0			· 0 3	0 2	0	0 2	0	1	12.1 21.2
	3 ILOCOS SUR 4 MOUNTAIN PROVINCE	0			, 1	1		1	0	6	23.1
	5 LA UNION	. 0			1	ů.	ò	Ó	0	1	17.2
	6 BENOUET	0			0	0	4	0	2	6	28.0
-	7 PANGASINAN Seb-total	0				0	0 6	4	0	26	48.0
н	8 BATANES	0			0	0	0	0	0	0	
	9 CAOAYAN	0			Û	1	0	0	0	1	23.3
	10 KALINGA APAYAO	0			1	0	1	1	0	3 2	24.6 24.0
	11 ISABELA 12 IFUGAO	0			-	. 0	ů	0	ì	3	13.0
	13 NUEVA VISCAYA	. 0			0	0	0	0	- 0	• 0	
-	14 QUIRINO	0			2	0	0	0	0	2	17.7
EI	sub-total 15 NUEVA ECUA	0 0		and the second design of the s	<u> </u>	2	<u>1</u>	0	2	11 0	
	16 TARLAC	. 0			0	Ō	ō	0	0	0	
	17 ZAMBALES	0			0	0	0	0	0	0	
	18 PAMPANGA 19 BULACAN	. 0			. 0	0	0	0	0	0	
	20 BATAAN	ŏ			<u> </u>	Ő	0	0	0	0	
-	sub-total	0	Contraction in the second second		Q	0	0	0	0	0	
īV	21 AURORA	0			. 1	0	0 0	0	0	1 3	19.0 15.1
	22 QUEZON 23 RIZAL	0			0	ı Q	0	0	0	0	13.1
	24 CAVITE	0	() 2	0	1	0	0	0	3	16.0
	25 LAGUNA	0	C		0	0	0	0	0	0	
	26 BATANGAS 23 MARINDUQUE	0 0			U Q	0 0	0	ů ů	u Q	0	
	28 MINDORO ORIENTAL	0			0	ō	0	0	Ó	Ō	
	29 MINDORO OCCIDENTAL	0			0	0	0	. 0	0	0	
	30 ROMBLON 31 PALAWAN	0			2	0	· 0	0	. 1	13	19.
-	rap-total					6	3	- <u> </u>	· · · · · · · · · · · · · · · · · · ·	21	18.0
٧	32 CAMARINES NORTE	0			Û	1	0	4	4	10	46.
	33 CAMARINES SUR	0				0	0	0	0	. 0	
	34 CATANDUANES 35 ALBAY	0			0	0 2	0	0	0	0 3	24.1
	36 SORSOGON	ő			ĩ	0	2	0	. · · · i	5	22_
-	37 MASBATE	. 0			*****	0	0	0	0	1	5.
10	sub-total					<u> </u>	3		5	<u>19</u> 0	31.8
VI	38 AKLAN 39 CAPIZ	0			ő	0	c	ů 0	ů	ů O	
	40 ANTIQUE	0	() 2	0	0	. 1	0	1	4	18.5
	41 11.011.0	0			1	ð	0	0	0	1	18.1
	42 NEGROS OCCIDENTAL 43 NEGROS DEL NORTE	0 V			3	3	1	+	. 0 0	10	10.
-	aub-total	0 Q			4	3.	2		1	15	18.
۷Л	44 CEBU	0				0	0		1	1	22
	45 NEGROS ORIENTAL 46 BOHOL	e o				1 1	3		. 0	13	22.
	47 SIQUUOR	ŏ				, ŏ	ŏ		1	2	_10.4
	sub-total	0				1	3		7	16	21.
VШ	48 NORTHERN SAMAR	. 0				1 0	0	0	1	3	19.1
	49 SAMAR 50 EASTERN SAMAR	. O 1			1	0	0	0	0	3	11.
	51 NORTHERN LEYTE	0			1	0	0	0	2	3	15.
-	52 SOUTHERN LEYTE	0). 1	0	0	0		<u> </u>	3	25.
EX	sub-totsl 53 ZAMBOANGA DEL NORTE	. 0					0	<u></u>		<u>12</u> 4	26.
5.	54 ZAMBOANGA DEL SUR	ŏ				ò	0		0	0	
	55 BASILAN	0				0	0	0	0	0	
	56 SULU	. 0				0 O	0		0 0	0	
-	57 TAWI-TAWI sub-total	0			0	1	1	1	0	4	26.
x	58 SURIGAO DEL NORTE	0				2	0		0	2	22
	59 CAMIGUIN	0				ŋ	0		0	0	
	60 AGUSAN DEL NORTE 61 MISAMIS ORIENTAL	. 0			. 0	1	2		0	6 5	25. 40.
	62 MISAMIS OCCIDENTAL	. 0				0	Ŭ	Ū.	. 0	õ	
	63 BURIDNON	0	() 3	· 2	0	t	3	1	10	25
_	64 AGUSAN DEL SUR	0			1	0	2		0	30	27
xī	sub-total 65 SURIGAO DEL SUR	0			4	3	<u> </u>	11	2	303	28.
	66 DAVAO ORIENTAL	0				0	0		2	2	
	67 DAVAO DEL NORTE	. 0	6) 0	2	0	0	0	0	2	17.
	68 DAVAO DEL SUR	0				0	0		1	3	27.
-	69 SOUTH COTABATO	0			2	01	0		3	13	21.
	70 LANAO DEL NORTE	0	0) 0	0	0	. 0	0	0	0	
	71 LANAO DEL SUR	0				0	0		0	0	
	72 NORTH COTABATO	· 0 0			0	0	0	0 0	. O	0	20.
	73 MAGUINDANAO 74 SULTAN KUDARAT	0			0	. 0	. 0		U 9	3	. 20.
	aub-101al	0	() 0	1	2	0	0	9	12	20.
	Total	I	2	29	37	26	24	24	36	179	23.

ORGANIZATION STATUS OF IAS : CIS

Region			······		IA's Status		ho	
		Province	Non - Existence	eofIA IA org	aniced Unk	nown Tot		(%)
I	1	ILOCOS NORTE	0	4	3	0 43 0 7	10 10	
	23	ABRA ILOCOS SUR	0 2	.		s s	60	
	4	MOUNTAINPROVINCE	0	6	•	D 6	10	
	5	LA UNION	2	2		D 26 D 5		
	6 7	BENGUET PANGASINAN	0	2		0 2	10	
-		Sub-total	4	9	1	95		
П	6	BATANES	0 · ·	0		0 0	0	
	_9. 	CAGAYAN KALINGA APAYAO	· 15 0	. 3; 0	-) · · · · 40	6	
	10	ISABELA	ő	1) I	10	0 ·
	12	IFUGAO	1	2	-	23	96 98	
	13	NUEVA VISCAYA QUIRINO	1	4) 42 D 18		
-	14	sub-total	22	11	10 1	13	83	
ш	15	NUEVA ECUA	0	4) 4) 0	0	
1.1	· 16 . 17	TARLAC ZAMBALES	0	· · C C		, , , , , , , , , , , , , , , , , , ,	0	
	18	PAMPANGA	· õ	Ċ		0 0	0	
		BULACAN	0	0) O	0	
-	20	BATAAN sub-total	<u>0</u>) 0		
<u> 1</u> 2	21	AURORA	0		3	13	10	9
	22	QUEZON	0			3	.10	
	23	RIZAL CAVITE	0) · 0) 0	0	
	24 25	LAGUNA	0	0			0	
	26	BATANGAS	U	1)		0 0	0	
	27	MARINDUQUE MINDORO ORIENTAL	0) 4	10 0	
	28 29	MINDORO ORIENTAL MINDORO OCCIDENTAL	0	· • •) O	Ð	
	30	ROMBLON	0	2			10	
	31	PALAWAN	- <u>0</u>	9 		و ا	10	
v	32	sub-total CAMARINES NORTE	0) 12		
•	33	CAMARINES SUR	0	Č C) 0	0	
	34	CATANDUANES	0	1) <u>1</u>) 0	10	
	35 36	ALBAY SORSOGON	0	2/			96	
_	37	MASBATE	0	4		4	10	
	- 10	sub-total		4:) 44		
VI	38 39	AKLAN CAPTZ	. 0				· . 0	
	40	ANTIQUE	1	2		0 30		
	41	ILOILO NEGROS OCCIDENTAL	0	10) 16) 2	10 10	
	42 43	NEGROS DEL NORTE	0	0		0 0	0	
-		sub-total		4) 48		
VΠ	44 45	CEBU NEGROS ORIENTAL	0	4) 4) · · · 15		
	46	BOHOL	0	e		0 0	0	ı .
-	47	SIQUIIOR	0	0		0		
		sub-Intal				0 19	- 84	a
VIO	49			1			3	
vm	48 49	NORTHERN SAMAR SAMAR	0 0	1 C) <u> </u>	3 0	3
vm	49 50	SAMAR EASTERN SAMAR	0 0	C 1)	0 3 0 0 0 I	0 10	0
m	49 50 51	SAMAR EASTERN SAMAR NORTHERN LEYTE	0	C 1 4	5	0 3 0 0 0 i 0 83	0 10 51	1) 0
<u>vm</u>	49 50	SAMAR EASTERN SAMAR	0 0	C 1	2 2	0 3 0 0 0 i 0 83	0 10 51 80	3 0 1 0
vm - 1x	49 50 51 52 53	SAMAR EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE sub-total ZAMEOANUA DEL NORTE	0 0 43 3 48 1	0 1 4 1 5 5 1	5 2 9	0 3 0 0 0 83 0 15 0 10 0 10 10	0 10 51 80 7 7 92 92	3 10 1 5 2
	49 50 51 52 53 54	SAMAR EASTERN SAMAR NORTHERN LEVTE SOUTHERN LEYTE SUB-Cotal ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	0 0 43 3 	C 1 42 53 1 1 1 1	5 2 9	0 3 0 0 1 0 0 88 0 15 0 15 0 10 0 12 1 10 0 12	0 10 51 80 7 55 90 90 10	3 10 1 5 2 10
	49 50 51 52 53	SAMAR EASTERN SAMAR NORTHERN LEVTE SUD-IOIAL ZAMBOANGA DIL NORTE ZAMBOANGA DIL SUR BASILAN	0 0 43 3 48 1	0 1 4 1 5 5 1	5 2 9 1	0 3 0 0 0 83 0 15 0 10 0 10 10	0 10 51 8 7 55 7 92 10 0 0 0 0	3 00 1 5 2 00
	49 50 51 52 53 53 54 55	SAMAR EASTERN SAMAR NORTHERN LEVTE SUUTHERN LEYTE SUUTHERN LEYTE SUUTHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASULAN SULU TAWI TAWI	0 0 43 3 	0 1 42 59 11 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	5 2 9 1 1 1	0 3 0 0 0 1 0 15 0 10 1 12 1 12 0 0 0 0 0 0	0 10 51 80 7 92 90 10 0 0 0 0 0 0	3 60 1 3 5 2 60
- IX	49 50 51 52 53 54 55 55 56 57	SAMAR EASTERN SAMAR NORTHFEN LEYTE SUD-Gotal ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASULAN SULU TAWI-TAWI sub-total	0 0 43 3 48 1 0 0 0 0 0	0 1 4 5 5 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 9 1 1 1 1 1 2 2	0 3 0 0 0 1 0 88 0 15 0 10 0 12 1 0 0 0 0 0 0 0 0 0	0 10 51 80 7 92 10 0 0 0 0 92 99	3) 0 1 5 5 2 2 0 9 1 2
	49 50 51 52 53 54 55 56 57 58	SAMAR EASTERN SAMAR NORTHERN LEVTE SUUTHERN LEYTE SUUTHERN LEYTE SUUTHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASULAN SULU TAWI TAWI	0 43 3 48 1 0 0 0	0 1 42 59 11 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	5 5 9 1 1 1 2 2 2 5	0 3 0 0 0 1 0 15 0 16 1 12 1 12 0 11 0 0 0 0 0 0 0 0	0 10 51 80 7 92 10 0 0 0 0 92 10 10 10	3 0 1 5 5 2 0 0 0 0 0
 IX	49 50 51 52 53 54 55 56 57 58 59 60	SAMAR EASTERN SAMAR NORTHERN LEYTE SUD-Gotal ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGOUN AGUSAN DEL NORTE	0 0 43 3 	0 1 4 5 5 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 3 0 1 0 1 0 88 0 15 0 12 0 12 0 0 0 0 0 0 0 13 0 3 3 22	0 10 51 80 92 10 0 0 0 0 92 10 10 10 10 10 10	3 0 1 5 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0
- IX	49 50 51 52 53 54 55 56 57 58 59 60 61	SAMAR EASTERN SAMAR NORTHERN LEVTE SUD-IGHERN LEVTE SUD-IGHERN LEVTE ZAMBOANGA DIEL NORTE ZAMBOANGA DIEL SUR BASILAN SULU TAWI TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORIENTAL	0 0 43 3 48 1 0 0 0 1 0 0 4 1		5 5 2 9 1 1 1 1 2 5 5 6	0 3 0 1 0 1 0 10 0 10 0 10 0 10 0 0 0 0 0 13 0 6 0 3 20 5	0 10 51 8 7 55 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 6 7 7 7 7 7 7 7 7 7 7 7 7 7
- IX	49 50 51 52 53 54 55 56 57 58 59 60	SAMAR EASTERN SAMAR NORTHERN LEYTE SUD-Gotal ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGOUN AGUSAN DEL NORTE	0 0 43 3 	0 1 4 5 5 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 3 0 1 0 1 0 88 0 15 0 12 0 12 0 0 0 0 0 0 0 13 0 3 3 22	0 10 51 80 99 10 0 0 0 0 99 10 10 10 10	3 0 1 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0
- IX	49 50 51 52 53 54 55 56 57 58 59 60 61 62	SAMAR EASTERN SAMAR NORTHFEN LEYTE SUD-Gotal ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASULAN SULU TAWI-TAWI SURGAO DEL NORTE CAMIGUIN SURGAO DEL NORTE CAMIGUIN MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR	0 0 43 3 48 1 0 0 0 0 0 0 0 4 1 0 0 0 0 0 0 0 0 0 0		5 5 2 9 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	0 3 0 1 0 1 0 10 0 10 0 10 0 10 0 0 0 0 0 13 0 6 0 3 20 5 0 5 0 17 0 9	0 10 51 88 7 92 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 1 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	SAMAR EASTERN SAMAR NORTHERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SULTIER SURGIAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE CAMIGUIN MISAMES ORLIENTAL MISAMES ORLIENTAL MISAMES ORLIENTAL BURGINON AGUSAN DEL SUR SUB-GUSA	0 0 43 3 48 1 0 0 0 0 1 0 0 0 0 5		5 2 9 1 1 1 2 2 4 5 5 6 6 7 6 1 6 7 6 1 6 7 6 1 7 6 1 7 6 1 7 6 1 7 7 7 7 7 7 7 7 7 7 7 7 7	0 3 0 0 0 1 0 15 0 10 0 12 0 12 0 0 0 0 0 0 0 6 0 6 0 5 0 6 0 5 0 6 0 5 0 6 0 5 0 6 1 78 9 77	0 10 51 80 92 10 0 0 0 0 92 10 10 10 10 10 10 10 10 10 10 10 10 10	3 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7
	49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 63 65	SAMAR EASTERN SAMAR NORTHERN LEVTE SOUTHERN LEYTE SOUTHERN LEYTE SUBCOLL ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASULAN SULU TAWI TAWI SUB-IOIA SURGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR SUB-IOIA SURGAO DEL SUR	0 0 43 3 48 1 0 0 0 0 0 0 0 4 1 0 0 0 0 0 0 0 0 0 0		5 2 2 3 4 5 5 5 6 6 6 7 6 6 7 6 1 1 1 1 1 1 1 1 1 1 1 1 1	0 3 0 1 0 1 0 10 0 10 0 10 0 10 0 0 0 0 0 13 0 6 0 3 20 5 0 5 0 17 0 9	0 10 51 80 97 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 1 5 2 0 0 0 0 0 0 0 0 5 5 5 5 5 5 5 5 5 5 5 5 5
	49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	SAMAR EASTERN SAMAR NORTHERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SULTIER SURGIAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE CAMIGUIN MISAMES ORLIENTAL MISAMES ORLIENTAL MISAMES ORLIENTAL BURGINON AGUSAN DEL SUR SUB-GUSA	0 0 43 3 48 1 0 0 0 0 1 0 0 0 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0	C 1 4 5 5 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		0 3 0 1 0 1 0 10 0 10 0 12 0 12 0 0 0 0 0 13 0 6 0 6 0 5 0 6 0 5 0 6 0 75 0 75 0 22 0 3 0 3 0 3	0 10 51 80 92 92 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 5 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 50 51 52 53 54 55 57 58 59 60 61 62 63 63 65 65 65 65 65 68	SAMAR EASTERN SAMAR NORTHERN LEVTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTOTAL AMBOANGA DEL SUR BASILAN SULU TAWI TAWI SULTAWI SURIGAO DEL SUR MISAMIS ORIENTAL MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR DAVAO DEL SUR	0 0 43 3 68 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C 1 4 5 5 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		0 3 0 1 0 15 0 15 0 10 1 10 1 10 0 00 0 00 0 00 0 00 0 00 0 00 0 13 0 00 0 13 0 13 0 13 0 13 0 3 10 17 0 17 0 22 0 3 9 3 90 22 0 3 0 3 0 3	0 10 51 55 10 55 10 0 0 0 0 0 0 0 0 0 0 0 0 0	3 0 0 1 5 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 50 51 52 53 54 55 55 58 59 60 61 62 63 64 63 64 65 66 67	SAMAR EASTERN SAMAR NORTHERN LEVTE SUD-TOTAL ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUB-TAWI SURGAO DEL SUR GUISAN DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCCIDENTAL BUKTINON AGUSAN DEL SUR SUB-TAL DAVAO DEL SUR DAVAO ORIENTAL DAVAO DEL SUR	0 0 43 3 48 1 0 0 0 0 1 0 0 0 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0	C 1 4 5 5 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2 9 1 1 1 2 1 2 4 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	0 3 0 1 0 1 0 15 0 16 0 12 1 0 0 12 1 0 0 13 0 6 0 3 20 5 0 16 1 79 2 9 3 79 0 22 0 3 20 3 30 5 9 24	0 10 51 80 10 55 92 10 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 5 5 2 2 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0
 IX	49 50 51 52 53 54 55 57 58 59 60 61 62 63 63 65 65 65 65 65 68	SAMAR EASTERN SAMAR NORTHERN LEVTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTIERN LEYTE SULTOTAL AMBOANGA DEL SUR BASILAN SULU TAWI TAWI SULTAWI SURIGAO DEL SUR MISAMIS ORIENTAL MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR DAVAO DEL SUR	0 0 43 3 68 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C 1 4 5 5 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		0 3 0 1 0 1 0 15 0 10 1 10 1 10 1 11 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 3 79 22 0 3 3 79 0 3 3 79 0 3 3 79 0 3 0 3 0 3 0 3	0 10 51 80 10 55 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 50 51 52 53 54 55 55 55 57 58 59 60 61 62 63 64 65 65 66 67 68 69 70 71	SAMAR EASTERN SAMAR NORTHERN LEVTE SUD-IGEN LEVTE SUD-IGEN LEVTE SUD-IGEN LEVTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUD-IGEN SURGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE DAVAO DEL NORTE DAVAO DEL SUR SUD-IGEN SURGAO DEL SUR SUD-IGEN SURGAO DEL SUR	0 0 43 3 48 1 0 0 0 0 0 1 0 0 0 4 1 0 0 0 0 0 5 5 1 0 0 0 0 0 0 0 0 0 0 0	C 1 4 4 5 5 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 2 9 1 1 1 2 1 2 1 5 6 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 5 1 5 5 5 5 5 5 5 5 5 5 5 5 5	0 3 0 1 0 1 0 15 0 16 0 12 1 0 0 12 1 0 0 13 0 6 3 223 0 5 0 16 0 3 20 5 0 22 0 3 0 22 0 3 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 0	0 10 51 80 92 10 0 0 0 92 10 10 10 10 10 10 10 10 10 10 10 10 10	3 0 0 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 50 51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 65 65 66 67 68 69 70 71 72	SAMAR EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SOUTHERN LEYTE SOUTHERN LEYTE SOUTHERN LEYTE SOUTHERN LEYTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUL-LOSA SULU TAWI-TAWI SUL-LOSA SURCIAO DEL NORTE CAMIGUIN AGUSAN DEL SUR SUB-LOSA SURCIAO DEL SUR SOUTH COTABATO LANAO DEL SUR	0 0 43 3 68 1 0 0 0 0 1 0 0 0 4 1 0 0 0 0 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0	C 1 4 4 5 5 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		0 3 0 1 0 1 0 10 0 10 0 10 0 10 0 10 0 11 0 0 0 13 0 6 0 6 0 6 0 6 0 6 0 3 0 6 0 79 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 0 0 0 0 0	0 10 51 80 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5 5 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 50 51 52 53 54 55 55 55 55 57 58 59 60 61 62 63 64 65 65 66 67 68 69 70 71	SAMAR EASTERN SAMAR NORTHERN LEVTE SUD-IGEN LEVTE SUD-IGEN LEVTE SUD-IGEN LEVTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUD-IGEN SURGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE DAVAO DEL NORTE DAVAO DEL SUR SUD-IGEN SURGAO DEL SUR SUD-IGEN SURGAO DEL SUR	0 0 43 3 48 1 0 0 0 0 0 1 0 0 0 4 1 0 0 0 0 0 5 5 1 0 0 0 0 0 0 0 0 0 0 0	C 1 4 4 5 5 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2 9 1 1 1 1 1 2 1 2 1 3 1 5 1 4 1 5 1 5 1 6 1 5 1 6 1 6 1 5 1 6 1 9 1	0 3 0 1 0 1 0 15 0 16 0 12 1 0 0 12 1 0 0 13 0 6 3 223 0 5 0 16 0 3 20 5 0 22 0 3 0 22 0 3 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 0	0 10 51 82 10 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0	3 5 5 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0

ORGANIZATION STATUS OF IAS : CIP

				A's Status			(Unit : Nos.)
eglon		Province	Non - Existence of IA	IA organized	Unknown	Total	IA Organization Ratio (%)
ï	1	LOCOS NORTE	0	0	0	0	0
	23	ABRA ILOCOS SUR	1 7	0 4	0	1 11	100 64
	4	MOUNTAIN PROVINCE	3	2	i	6	50
	5	LA UNION	l	0	D	1	100
	6 7	BENGUET PANGASINAN	1	4	1 0	6	17 100
-		Sub-iotal	14	10	2	26	54
u	8	BATANES	0	0	0	0	0
	9	CAGAYAN KALINGA APAYAO	1	0	0	1 3	100 33
		ISABELA	· 1	1	0	2	50
		UTUGAO	0	3	0	3	0
	13	NUEVA VISCAYA	0	0	0	0	0
· -	14	QUIRINO sub-total		<u>0</u> 6	0	2	100 45
111	15	NUEVA ECIJA	0	0	0	0	0
	16	TARLAC	0	0	0	0	0
	17	ZAMBALES	0	0	0	0	0 Q
	18 19	PAMPANGA BULACAN	0	0	0	0	0
	20	BATAAN	0	0	0	0	0
		sub-toial	0	0	0	<u> </u>	0
IV	21 22	AURORA QUEZON	0 0	1 3	0	. I 3	0
	23	RIZAL	0	9	0	0	0
	24	CAVITE	0	3	0	3	0
		LAGUNA	0	0	0	0	. 0
	26 27	BATANGAS MARINDUQUE	0	. 0	0	0	0
	28	MINDORO ORIENTAL	õ	0	0	0	0
	29	MINDORO OCCIDENTAL	0	. 0	0	0	0
	30		0	1 · 9	03	1	0 8
	31	PALAWAN sub-total	1	17	3	17	5
v	32	CAMARINES NORTE	8	2	0	10	80
	33	CAMARINES SUR	0	0	0	0	0
	34 35	CATANDUANES	0	0	0	· 0 3	0 100
	36	SORSOGON	3	2	0	5	60
-	37	MASBATE		0	0	1	100
1/1	20	sub-total	15	4 0	0	<u>19</u> 0	<u>79</u> 0
VI	38 39	AKLAN CAPIZ	Q 0	0	0	0	. 0
	40	ANTIQUE	2	2	0	4	50
	41	I.OILO	1	0	Ð	1	100
	42	NEGROS OCCIDENTAL	8 0	2	0 0	10 0	80 0
-	43	NEGROS DEL NORTE sub-total		4	0	15	73
VII	44	CEBU	1	Ű	0	1	100
	45	NEGROS ORIENTAL	12	1	0	13 0	92 0
	46 47	BOHOL SIQUIJOR	. 0	0	0	2	50
-		sub-total	14	2	0	16	88
VTU	48	NORTHERN SAMAR	1	2	0	3	33
	49	SAMAR EASTERN SAMAR	0	0 0	0	03.	0
	50 51	NORTHERN LEYTE	2	1	0	3	67
-	52	SOUTHERN LEYTE	2	1	00	3	67
	·	sub-total	8	4	0	12	67
IX	53 54	ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	0 0	4 0	0 0	4 0	0
	34 55		0	0	õ	0	ů .
	56	SULU	0	0	0	0	0
~	57		0	0	0	<u> </u>	<u>0</u>
x	58	SURIGAO DEL NORTE	. 0	4	0		
<u>,</u>	59 59		0	0	ő	õ	0
	60	AGUSAN DEL NORTE	2	4	0	6	33
	61	MISAMIS ORIENTAL	l n	4 0	0 0	5	20 0
	62 63	MISAMIS OCCIDENTAL BUKIDNON	U R	2	Ŭ	10	80
	64	AGUSAN DEL SUR	4	3	0	. 7	57
		falot-dua	15	15	0	30	50
XI	65 66	SURIGAO DEL SUR	3	0 .	0	3 2	100 100
	66 67	DAVAO ORIENTAL DAVAO DEL NORTE	0	2	. U	2	0
		DAVAO DEL SUR	2	1	0	3	67
· _	69	SOUTH COTABATO	0	3	0	3	0 54
XII	70	sub-total LANAO DEL NORTE	7	6 0	0 !	0	
. 114	71		0	0	0	õ	· ŏ ·
	72	NORTH COTABATO	0	0	0	0	0
	73		2	1	0 ·	3	67 67
·. •	74	SULTAN KUDARAT sub-total	<u>6</u> 8	3	<u>_</u>	12	67
		2 1 1 3 C 1461	Y	75	6	179	55

ENDORSEMENT OF THE REHABILITATION BY IA MEMBERS : CIS

	ار مارشون					· · · · · · · · · · · · · · · · · · ·	·····	(Unit : Nos.)
tegion		Province	100% - 80%	80% - 60%	60% - 40%	Below	40% Unko	own Total
1	1	ILOCOS NORTE	9	8	18	6	2	43
	2 3	ABRA ILOCOS SUR	7 2	0	C Q	02	· 0	75
	4	MOUNTAIN PROVINCE	6	0	· õ	õ	. 0	. 6
	5	LA UNION	5	11	9	t	0	26
	6	BENGUET	3	1 0	2	0	0	6 2
_	_?	PANGASINAN Seb-total	34	21	29	9	2	95
11	8	BATANES	0	. 0 .	0	0	0	0
	ò	CAGAYAN	3	3	1	0	41	48
	10	KALINGA APAYAO	0	0	0	0	0	0 1
	11 12	ISABELA IFUGAO	5	io	. 3	5	ő	23
	13	NUEVA VISCAYA	6	7	5	24	• 0	42
	14	QUIRINO	7	0	<u> </u>	10	041	
111	15	sub-totel NUEVA ECUA	21	0		<u> </u>		132
111		TARLAC	0	õ	õ	. 0	0	0
	17	ZAMBALES	0	0	0	0	. 0	0
	18	PAMPANGA	0	. 0	0	0	0 D	
	19 70	BULACAN BATAAN	<u>0</u>	. 0	0	: 0	. 0	· · · ·
_		sub-total	33	0	0	0		4
IV	21	AURORA	8	0	0	1	4	13
	22	QUEZON	0	1	0	0	2	3
	23 24	CAVITE	0	0	ő	0	0	ů ů
	25	LAGUNA	0	Ō	0	0	. Ū	0
	26	BATANGAS	0	0	. 0	.0	0	
	27 28	MARINDUQUE MINDORO ORIENTAL	3 .	I A	0 0	0	0	· 4
	28 29	MINDORO OCCIDENTAL	0	· 0	0.	. 0	0	. 0
	30	ROMBLON	2	0	0	0		. 2
	31	PALAWAN	1	5	0		2	<u>9</u> 31
v	32	sub-total CAMARINES NORTE	<u>14</u> 11	<u> </u>	0	2		
•	33	CAMARINES SUR	0	0	ŏ	õ	0	0
	34	CATANDUANES	ĩ	0	· · O	0	0	1
	35	ALBAY	0	0	0	0	0	0
	36 37	SORSOGON MASBATE	27	0	0	0	0	27
-	37	seb-total	43		0	0	0	44
vi	38	AKLAN	0	0	0	0	0	0
	39	CAPIZ	D	Ø	0	D	. 0	0
	40 41	ANTIQUE	24 3	0 2	0	0	6	30 16
	42	NEGROS OCCIDENTAL	i i	ō	ŏ	· 0	1	2
	43	NEGROS DEL NORTE	00	0	0	0		0
		sub-totel	28	2	<u>0</u>	0		48
VII -	44 45	CEBU NEGROS ORIENTAL	1 3	6	4	. 0	. 2	15
	46	BOHOL	. õ	. 0	ò	Ŭ	0	0
_	47	SIQUIIOR	0	0	0	0	0	0
		sub-total	4	7	4	0	4	19
/111	48 49	NORTHERN SAMAR SAMAR	1	0	0 Ú	. 0	2	3
	49 50	EASTERN SAMAR	· 1	0	. 0	0	ů o	1
	51	NORTHERN LEYTE	63	12	4.	8	1	. 88
_	52_	SOUTHERN LEYTE	10	2	0	0	3	15
IX	53	SUB-IGIAL ZAMBOANGA DEL NORTE		9			0	<u>10/</u>
	54	ZAMBOANGA DEL SUR	i	ó	õ	Ũ	0	1
	55	BASILAN	0	0	0	. 0	0	0
		SULU TANG TANG	0	0.	0	0	0	0
-	57	TAWI-TAWI sub-total		0	0		<u>0</u> 0	13
x	58	SURIGAO DEL NORTE	5	0	0	0	1	6
	59	CAMIGUIN	3	.0	• 0	0	· · Q	3
	60	AGUSAN DEL NORTE	7	5	1	2	8	23 5
	61 62	MISAMIS ORIENTAL MISAMIS OCCIDENTAL	2	1	0 0	• • • •	2	5
	63	BUKIDNON	11	3	ő	. 0	3	17
	64	AGUSAN DEL SUR	1	2	0	0		9
		sub-total	35	26	1	2		
(1	65 66	SURIGAO DEL SUR DAVAO ORIENTAL	13 0	.6 3	2 0	1	0	22 3
	67	DAVAO DEL NORTE	2	0	0	0	5	3
		DAVAO DEL SUR	2	. 1	i '	1	0	5
	69	SOUTH COTABATO	14	7	<u> </u>	0	2	24
	70	sub-total	31	17	4	2	3	57
	70 71	LANAO DEL NORTI: LANAO DEL SUR	0.0	0 0	0	0	. U	0
			5	0	. 0	0	7	12
	73	MAGUINDANAO	. 9	10	2	Ó	. 0	21
	74	SULTAN KUDARAT	<u>9</u>	2	9	0	2	<u>13</u> 46
_					1			

ENDORSEMENT OF THE CONSTRUCTION BY IA MEMBERS : CIP

teglon		Province	103% - 80%	80% - 60%	60% · 40%	Below 40%	Unknown	Total
i	1	ILOCOS NORTE	0	0	0	0	0	0
	2	ABRA	. 0	1	0	. 0	0	t
	3	ILOCOS SUR	2	6	2	0	1	11
	4 5	MOUNTAIN PROVINCE	6 1	0	0	0	0	6 1
	6	BENGUET	2	3	0	0	ĩ	6
-	7	PANGASINAN	1	0	0	0	0	1
		Sub-total	12	10	2	0	2	26
Ш	8	BATANES	0	0	0	0	0	0
	9	CAGAYAN	0 2	0	1 0	0	0	1 3
	10 11	KALINGA APAYAO ISABELA	1	1	0	0	0	2
	12	IFUGAO	2	ì	õ	õ	õ	3
	13	NUEVA VISCAYA	0 -	0	0	0	0	0
_	14	QUIRINO	2	0	0	0	0	2
		sub-total		3	1	<u> </u>	0	11
m	15 16	NUEVA ECHA TARLAC	0	0	0	0	. 0	. 0
	17	ZAMBALES	0	0	õ	0	0	Ŏ
	18	PAMPANGA	õ	0	Ō	õ	ō	0
	19	BULACAN	0	0	0	. 0	0	0
	20	BATAAN	0	0	0	0	<u> </u>	0
111		sub-total	<u> </u>	0	0		0	0
IV	21 22	AURORA QUEZON	1 0	0 3	. 0 '	0	0 0	1 3
	23	RIZAL	0	0	ŏ	0	0	0
	24	CAVITE	0	2	Ť	. 0	0	3
	25	LAGUNA	0	0	0	0	0	0
		BATANGAS	0	0	0	D	0	0
	27 28	MARINDUQUE MINDORO ORIENTAL	0	0	0	0	0	0
	28	MINDORO ORIENTAL	0	0	. 0	0	0 0	0
		ROMBLON	1	õ	0	ő	õ	1
_	31	PALAWAN	3	6	0	0	4	13
		sub-total	5	11	. 1	0	. 4	21
۷	32	CAMARINES NORTE	2	8	0	0	0	. 10 0
	33 34	CAMARINES SUR CATANDUANES	0	0 0	0 0	0	0	0
	34	ALBAY	3	õ	0	0	0	3
	36	SORSOGON	2	2	ĩ	0.	ů	5
_	37	MASBATE	1	0	0	0	0	1
		sub-total	8	10		0	0	19
VI	38	AKLAN	0	0	0	0	0	. 0
	39 40	CAPIZ ANTIQUE	0 3	0	0	0 0	0	4
	41	ILOILO	, 0	i	õ	0	õ	1 -
	42	NEGROS OCCIDENTAL	2	7	Ō	0	1 .	10
-	43	NEGROS DEL NORTE	0	0	0	00	0	0
		latot-dua	5	9	0	0	1	15
VП	44 45	CEBU NEGROS ORIENTAL	0 5	C 8	0	0	1	1
	46	BOHOL	0	ő	. 0	0	0	0
	47	SIQUUOR	1	0	0	· i	Ŏ	2
-		sub-totel	6	8	0	1	1	16
лп	43	NORTHERN SAMAR	2	. 0	0	1	0	3
	49	SAMAR	0	0	0	0	0	0
	50 51	EASTERN SAMAR NORTHERN LEYTE	. 3	0	0	0	0	3 3
	52	SOUTHERN LEYTE	3	2	0	0 ·	0	3
. ~	- 75.0	sub-tetal	9	2	0	1	0	12
IX	53	ZAMBOANGA DEL NORTE	4	0	0	0	0	4
	54	ZAMBOANGA DEL SUR	Q	0	0	0	0	0 O
	55	BASILAN SULU	0	0	0	0	0	0
	56 57	SOLU TAWI-TAWI	0	. 0	0	0 0	0	U O
-		sub-total	4	0	0	0	0	4
X	58	SURIGAO DEL NORTE	2	0	0	Ó	0	2
	59	CAMIGUIN	0	0	0 .	0	0	0
÷	60	AGUSAN DEL NORTE	0	6	0	0	0	6
	61 62	MISAMIS ORIENTAL MISAMIS OCCIDENTAL	4 0	0	0	0	· 0	5
	63	BUKIDNON	. 7	1	1	1	0 0	10
	64	AGUSAN DEL SUR	i	5	0	0	1	
-		sub-total	14	13	11	t.	· 1	30
XI	65	SURIGAO DEL SUR	2	1	0	0	0	3
	66	DAVAO ORIENTAL	0	2	0	0	. 0	2
· .	67 68	DAVAO DEL NORTE	2	0 1	0 0	0	. · 0 0	2 3
· .	68 69	DAVAO DEL SUR SOUTH COTABATO	2 3	0	0	.U . D	U 	3
-	09	sub-total		4	0	0	0	13
хп	70	LANAO DEL NORTE	0	0	0	0	0	0
	71	LANAO DEL SUR	0	0	0	0	0	0
	72	NORTH COTABATO	0	0	0	0	0	0
	73	MAGUINDANAO	0	3	0	0	0	3
-	74	SULTAN KUDARAT	0	8	0	0	1	
		sub-total	0		0 6	03	<u> </u>	12

STATUS OF ISSUANCE OF EMANCIPATION PATENTS : CIS

		Province	Nos. of Answer	Percentage (%)
- <u></u>	1	LOCOS NORTE		50
	2	ABRA	. 0	0
	3	ELOCOS SUR MOUNTAIN PROVINCE	6	
	5	LAUNION	i	80
	6	BENGUEL	. 0	0
_	7	PANGASINAN	0	<u>0</u> 28
ŭ	8	Sub-total BATANES	· 8 0	0
n	ŝ	CAGAYAN	. 0	0
	10	KALINGA APAYAO	0	0
	11	ISABELA	0	0
	12	IFUGAO	0 22	0 86
	13 14	NUEVA VISCAYA QUIRINO	0	0
. –	14	sub-iotal	22	
III	15	NUEVA ECUA	0	0
	16	TARLAC	0	0
	17	ZAMBALES	· 0	0
	18 19	PAMPANGA BULACAN	. 0	0
	20	BATAAN	0	0
		sub-total	0	0
IV	21	AURORA	4	26
	22	QUEZON	0	0 0 : ·
	23 24	RIZAL CAVITE	0	0
	25	LAGUNA	. 0	0
	26	BATANGAS	0	0
	27		. 0	0 0
	28 29		0	. 0
		ROMBLON	0	0
	31	PALAWAN	1	80
		sub-total	5 1	37
N.	32		0	0 D
	33 34	CAMARINES SUR CATANDUANES	0	0
	35	ALBAY	0	0
	36	SORSOGON	0	0
_	37	MASBATE		90
VI	38	AKLAN	0	<u> </u>
41	30 39	CAPIZ	0	0
	40	ANTIQUE	3	7
	41	ILOILO	1	15
	42	NEGROS OCCIDENTAL	0	0
-	43	NEGROS DEL NORTE	4	9
VII	44	CEBU	0	0
	45	NEGROS ORIENTAL	· 4	84
	46	BOHOL	0	0
-	47	SIQUUOR and International	<u> </u>	<u>0</u> 84
VIII	48	sub-totel NORTHERN SAMAR	0	0
	49	SAMAR	. 0	0
	50	EASTERN SAMAR	. 0	0
	51	NORTHERN LEYTE	24	43
-	52	SOUTHERN LEYTE	10	<u>57</u>
IX	53	ZAMEOANGA DEL NORTE	0	0
	54	ZAMBOANGA DEL SUR	1	69
	55	BASILAN	0	0
	56	SULU TANU TANU	0 1. 0	0
	57	TAWI-TAWI sub-total		69
x	58	SURIGAO DEL NORTE	0	0
	59	CAMIGUIN	0	0
	60	AGUSAN DEL NORTE	5	65
	61 62	MISAMIS ORIENTAL MISAMIS OCCIDENTAL	2	63 95
	63	BUKIDNON	7	63
-	64	AGUSAN DEL SUR	. 8	42
		sub-total	29	65
XI	65	SURIGAO DEL SUR	10	86
	66 67	DAVAO ORIENTAL DAVAO DEL NORTE	1 0	100 0
		DAVAG DEL NORTE DAVAG DEL SUR	0	0
	69	SOUTH COTABATO	<u> </u>	56
 		sub-total	18	75
XII	70		0	0
	71	LANAO DEL SUR	0	0
	72 73	NORTH COTABATO MAGUINDANAO	0	0 0
	13			0
	74	SULTAN KUDARAT	0	v

STATUS OF ISSUANCE OF EMANCIPATION PATENTS : CIP

		Province	Nos. of Answer	Percentage (%)
ł		ILOCOS NORTE	0	0
-	2	ABRA	0	0
	3	ILOCOS SUR	3	100
	4	MOUNTAIN PROVINCE	6	15
	5	LAUNION	0	0
	6 7	BENGUET PANGASINAN	1	58
-		Sub-total	10	45
11	8	BATANES	0	0
	9	CAGAYAN	0	0
	10	KALINGA APAYAO	0	0
	11	ISABELA	0	0
	12	IFUGAO	0	0
	13	NUEVA VISCAYA	0	0
•	14	QUIRINO sub-lotal	0	0
111	15	NUEVA ECIJA	0	0
	16	TARLAC	õ	0
	17	ZAMBALES	ō	0
	18	PAMPANGA	0	0
	19	BULACAN	0	0
	20	BATAAN	00	0
		sub-telai	0	0
IV	21	AURORA	0	0
	22 23	QUEZON RIZAL	1	80 0
	23 24	CAVITE	0 3	73
	25	LAGUNA	3	0
	26	BATANGAS	õ	0
	27	MARINDUQUE	. 0	0
	28	MINDORO ORIENTAL	0	0
	29	MINDORO OCCIDENTAL	0	0
	30	ROMBLON	0	0
-	31	PALAWAN	2	
~		sub-total	6	79
v	32	CAMARINES NORTE	1	10
	33	CAMARINES SUR	0	0
	34 35	CATANDUANES	0	0
	36	ALBAY SORSOGON	0	0
	37	MASBATE	ő	ō
		sub-totel	1	10
VI	38	AKLAN	0	0
	39	CAPIZ	. 0	0
	40	ANTIQUE	0	0
	41	E.OILO	0	0
	42	NEGROS OCCIDENTAL	0	0
~	43	NEGROS DEL NORTE	0	0
		sub-iolal	<u> </u>	0
VII	44 45	CEBU NEGROS ORIENTAL	1 · 7	2 52
	45	BOHOL	0	52 0
	47	SIQUUOR	0	ů.
-		sub-total	8	46
VIII	48	NORTHERN SAMAR		
			0	0
	49	SAMAR	0	0
	50	EASTERN SAMAR	0 0	0 0
	50 51	EASTERN SAMAR NORTHERN LEYTE	0	0 0 60
-	50	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE	0 0 1 1	0 0 60 91
	50 51 52	EASTERN SAMÀR NORTHERN LEYTE SOUTHERN LEYTE SUD-Icial	0 0 1 1 2	0 0 60 91 76
	50 51 52 53	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE	0 0 1 <u>1</u> 2 0	0 0 60 91 76 0
	50 51 52 53 54	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUB-MOLE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	0 0 1 1 2 0 0	0 0 50 91 <u>76</u> 0 0
	50 51 52 53 54 55	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN	0 0 1 1 2 0 0 0	0 0 60 <u>91</u> 76 0 0 0 0
	50 51 52 53 54 55 56	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE ZID-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU	0 0 1 <u>1</u> 2 0 0 0 0 0 0 0	0 0 50 91 <u>76</u> 0 0
	50 51 52 53 54 55	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE RID-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI	0 0 1 1 2 0 0 0	0 0 60 91 76 0 0 0 0 0
	50 51 52 53 54 55 56	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE ZID-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU	0 0 1 1 2 0 0 0 0 0 0 0 0	0 0 91 76 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE ESD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASELAN SULU TAWI-TAWI SULU SULU SULU TAWI-TAWI SULOLAI SURIGAO DEL NORTE CAMIGUIN	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0	0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57 58 59 60	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE SURIGAO DEL NORTE CAMIQUIN AGUSAN DEL NORTE	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57 58 59 60 61	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE TID-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWL-TAWI <u>SUD-total</u> SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORIENTAL	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 60 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57 58 59 60 61 62	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SULU SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCEIDENTAL MISAMIS OCCIDENTAL	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57 58 59 60 61 62 63	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORENTAL MISAMIS ORENTAL BUKIDNON	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57 58 59 60 61 62	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUDAGAI ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
IX X	50 51 52 53 54 55 55 55 55 57 58 59 60 61 62 63 64	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUB-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS ORIENTAL MISAMIS ORCIDENTAL BUKIDNON AGUSAN DEL SUR SUB-total	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IX X	50 51 52 53 54 55 55 55 55 57 58 59 60 61 62 63 64	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUTHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
IX	50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 63 64	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCCENTAL MISAMIS OCCENTAL MISAMIS OCCENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR SURIGAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
IX X	50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 64 65 66 67	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE TUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUD-total SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS ORCIDENTAL BUKIDNON AGUSAN DEL SUR SUD-total SURIGAO DEL SUR DAYAO ORE.NTAL DAYAO ORE.NORTE	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IX X	50 51 52 53 54 55 56 57 58 59 60 61 61 62 63 64 65 66 67 68	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUTHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE GAMIGUIN AGUSAN DEL NORTE SURIGAO DEL SUR SURIGAO DEL SUR DAYAO DEL SUR DAYAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
IX X	50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 64 65 66 67	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE AMBOANGA DEL NORTE CAMIGUIN SURIGAO DEL NORTE MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR SUBCIAD SURIGAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
X	50 51 52 53 54 55 56 57 57 58 59 60 61 62 63 64 65 66 67 68 69	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUDHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWLTAWI <u>sub-total</u> SURIGAO DEL NORTE MISAMIS OCEIENTAL MISAMIS OCEIENTAL MISAMIS OCEIENTAL BUKIDNON AGUSAN DEL SUR Sub-total SURIGAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR SOUTH COTABATO sub-total	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
X	50 51 52 53 54 55 56 57 58 59 60 61 61 62 63 64 65 66 67 68	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE AMBOANGA DEL NORTE CAMIGUIN SURIGAO DEL NORTE MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR SUBCIAD SURIGAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR DAVAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
IX X	50 51 52 53 54 55 55 55 56 57 58 59 60 61 62 63 64 63 64 67 68 69 70 71	EASTERN SAMÁR NORTHERN LEYTE SOUTHERN LEYTE SUTHERN LEYTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR SURIGAO DEL SUR DAYAO OREINTAL DAYAO OREINTAL DAYAO DEL SUR SURIGAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
X	50 51 52 53 54 55 55 55 56 57 58 59 60 61 62 63 64 63 64 67 68 69 70 71	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUD-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE GAUGUN SULU TAWI-TAWI SURGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR SUD-total SURGAO DEL SUR DAYAO ORENTAL DAYAO ORENTAL DAYAO ORENTAL DAYAO DEL SUR SOUTH COTABATO SUD-total LANAO DEL SUR	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0
X	50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72	EASTERN SAMAR NORTHERN LEYTE SOUTHERN LEYTE SUDAGANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE BASILAN SULU TAWI-TAWI SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCCENTAL MISAMIS OCCENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR SURIGAO DEL SUR DAVAO OREINTAL DAVAO DEL SUR SURIGAO DEL SUR SUTH COTABATO	0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 91 76 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

AREA ELIGIBLE FOR DISTRIBUTION UNDER CARP : CIS

egion		Province	Arca Eligible for Distribution under CARP	Designed Irrigable Ares in Wel Season	R±110 (%)
1	1	ILOCOS NORTE	26	590	4
-	2	ABRA	0	Û	0
	3	ILOCOS SUR	0	0 750	0 100
	4	MOUNTAIN PROVINCE LA UNION	750 50	340	15
	5 6	BENGUET	0	0	0
	7	PANGASINAN	<u>0</u> 0	0	0
		Sub-total	826	1,630	49
n	8	BATANES	0	0 721	0 18
	9 10	CAGAYAN KALINGA APAYAO	131	0	0
	11	ISABILA	, o	0	Q
	12	IPUGAO	0	0	0
	13	NUEVA VISCAYA	830	3,624	23
-	_14	QUERINO	0	4,345	0 22
m	15	rub-totsi NUEYA ECDA	0	0	0
111	16	TARLAC	Ŭ .	. 0	D
	17	ZAMBALES	0	0	0
	18	PAMPANGA	0	0	0
	19	BULACAN	0	0	0
-	20	BATAAN	0	0	0
17	21	sub-total AURORA	1,180	2,161	55
	22	QUEZON	0	0	0
	23	RIZAL	. 0	0	0
	24	CAVITE	0	0	0
	25	LAGUNA	D	0	0 0
	26 27	BATANGAS MARINDUOUE	0 12	U 240	5
	27	MARINDOQUE MINDORO ORIENTAL	0	0	õ
	29	MINDORO OCCIDENTAL	õ	0	0
	30	ROMBLON	Û	Û	0
-	31	PALAWAN	200	200	100 54
v	27	CAMARINES NORTE	1,392	<u>2,601</u> 53	<u> </u>
۲	32 33	CAMARINES NORTE CAMARINES SUR	41	0 33	0
	34	CATANDUANES	õ	ů.	0
	35	ALBAY	0	0	0
	36	SORSOGON	. 0	0	0
-	37	MASBATE	42	50	<u> </u>
¥1	38	sub-totzl	830	<u> </u>	0
41	39	CAPIZ	Û	. 0	õ
	40	ANTIQUE	367	1,278	29
	41	ILOILO	100	450	22
	42	NEGROS OCCIDENTAL	. 0	0	0
-	43	NEGROS DEL NORTE	0 467	G	27
VII	44	sub-total CEBU	<u>467</u> 30	650	5
• 11	44	NEGROS ORIENTAL	321	815	38
	45	BOHOL	0	Q	0
-	47	SIQUUOR	. 0	0	0
		sub-total	351	1,495	
m	48 49	NORTHERN SAMAR SAMAR	0 0	0	0
	49 50	EASTERN SAMAR	0	0	0
	ŝĩ	NORTHERNLEYTE	1,240	4,452	28
_	52	SOUTHERN LEYTE	11	1,056	11
		sub-toinl	1,351	5,508	25
IX	53	ZAMBOANGA DEL NORTE	774	1,302	59 82
	54	ZAMBOANGA DEL SUR	287	350	82 Q
	55 56	BASILAN SULU	U U	0	0
	57	TAWITAWI	Ŭ		0
		sub-total	1,961	1,652	64
х	58	SURIGAO DEL NORTE	0	0	0
	59		0	Q 448	0
	60 61	AGUSAN DEL NORTH MISAMIS OPTENTAL	57 48	660 379	9
	61 62		124	1,072	12
	63		769	1,820	42
	64	AGUSAN DEL SUR	2,136	775	276
		sub-total	3,134	4,697	67
XI	65	SURIGAO DIEL SUR	462	2,699	17
	65		50 0	300	17 0
	67 68	DAVAO DEL NORTE DAVAO DEL SUR	0	. 0	0
	69 69	SOUTH COTABATO	321	1,088	30
-		sub-total	833	4,087	20
хп	70	LANAO DEL NORTE	0	0	0
	71	LANAO DEL SUR	. 0	0	0
	72	NORTH COTABATO	0	0	0
	73	MAGUINDANAO	0	Û	0
	74	SULTAN KUDARAT	0	0	0
-		sub-total	0	0	. 0

AREA ELIGIBLE FOR DISTRIBUTION UNDER CARP : CIP

legion	Province	Area Eligible for Distribution under CARP	Designed Irrigable Area In Wet Season	(Unit ; hz · Katko (%)
1	1 ILOCOS NORTE	0	0	0
	2 ABRA	0	0	0 :
	3 ILOCOS SUR	153	562	27 100
	4 MOUNTAIN PROVINCE 5 LA UNION	595	595 0	0
	6 BENGUET	20	. 75	27
-	7 PANGASINAN	0	0	0
	Sub-total	768	1,232	62
н	8 BATANGS 9 CAGAYAN	0	0 0	0 0
	10 KALINGA APAYAO	180	280	64
	11 ISABELA	0	0	0
	12 IFUGAO	. 0	0	0
	13 NUEVA VISCAYA	0	0	0
_	14 QUIRINO	0	0	0
111	sub-tota) 15 NUEVA ECUA	<u>180</u> 0	280	<u>64</u> 0
111	16 TARLAC	0	0	· 0
	17 ZAMBALES	õ	õ	0 [°]
	18 PAMPANGA	0	0	0
	19 BULACAN	·. 0	0	. 0
-	20 BATAAN	<u>0</u>	0	0
īv	sub-fotal	0	00	0
14	21 AURORA 22 QUEZON	152	U 247	62
	23 RIZAL	0	0	0
	24 CAVITE	350	310	113
	25 LAGUNA	0	0	0
	26 BATANGAS	0	0	0
	27 MARINDUQUE	0	0	0
	28 MINDORO ORIENTAL	0 0	0 0	0 0
	29 MINDORO OCCIDENTAL 30 ROMBLON	0	0	- 0
	31 PALAWAN	500	650	11
	sub-foial	1,002	1,207	83
v	32 CAMARINES NORTE	200	265	75
	33 CAMARINES SUR	0	0	0
	34 CATANDUANES	0	0	0
	35 ALBAY	0	0	0
	36 SORSOGON 37 MASBATE	0 357	0 376	95
	sub-total	557	641	87
VI	38 AKLAN	0	0	0
	39 CAPIZ	· 0	0	0
	40 ANTIQUE	0	0	0
	41 ILOILO	0	0	0 84
	42 NEGROS OCCIDENTAL 43 NEGROS DEL NORTE	172 0	205 0	- 0
~	sub-lotal	172	205	84
VII	44 CEBU	25	200	13
	45 NEGROS ORIENTAL	830	2,350	35
	46 BOHOL	0	0	0
-	47 SIQUUOR	10	200	5
	sub-iotal	865	2,750	
VIII	48 NORTHERN SAMAR	0	0	0 0
	49 SAMAR 50 EASTERN SAMAR	0	. 0 0	.0
	SO EASTERN SAMAR SI NORTHERN LEYTE	110	100	110
	52 SOUTHERN LEYTE	91	203	44
	lotol-dul	201	308	65
IX	53 ZAMBOANGA DEL NORTE	127	185	69
	54 ZAMBOANGA DEL SUR	0	0	0
	55 BASILAN	0	0	0
	56 SULU 57 TAWI-TAWI	0	0	0
	57 IAWI-IAWI sub-total	127	185	69
x	58 SURIGAO DEL NORTE	0	0	0
• •	59 CAMIGUIN	õ	0 ·	0
	60 AGUSAN DEL NORTE	0	0	0
	61 MISAMIS ORIENTAL	9	80	11
	62 MISAMIS OCCIDENTAL	0	0	0
•	63 BUKIDNON 64 ACHSAN DEL SUR	651	350 900	33 72
	64 AGUSAN DEL SUR sub-total	774	1,330	58
XI	65 SURIGAO DEL SUR	200	670	30
	66 DAVAO ORIENTAL	0	0	0
	67 DAVAO DEL NORTE	220	370	59
	68 DAVAO DEL SUR	100	150	67
· _	69 SOUTH COTABATO	70	400	18
	sub-total	590	1,590	37
XII	70 LANAO DEL NORTE	0	0	0
	71 LANAO DEL SUR	0	0	. 0
	72 NORTH COTABATO	0 : : : 0	0	0
	73 MAGUINDANAO	U 0	0	
÷			v	**
: .	74 SULTAN KUDARAT sub-total	0	Ç	0

PRICES OF MAJOR WORKS

	EACAVALION		EMBANKMENT	ENT	CUINC	CUNCKETE WURKS	KS.	REINFORCEMENT			CONCRETE PIPE WORK (/m)	E PIPE W	JRK (/m)	
NO. PROVINCE	MANPOWER EQUIPMENT	1	MANPOWER EQ /m3	QUIPMENT	CLASS A (/m3	CLASS B CI /m3	CLASS C /m3	BAR WORKS /ton	DIA. 300 MM	DIA. 450 MM	DIA. 600 MM	DIA. 800 MIM	DIA. 1,000 MIM	DIA. 1,200 MM
1 ILOCOS NORTE	59.80	42.60	44.30	59. <u>3</u> 0	2.520.00	2.210.00 2	2.010.00	21.220.00	530.00	740.00	480 00	1 530.00		2 700 M
2 ABRA	35.00	13.50	22.60	28.10	2,835.00		1.585.00		470.00			1 065 00	1 890.00	2115.00
3 ILOCOS SUR	76.00	94.00	83.00	55.00	•		. •	•	122.00			304.00	365.00	607.00
4 MOUNTAIN	55.00	25.00	45.00	ŀ	NA	t	NA	•	NA .		Ţ	NA	NA	NA.
S LA UNION	46.00	35.00	46.00	35.00	2,000.00	2,000.00	1,800.00	20,000.00	290.00	58		900.006	1.200.00	2,000.00
6 BENGUET	60.61	•	•	•	6,200.00	1	•	•	,	•		'		•
7 PANGASINAN	42.70	23.20	47.00	36.10	!	,	,	•	525.00	595.00	675.00	775.00	•	•
8 BATANES												·		
9 CAGAYAN	30.00	24.70	37.50	28.50	!	•	1	•	218.65	282.35	318.70	493.00	NDA	NDA
10 KALINGA APAYAO	43.65	23.90	47.15	17.90	4,249.25	NDA	NDA		NDA			604.46	630.86	NDA
11 ISABELA	36.35	22.70	30.30	NDA	3,034.70	1,970.30	1,575.20	18,140.00	414.00	÷		-	1.745.50	VQN
12 IFUGAO	43.40	22.40	•	•	3,066.00				•	861.90	-		• •	
13 NUEVA VISCAYA	28.00	20.50	54.20	27.10	3,000.00	2,500.00.2	2,200.00	·	350.00	500.00		950.00	1.200.00	1,460,00
Q 14 QUIRINO	35,30	26.80	44.10	32.95	4,012.00	3,274.00 2	2,885.00	19,160.00	521.00			1.809.00	5	3.260.00
15 NUEVA ECIJA	34.55	17.70	28.80	23.20	2,371.00	2,014.00	1,936.00	23,100.00	550.00	840.00		1,470.00		2,250.00
Z 16 TARLAC				-										
	:												-	
18 PAMPANGA	4. 													;
19 BULACAN														
20 BATAAN				·										
	31.45	18.00	26.70	35.20	3,050.00		1,585.00	20,000.00	780:00				3,050.00	3,350.00
22 QUEZON	55.15	21.40	55.15	21.40	5,295.00	4,548.00 4	4,492.00			1,205.00	1,557.00	2,342.00		
23 RIZAL			-	•										
24 CAVITE	33.90	•	28.25	t	3,890.55	3,750.45		10,900.00	485.00	620.00	755.00	889.00	1,125.00	1,200.00
25 LAGUNA					· .									
26 BATANGAS			• .											
27 MARINDUQUE												-	•	
28 MINDORO OR.	•			. '			. •			•			•	
29 MINDORO OCC.		•										•		•
30 ROMBLON	33.90	25.50	33.90	25.50	4,200.00	3,950.00	3,825.00	17,220.00	550.00	838.00	1,565.00	1,695.00	1,950.00	2,150.00
31 PALAWAN	42.80	23.35	42.80	14.75	3,873.00	2,923.00	2,815.00	25,075.00	420.00	583.00	778.00			2,602.00
32 CAMARINES N.	66.46	31.10	73.75	31.90	3,145.00	1	t	•	'	550.00	786.00			. •
33 CAMARINES S.						•				-	•			
34 CATANDUANES	53.20	24.30	53.20	27.00	4,370.00	3,800.00	2,830.00	23,000.00	V N	966.00	1,300.00	2,800.00	NA	NA
35 ALBAY	59.30	23.30	59.30	45.80	2,570.00	1,870.00	1,370.00	1	470.00	670.00			2,44	2,740.00
36 SORSOGON	55.00	25.00	60.00	25.00	4,260.00	. '	•	•	550.00	760.00	***		. '	•
37 MASBATE	67.00	38.00	54.00	38 00	A 171 00			21 000 00	010 W	1 716 00	00 000 F	000000		

Table C2-28 (1/2)

OF MAJOR WORKS	
PRICES OI	

a gan ing kang

				Í							(III) YAOM A HI A LANDANOO		1111 1111	
NU. PROVINCE	MANPOWER EQUIPMENT m3 /m3		MANPOWER EQUIPMENT /m3 /m3	QUIPMENT /m3	CLASS A CLASS B /m3 /m3		CLASS C /m3	BAR WORKS /ton	DIA. 300 MM	DIA. 450 MM	DIA. 600 MM	DIA. 800 MM	DIA. 1,000 MM	DIA. 1.200 MM
38 AKLAN 39 CAPIZ 40 ANTIOUTS														
41 ILOILO	66.00	39.00	44.00	15.00	4.071.00	3.071.00	2.285.00	NDA	NDA	1.036.00	1 333.00	NDA	VON	ACIN N
42 NEGROS OCC.	54.00	27.00	54.00	18.00	2,558.00	2,023.00		22.175.00	670.00	1.085.00	1.462.00	2.127.00	3.050.00	' '
43 NEGROS DEL N.														
44 CEBU	36.25	15.25	39.40	17.55	3,758.00	2,773.00	NN -	23,900.00	462.00	746.00	1,094.00	1,601.00	NA	NA
45 NEGROS ORIENTAL	59.00	24.00	51.00	60.00	3,926.00	2,962.00	2,204.00	30,940.00	620.00	800.00	1,060.00	1,580.00	2,300.00	3,380.00
46 BOHOL 47 SIOUTOR							·							
	40.00	24.00	56.00	30.00	4,284.00	3,857,00	2,923.00	,	732.00	00.860.1	1,465.00	1.830.00	2.200.00	2,720,00
49 SAMAR														
50 EASTERN SAMAR	32.95	26.60	36.00	27.20	2,334.25	2,065.70	2,018.55	•	544.95	981.75	1,325.60	2,077.65	3,292.50	4,118.95
	43.30	42.55	37.40	20.80	4,406.60		·	•	695.15	949.52	1,109.85	1,249.65	1,555.25	
52 SOUTHERN LEYTE		. '												
53 ZAMBOANGA DEL N.		20.00	43.50	25.00	5,805.00	VDN	VON	21,800.00	1,210.00	1,465.00	1,870.00	2,154.00	VDN	NDA
	28.00	41.00	28.00	67.00	3,728.00	1,283.00		,			1,253.00	1,886.00		
55 BASILAN														
56 SULU														. •
57 TAWI TAWI														
58 SURIGAO DEL N. 59 CAMIGUN	41.00	31.15	47.00	117.20	4,744.00		1,992.00	20,450.00	612.00	00.668	1,146.00	1,774.00	2,985.00	3,278.00
60 AGUSAN DEL NORTE	E 49.00	21.00	63.00	29.00	4,000.00	3,401.00	3,320.00	24,150.00	673.00	976.00	1.269.00	1.930.00	2,835.00	3.735.00
61 MISAMIS ORIENTAL		24.10	94.50	•	2,972.00	NDA	1,948.00	1	575.00	1.201.00	1.785.00	2.626.00	NDA	NDA
62 MISAMIS OCC.	36.40	25.20	42.45	35.20	3,420.00	2,962.00	2,502.00	•	400.00	500.00	600.00	\$50.00	950.00	1,050.00
63 BUKIDNON	45.10	23.20	75.20	26.20	5,356.00	3,560.00	2,832.00	NDA	940.00	NDA	NDA	NDA -	NDA	NDA
64 AGUSAN DEL SUR	48.50	21.40	48.50	58.20	3,725.00	2,810.00	2,100.00	27,000.00	695.00	960.00	1,265.00	1,895.00	3,920.00	4,100.00
65 SURIGAO DEL SUR	37.00	33.00	40.00	31.00	5,030.00	2,300.00	1,800.00	۲	572.00	1,052.00	1,348.00	2,308.00	2,880.00	3,800.00
66 DAVAO ORIENTAL		19.40	54.70	19.40	•	۹		16,340.00		680,00	1,004.00	2,072.00		
67 DAVAO DEL NORTE		30.35	36.75	35.85	4,456.00	1,801.65	NDA	NDA	541.80	964.70	1,223.40	1,633.15	NDA	NDA
68 DAVAO DEL SUR	30.30	42.30	50.90	62.45	4,297.10	1,977.05	•	15,283.45	625.55	1,233.75	1,333.65	2,229.70	3,424.00	•
69 SOUTH COTABATO	ι	38.00	30.30	38.00	3,523.50				448.40	833.00	1,230.00	1,875.00	2,306.00	2,950.00
70 LANAO DEL NORTE														
71 LANAO DEL SUR														
72 NORTH COTABATO										·				
73 MAGUINDANAO	35.00	17.50	23.35	19.85	2,319.00	2,148.00	NA	21,670.00		525.00	740.00	805.00	1,130.00	
74 SULTAN KUDARAT	35.00	33.55	•	•	5,130.25	2,427.10	2,132.05	95,454.00	ļ	1,078.10	1,349.80	1,818.84	2,229.25	2,698.29
AVERAGE	45.81	28.22	46.81	. 34.89	3,828.20	2,754.72	2,440.95	24,453.52	561.44	833.52	1,109.02	1,583.01	2,138.70	2,678.01

WAGES
ABOUR '
ANDL
FERIALS /
OF MA7
PRICES

			MATERIALS	IALS					FUEL				LAB	LABOUR (man-day)	lay)		
NO. PROVINCE	GRAVEL m3	SAND CEMENT CEMENT TIMBER REINFORCE- m3 Ann 40 kg Addit MENT Ann	VT CEM	EMENT TU	MBER R	LEINFORCE- MENT Am	CASOLINE //it.		L. OIL D.E. OIL (Aic Ait.	GREASE	FOREMAN	COMMON	MASON 0	COMMON LABOUR MASON CARPENTER WELDER OPERATOR DRIVER	WELDER	EQPT. OPERATOR	DRIVE
					Į												
1 ILOCOS NORTE	160.00	120.00 2,875.00		115.00	17.50	16,100.00	16.00	62.00	8.39	73.00	195.00	133.00	153.00	160.00	153.00	175.00	167.00
2 ABRA	218.00	212.00 3,000.00		120.00	18.00	16,700.00	16.55	55.00	8.57	50.50	120.00	70.00	100.00	100.001	100.00	100.00	100.00
3 ILOCOS SUR	250.00	220.00		136.00	19.00	16,000.00	15.20	40.00	•	50.00	141.00	06'06	125.10	125.10		132.60	164.65
4 MOUNTAIN	950.00	900.006	-	150.00	8.00	13,600.00	18.00	45.00	10.00	20.00	150.00	100.00	130.00	130.00	120.00	130.00	120.00
5 LA UNION	350.00	280.00	-	105.00	18.00	15,500.00	15.00	42.00	8.00	50.00	150.00	90.00	120.00	120.00	120.00	120.00	100.00
6 BENCUET	600.009	600.00	, 1	110.00	16.00					÷	141.00	16'06	50 701	112.41	125.09	132.59	118.36
7 PANGASINAN	225.00	220.00		110.00	20.00	13,470.00	22.21	42.00	42.00	45.00	120.00	70.00	100.00	100.00	90.00	100.00	118.00
8 BATANES	-													-			
9 CAGAYAN	289.25	279.00	г	172.80	15.00	24,100.00	16.40	44.00	9.27	40.25	135.00	75.00	÷.	. 110.00	110.00	110.00	90.00
10 KALINGA APAYAO	324.00	316.30	-	141.63	12.00	20,930.00	17.35	48.00	зţ,	46.00	173.30	130.96	150.94	150.94			164.97
11 ISABELA	357.74	343.17	-	110.00	13.00	18, 140.00	16.03	42.00	8.79	68.75	141.00	90.90	112.40	112.40	112.40	132.59	118.36
12 IFUGAO	292.75	286.90	-	125.00		11,500.00	17.00	50.00	8.50	80.00	158.54	108.44	124.59	142.63	124.59	150.13	135.90
13 NUEVA VISCAYA	244.00	228.00 2,625.00		105.00	12.50	16,570.00	15.70	50.00	8.50	100.001	143.00	109.001	125.00	125.00	125.00	150.00	136.00
14 QUIRINO	288.00	245.00 3,000.00		120.00	15.00	17,550.00	17.20	48.00	10.00	32.00	120.00	70.00	100.00	100.001	80.00	100.00	100.00
15 NUEVA ECUA	315.00	285.00 3,300.00		132.00	15.60	16,380.00	15.30	45.00	8.05	40.00	273.10	90.90	107.05	107.05	107.05	107.05	250.45
16 TARLAC																	
17 ZAMBALES						÷											
18 PAMPANGA															•		
19 BULACAN																	
20 BATAAN																	
21 AURORA	215.00 210.00	210.00 NDA		140.00	8.00	20,000.00	16.45	21.20	9.05	18.70	190.00	129.00	155.00	170.00	129.00	180.00	162.00
22 QUEZON	450.00 220.00	220.00	-	125.00	18.50	19,060.00	16.00	40.00	•	35.00	141.00	90:06	112.40	125.09	112.40	138.95	118.38
23 RIZAL										-			• • •				
24 CAVITE	672.85	672.85 322.85 2,737.50		109.50	18.00	11,100.00	15.50	44.00	7.80	125.00	195.35	132.23	159.35	175.48	175.48	184.85	166.80
25 LAGUNA								•									
26 BATANGAS				:		•											
27 MARINDUQUE	200.00 200.00	200.00		120.00	20.00	18,000.00	16.00	41.00	7.79	45.00	189.47	128.44	154.67	170.26		179.33	161.86
28 MINDORO OR.																	
29 MINDORO OCC.			•														
30 ROMBLON	335.00	335.00 305.00 2,950.00		118.00	18.50	17,220.00	15.55	40.00	8.50	75.00	120.00	. 70.00	100.00	100.00	00:00	132.00	0 118.00
31 PALAWAN	235.00	235.00 224.00 3,227.00	:	129.00	13.20	22,400.00	16.50	•	7.90	69.50	189.00	128.00	154.00	170.00	00.011	179.00	0 161.00
32 CAMARINES N.	200.00	150.00 2,625.00		105.00	12.50	· •	15.25	50.00	7.91	45.00	195.00	133.00	153.00	175.00	175.00	185.00	0 167.00
33 CAMANERIS S.			•	•••	- - -						•		· · ·				
34 CATANDUANES	200.00 200.00	200.00	:	05.66	14.00	23,000.00	17.00	45.00	-9:50	30.00	195.00	133.00	00.53.00	176.00	133.00	176.00	0 167.00
35 ALBAY	200.00	200.00 150.00 2,625.00		105.00	15.00	18,000.00	15.09	45.00	7.85	60.00	220.00	150.00	195.00	195.00	00.261 0		187.00
36 SORSOGON	180.00	160.00		104.00	11.00		16.00		1	55.00	195.00		176.00.	176.00		185.00	0 167.00
	00000	00 010															

Table C2-29 (1/2)

÷.

	. 1	MATERIALS					FUEL				LAB	LABOUR (/man-day)	ay)		
	EL SAND CE	CEMENT	TIMBER R	LEINFORCE	GASOLINE	T. OIL D.E. OIL		អ្	0	COMMON				EQPT.	
NU. PKUVINUE	mon 2m2 /m3	/40 kg	11po/	MENT /ton	/it.	ЧĽ	Aiê.	/kg	FOREMAN LABOUR MASON CARPENTER WELDER OPERATOR DRIVER	ABOUR	MASON (ARPENTER	WELDER O	PERATOR	ORIVER
38 AKLAN 39 CAPIZ									·						
40 ANTIQUE															
41 ILOILO	188.00 163.00 3,150.00	126.00	20.55	21,000.00	16.03		10.00	VDV	195.00	132.93	152.93	175.29	159.57	184.46	166.96
42 NEGROS OCC.	494.00 479.00	147.00	21.00	18,230.00	15.07	47.25	7.83	70.45	195.00	132.94	152.93	175.59	159.57	184.57	166.96
43 NEGROS DEL NORTE															
44 CEBU	341.00 331.00	111.00	19.00	18,550.00	16.11	49.70		74.00	195.00	133.00	153.00	175.00	NA	184.00	167.00
45 NEGROS ORIENTAL	300.00 258.00 2,550.00	102.00	17.00	20,420.00	16.04	46.96	7.94	106.67	141.00	91.00	108.00	126.00	126.00	133.00	119.00
46 BOHOL						·					·				
	100 00 350 00 0 25 00 00 00 00 00 00 00 00 00 00 00 00 00				() 1	00.74	50		00 000	00.00					
49 SAMAR		02.041	00·#1	00'000' 17	00.77			00.01	00007	00.101	00.411	00.411	M'411	188.00	00.6/1
50 EASTERN SAMAR	350.00 608.00	135.00	8 00	750.00	1 DO	40.00	00.6	40.00	120.00	70.00	100.00	00.001		00.001	00.00
51 NORTHERNI EVTE	307.25 293.10	123.07	16.23	73 990 00	1617	20.00	541	10.00	172.22	00.01	150.07	10.001	157 61	22 23 23 2	20.00
52 SOUTHERN LEYTE								00.10	40.011	14.04	14.00	16.001	10./01	00./C1	ふき
53 ZAMROANGA DEL N	310.00 470.00 3.000.00	120.00	20.00	21 800.00	16.00	00.02		87.50	102.00	121 00	150.00	1 57 00	157 00	V0 101	164.00
54 ZAMBOANGA DEL S.	252.00 252.00	80.00	10.00	5 424 00	16.00	45.00	800	2.2420	100.00	20.00	150.00		00.101	00.001	8.51
55 BASILAN											00:001	200017		00001	
S6 SULU															
57 TAWI TAWI															
58 SURIGAO DEL N.	375.00 367.00	90.00	10.00	20,450.00	15.54	47.50	8.34	33.50	207.35	90.90	186.93	186.93		196.56	178.28
59 CAMIGUN															
60 AGUSAN DEL N.	555.00 522.00	103.00	10.00	20,250.00	16.16	50.00	7.96	80.00	196.76	135.00	178.00	178.00	178.00	187.00	169.00
61 MISAMIS ORIENTAL	132.00 77.00 -	93.00	10.45	17,294.00	17.70	46.70	8.70	50.80	190.00	00.66	149.00	171.00	NDA	180.00	163.00
62 MISAMIS OCC.															•
63 BUKIDNON	2,250.00	90.00	6.50	17,949.00	16.44	39.55	8.25	46.55	225.19	112.69	183.12	205.48	197.14	209.92	197.14
64 AGUSAN DEL SUR	210.00 170.00 3,087.50	123.50	8.00	28,150.00	16.50	34.30	•	25.50	216.00	110.00	152.00	152.00	152.00	182.00	165.00
65 SURIGAO DEL SUR	40.00 40.00 -	129.75	7.50	25,750.00	•	39.85	1.	55.60	191.35	90.90	171.80	171.80	171.80	181.02	163.54
66 DAVAO ORIENTAL	197.90 188.80	156.00	13.40	20,582.40	17.50	40.00	9.25		191.85	96.90	149.64	149.64		181.02	163.54
67 DAVAO DEL NORTE	318.05 310.55 2,577.50	103.10	9.10	25,400.00	15.26	44.50	۰	47.50	191.35	90.90	149.64	171.80	171.80	181.02	163.54
68 DAVAO DEL SUR	303.75 296.15	127.95	9.10	15,283.45	16.30	47.00	8.10	67.00	191.35	16'06	171.80	171.80	156.23	156.23	163.54
69 SOUTH COTABATO	262.00 239.00	85.00	14.00	18, 180.00	16.20	46.25	8.01	46.25	191.00	91.00	149.00	149.00	163.00	182.00	163.00
70 LANAO DEL NORTE															
71 LANAO DEL SUR				·											
72 NORTH COTABATO															
73 MAGUINDANAO	900.00 820.00	100.00	8.50	20,000.00	11.60		7.16	70.00	158.00	102.00	120.00	140.00	126.00	149.00	133.00
/4 SULIAN KUDAKAI	120.00	92.00	8.8	31,000.00	9.60	47.00	8.50	00.06	141.00	90.90	107.04	107.04	112.40	132.59	118.36
AVERAGE	22.22 29/31 2891.44	118.00	13.86	19.087.74	67.61	44.4	9.33	56.41	175.61	106.27		02 07			

PRICES OF MATERIALS AND LABOUR WAGES

C2 - 31

Table C2-29 (2/2)

ANNEX D

IMPLEMENTATION PROCEDURES OF CISs/CIPs

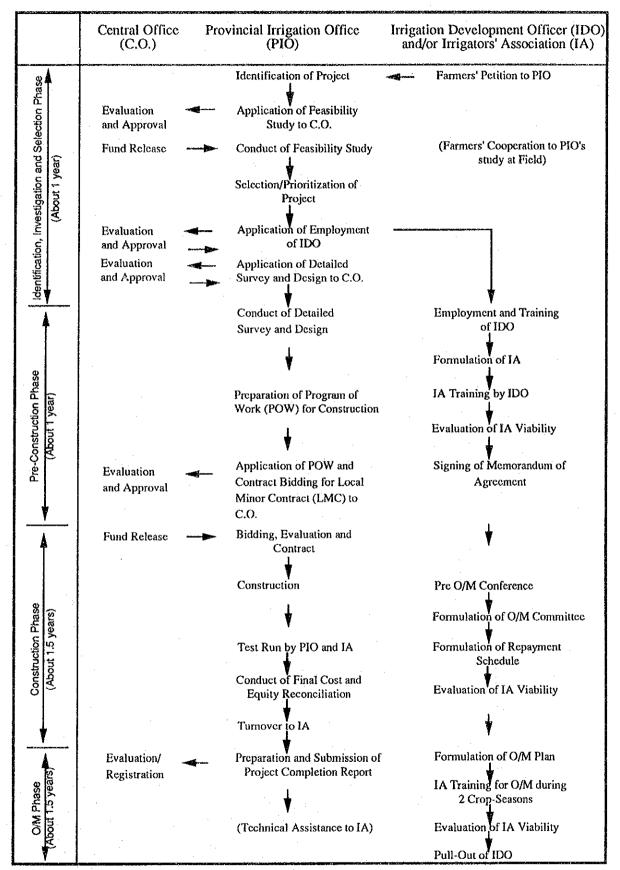
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ANNEX D

IMPLEMENTATION PROCEDURES OF CISs/CIPs

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		Page
1.	Major Work Flow of Communal Irrigation Project Implementation	D-1
2.	Implementation Procedures of CISs/CIPs	D-2
3.	Preliminary Investigation Report for Communal Project/System (NIA-CIP Form I-2)	D-3
4.	Communal Project Institutional Profile (NIA-CIP Form I-3B)	D-7
5.	Initial Project Feasibility Report (NIA-CIP Form I-3C)	D-20
6.	Final Project Feasibility Report (NIA-CIP Form I-3)	D-24
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MAJOR WORK FLOW OF COMMUNAL IRRIGATION PROJECT IMPLEMENTATION

Note: Application and Submission from PIO to C.O. are made through Regional Irrigation Office.

IMPLEMENTATION PROCEDURES OF CISs/CIPs

ACTIVITIES OF PIOS/RIOS (Activities of RIO are shown in brackets.) Identification. Investigation and. Sciection Phase (About 1 year) I-1 Identification of Projects (2 weeks)	Related Activities of IDO/IAs	Activities of Central Office		ACTIVITIES OF PIOs/RIOs (Activities of RIO are shown in brackets.)	Related Activities of ID
Identification, Investigation and Selection Phase (About 1 year) I-1 Identification of Projects (2 weeks)	an a	٢٠٠٠ <u></u>	-		
Sclection Phase (About 1 year) I-1 Identification of Projects (2 weeks)					
Sclection Phase (About 1 year) I-1 Identification of Projects (2 weeks)				III. Construction Phase (About 1.5 years)	
I. 1 Identification of Projects (2 weeks)					
				III-1 Bidding for LMC III-2 Evaluation of Bid and Contract Award (4 weeks)	
	 Farmers' Petition of CIP/CIS to PIO 			III-3 (Approval of Contract by RIO) and Issuance of Notice to	
I-2 Preparation and Submission of Program-of-Work (POW)		I. 3 Evaluation of POW and Fund Release for Preliminary Investigation		Proceed (2 weeks)	
for Investigation and Data Gathering to CO through RIO	· · · · ·	FIGHTING FARCOBETON		111-4 Construction (52 weeks)	20. Orientation of Planning of On-Fi
(1 week) I.4 Conduct of Preliminary Investigation (see Form I-2) and		I. S Evaluation of Results and Fund Release			Conduct of Maintenance Works Structures
Submission of Results to C.O. through RIO (1 week)		for Investigation and Data Gathering	-	III-5 Inventory of Completed Facilities by PIO and IA (1 week) III-6 Test Run by PIO and IA (2 weeks)	2). Pro O&M Conference (1 week)
I-6 Investigation and Data Gathering	 Farmers' Cooperation to PIO's Investigation 				22. Reactivation or Formulation of G
 Soil Survey and Analysis (1 week) 	and Data Gathering at Field				(1 week) and Appointment of O
Discharge Measurement				111-7 Repair of Defect of Facilities (6 weeks)	23. Formulation of Repayment Sche
Agro-Economic Survey (1 week) Institutional Profile Preparation (see Form I-3B)				III-8 Conduct of Final Cost and Equity Reconciliation (2 weeks)	24. Evaluation of IA Viability (1 we
I. 7 Preparation of Initial Project Feasibility Report		I, 8 Evaluation of Report and Fund Release for		111-9 Turnover of Facilities to IA (see form III-3B and 3C) (2 weeks)	
(see Form I-3C) (1 week)		Topo. Survey			
I.9 Conduct of Topo. Survey (4 wecks)			1		
-10 Preparation of Technical Report (1 week) -11 Preparation of Final Project Feasibility Report					
-11 Preparation of Final Project Feasibility Report (see Form I-3) (1 week)				IV. Operation & Maintenance Phase	
-12 Project Evaluation, Selection & Prioritization at PIO			Į į	(About 1.5 years)	
(1 week) and st RIO (1 week)		T () Production of the Elect		IV-1 Preparation and Submission of Project Completion Report	25. Conduct of IA Workshops (3 we
-13 (Proparation and Submission of the Following to C.O.)		I-14 Evaluation of the List I-15 Evaluation of the Program		(5 weeks)	Financial Management
List of Project for Implementation (2 weeks) Regional Annual Program (2 weeks)		I-16 Evaluation of POW and Fund Release for			 System Management
 POW of Detailed Survey and Design (2 weeks) 		Detailed Survey (1 week)			 Monitoring and Evaluation (M
	1. Request to hire IDO to CO through RIO (6 weeks)	Evaluation and Approval of Request		 Technical Assistance to IA 	 Firming up of O&M Flans and I Board of Directors (BOD) of IA
					Assembly (2 weeks)
		<u></u>	{		27. Conduct of Regular IA Meetings
I. Pre-Construction Phase (About 1 year)					Activities (20 weeks)
					 Implementation of System Mat
	3. Hire and Training of IDO at PIO/RIO (4 weeks)				 Implementation of Financial N
	4. Orientation to IDO at PIO (2 days)				· Education and Training
	 Commencement of IDO's Integration with Farmers Community or IA (4 weeks) 	· .			 Implementation of Complete N
	6. Reactivation or Formulation of Committee for Pre-	· · · ·			Mechanism
	Construction (2 weeks)				 Issuance of Water Service Bill In-Season Monitoring and Eva
II-2 Conduct of Design (10 weeks)	7. Firming-up of IA Membership (8 weeks)				28. Post-Season Evaluation through
	 Formulation of IA and Ratification of By-Laws (2 weeks) 				Assembly (2 weeks)
II-3 Preparation and Submission of Construction POW to RIO	9. Commencement of Negotiation of Right-of-Way				29. Conduct of Regular IA Meetings
	10. IA Training Needs Analysis (I week) and Conduct of				Activities (20 weeks) Implementation/Updating of S
	IA Training				 Implementation/Updating of Fill
1	 Preparation and Submission of IA Registration Paper to Securities and Exchange Commission (SEC), 				Plan
	(4 weeks)		1		 Education and Training
II-4 (Evaluation of Construction POW by RIO and Submission 1	12. Appication of Water Permit to National Water				 Implementation/Updating of C Mechanism
to C.O.) (3 weeks)	Resources Board (NWRB), (4 weeks)				 Issuance of Water Service Bill
	13. IDOs Training for Construction Phase (2 weeks)	II-5 Evaluation of POW and Fund Release for Construction (4 weeks)			 In-Season Monitoring and Eva
	14. First Pre-Construction Conference (2 days) 15. Reactivation or Formulation of Working Committee	Construction (4 weeks)			30. Annual Post Evaluation through
(LMC) to C.O.) (4 weeks)	for Construction (2 weeks)				Assembly (2 weeks)
	16. Formulation of NIA-IA Policies and System for	II-7 Evaluation of Contract Bidding and	·		31. Revision/Amendment of By-Lav 32. Evaluation of IA Viability (1 we
	Construction Phase (4 weeks)	Approval for LMC			33. Pull-out of IDOs
·	 Final Pre-Construction Conference (2 days) Byziustion of IA Viability (1 week) 				
	 Byzadaulou of DA visionity (1 week) Signing of Memorandum of Agreement (MOA) 		1	•	
	(I week)				
·····			J l	Note: PIO: Provincial Irrigation Office, RIO: Regional Irri	

Note; PIO: Provincial Irrigation Office, RIO: Regional Irrigation Office, IDO: Irrigation Development Officer, IA: Irrigator's Association, CO: Central Office of NIA

DO/IAs	Activities of Central Office
From Facilities and	
ks on Completed	
c)	
CO&M Committee O&M Personnel (1 week)	
heme (1 week)	
week)	
i	
weeks)	
	IV-2 Evaluation/Registration
(M&E)	
d M&E System through [A and General	
ngs and the Following	
Management Plan	
l Management Plan	
e Management	
iil Evaluation	
gh BOD and General	
ngs and the Following	
IS and the LOUGMINS	
f System Management Plan	
f Financial Management	
f Conflict Management	
ND	•
Svaluation	
gh BOD and General	
aws (2 weeks)	
wcek)	
:	

PRELIMINARY INVESTIGATION REPORT FOR COMMUNAL PROJECT/SYSTEM (NIA-CIP Form I-2)

PROJECT DESCRIPTION

Projec	t/System category : N	ew	Rehab	
	Re	hab Extention		
Evne c	of Diversion Works :	Existing		
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Proposed		
Cocoti	on existing area (Bara	:	•	4 ¹
LUCAU	on existing area (Dara	ngays anu Towns)	. Il ichau	<u> </u>
a.	Water Source(s) of e	•••		
	Main source :			1.00
	Supplementary/source			
b .	Proposed water source			
	Main source :			
	Supplementary source	æ:		
Estima	ted potential area :	· . :		
			<u>Season</u>	
		WE	Г	DRY
A.	Presently irrigated are	ea		
B.	Area to be rehabilitate			
С.	New area to be gener	ated		
5	ATOT	L		
Project	Proponents			
	- E			

1. River discharge at the time of investigation _____ lps

2. Coordinates of Diversion Point : Latitude _____ Longitude_____

3. Existing Water Rights :

II.

TOTAL

Amount Allocated

	:	<u>Nos.</u>	Wet	Dry
a.	Upstream			
b .	Downstream		<u></u>	
c.	Proposed project	· · · · · · · · · · · · · · · · · · ·		

III. PRELIMINARY ENGINEERING DATA

Data used : True elevation _____: assumed elevation _____

- 1. Sketch layout showing :
 - a) limits of potential irrigable area
 - b) site of existing and proposed diversion works
 - c) location of existing canals and structures
 - d) roads and barrio/town sites

e) other landmarks such as cemetery, school buildings

2. Elevation of potential irrigable area :

- a) highest : _____ meters
- b) lowest : _____ meters
- c) River bed elevation at point of diversion _____ meters
- d) Average slope of potential area _____ percent

IV. ADDITIONAL INFORMATION

1. Special structures: (indicate in layout)

a. Kind of structures : No. Approx. - Tunnel

Length

Are there access roads to the diversion site?

Yes _____

If yes, describe conditions of these roads. If improvement is needed, state estimated cost of repairs/construction

No _____

b.

a.

2.

If no, estimate length and cost of temporary access road to be constructed.

3. Special problems expected (e.g. reclamation, siltation seepages, salinity, quarrying, etc.)

4. Construction materials available within the project area:

 Sand
 In small quantity
 Sufficient

 Gravel
 In small quantity
 Sufficient

 Boulders
 In small quantity
 Sufficient

 Others - (specify)
 In small quantity
 Sufficient

 ______In small quantity
 Sufficient

 ______In small quantity
 Sufficient

5. Are there existing irrigation associations in the area?

.

NOTE: Sufficient means enough for project requirement.

SCHEME OF DEVELOPMENT

V.

VI.	ADVERSE EFFECT OF PROJECT IF ANY :	
		•
:		•
VII.	COMMENTS AND/OR RECOMMENDATIONS :	
:		
	Date Investigated :	
	Submitted By :	
Engle		
Enclo	1. Sketch layout	

 $\mathbf{D} = \mathbf{0} + \mathbf{0} +$

COMMUNAL PROJECT INSTITUTIONAL PROFILE (NIA-CIP Form 1-3B)

N T	00.00				
Nan	ne of Project/Syst	tem			
Proj	ect/System Categ	gory : New		_Rehab	
		Rehab Ext	ention		
Loca	ation (Barangays	and towns) of e	existing area (if rehab.)	:
			-		
			• • • • • • • • • • • • • • • • • • •		
Estir	nated potential a	rea and number	of farmers pe	r barangays	
	•	Area			ners
<u>Nam</u>	e of Barangay	Wet	Dry	Wet	Dry
a	in <u></u>				
~	and the second				
<u>HIS</u>	TORY AND A		· · ·		projects
<u>HIS</u>	TORY AND A:		ovincial office	e)	
<u>HIS</u> profi	TORY AND As ile, these could be Discuss briefl	e collected at pro y data gathered	ovincial office regarding fir	e) st construction	of the sys
<u>HIS</u> profi	TORY AND As ile, these could be Discuss brieff For projects v	e collected at pro y data gathered	ovincial office regarding firs anent/perman	e) st construction ent dam. Discu	of the sys
HIS profi 1.	TORY AND As ile, these could be Discuss briefl For projects v gathered.	e collected at pro y data gathered with semi-perma of canal and o	ovincial office regarding fire anent/perman	ent dam. Discu	of the sys
HIS profi 1.	TORY AND As ile, these could be Discuss briefl For projects v gathered Major repair	e collected at pro y data gathered with semi-perma of canal and o	ovincial office regarding fire anent/perman	ent dam. Discu	of the sys
HIS profi 1.	TORY AND As ile, these could be Discuss briefl For projects v gathered Major repair	e collected at pro y data gathered with semi-perma of canal and o	ovincial office regarding fire anent/perman	ent dam. Discu	of the sys
HIS profi 1.	TORY AND As ile, these could be Discuss brieff For projects w gathered Major repair presenting dat	e collected at pro y data gathered with semi-perma of canal and o	ovincial office regarding firs anent/perman other structur	e) st construction ent dam. Discu res. Use the t	of the sys
HIS profi 1. 2. 3.	TORY AND As ile, these could be Discuss briefl For projects v gathered Major repair presenting dat The space prov that should be	e collected at pro y data gathered with semi-perma of canal and o a gathered.	evincial office regarding firs anent/perman other structur tem should not e report. In p	e) st construction ent dam. Discu- res. Use the t ot limit the data reparing the re-	of the sys uss briefl table bell or inform port addi

** Revised as of February, 1988

Structure	Number/ Length	Who Provided Fund	Date Construction Repair	Farmers' Contribution
· · · · · · · · · · · · · · · · · · ·				:
	· · · · · · · · · · · · · · · · · · ·	1		······································
Canals				
Main Canals Secondary Canals				
Tertiary Canals			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

4. Discuss other forms of assistance received by the farmers for repair and maintenance of the irrigation system _____

III. FARMERS PERCEIVED NEEDS

- 1. Discuss benefits derived by farmers from past government work on the irrigation system and problems encountered in such works ______
- 2. Enumerate specific facilities to be repaired for the rehabilitation of the irrigation system.

Structures/canal	Number/Length	Location
and the second second second		and the second secon
	<u></u>	

3. Enumerate irrigation facilities that should be constructed.

Irrigation Facilities

Number/Length

Location

Discuss whether there is still a possibility of expending work on the existing irrigation system using the table below :

4.

5.

6.

	······································		
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Structures to	o be rep	aired for expansion are	as
Structures/c	anal	Number/Length	Location
·····		- COMPANY OF THE OWNER OWNER OF THE OWNER	
Structures/ca		nstructed for expansion	Location
		ns of assistance neede	•
Discuss oth	er fori	ms of assistance nee	ded by the up
farmers.	·	· · · · · · · · · · · · · · · · · · ·	

7. Discuss briefly data gathered if farmers want to be involved in the actual construction of irrigation facilities. Indicate percentage of willing farmers out of samples and how do they want to be involved.

8. a. Specify percentage of farmers who are willing to give equity and discuss reasons of those who are not willing.

b. Specify percentage of farmers who are willing to repay construction cost and discuss the reasons of those who are not willing.

9. Discuss briefly other kinds of assistance (non-construction) desired by farmers.

IV. VIABILITY OF THE ASSOCIATION

A. Organization

a. FOR ASSOCIATION-MANAGED SYSTEM

1. Indicate, if there is already an existing association.

2. If there is an existing association, specify following :

- a. Name of Association :
- b. Date of Organization : _____
- c. Entity/Agency which initiated the organization : _____

- d. Reasons/Objectives of the organization :
- e. SEC Registered? (Yes or No)
- f. Date of Registration _____ Reg. No. _____
- 3. Association leaders and employees (use table below)

Name of eaders & employees	Position	Manner of Acquiring the Position	No. of Years in the Position	Remuneration Benefits/ Privileges
· · · · · · · · · · · · · · · · · · ·	:	:	•	
	:	:	:	
	:	:	:	· ·
	:	:	:	
	:	:	:	;
	:	•	:	

- 4.
- Specify number of beneficiaries, IA members and percentage of membership. Discuss also other data gathered on membership (i.e. who can become a member, categories of members, etc.)

Discuss briefly data gathered on association By-laws.

6.

5.

Present data gathered on officers & general membership meetings using table below :

Types of Meeting	No. of Meetings held for the last two	o years d	% of Attendance		Sanctions/Penalties for Non-Attendance of Meeting
	· · · ·	•		:	
		:		:	
:		:		:	
		:		:	

Present data gathered on association records using table below:

Type of Records	Year(s) Record Available	Records (complete or incomplete		
	•	:		
	:	:		
	:	•		
	:	•		
-		:		

Discuss briefly data gathered on barrio/municipal 8. officials involved in the management of the system.

Discuss briefly data gathered on leaders (non-member of 9. the association) who greatly influence the association management _____

FOR NON-ASSOCIATION MANAGED SYSTEM b.

Discuss briefly recognized leaders who are currently 1. involved in the management of the system using the table below:

Name of Recognized Leader	Position	Duties Respor		Manner of Acquiring Position	No. of Yrs, in th Position	Remu- e nera- tion		Other tion is comm or oth organ	n the uunity
:	:		:		:	:			
:	. :		:		:	:	:		
•	:		:		:	:	:		
:	:		:		:	:	:		
•			:	, :	•	:	:		
			are invo	s briefly bar olved in the	managemen	t of the sys	ten	ı.	
		3.	Discus	olved in the	managemen farmers are e percentage	interested	in	formi	
· · · · · · · · · · · · · · · · · · ·		3.	Discus	olved in the	farmers are	interested	in	formi	
В.	Cropp	3. ing Cal	Discus associa	olved in the	farmers are	interested	in	formi	
В.	<u>Cropp</u> 1.	ing Cal	Discus associa endar ss briefly	olved in the s briefly if tion (indicat	farmers are	interested of farmer endar of t	in san	formi nples)	m was
В.		ing Cal Discu formu	Discus associa endar ss briefl lated ibe briefl	olved in the s briefly if tion (indicat y how the o y the croppi	farmers are re percentage	interested of farmer endar of t	in san	formi nples) syste	m was

Name of Peop Involved	le	Positi	on	of Years e Position	Duties and Responsibilities	Remuneration Benefits/Privi	
	:		•	•		:	
	:		:	:		:	
	:		:	:		:	
	:		. :	. :		:	
	:		:	:		:	
	:		:	:		•	

4. Discuss briefly the problems encountered by the farmers in following the cropping calendar plan.

C. <u>Water Distribution</u>

1. System Level

a. Water distribution plan formulation. Discuss briefly data gathered

For data gathered on the people involved in the formulation of water distribution plan use the table below :

Name of People Involved	Position	Remuneration/Benefits/ Privileges		
	: :			

Ь.

Discuss briefly the people responsible in water allocation & distribution in the system using the table below :

Name of People Involved		Position		Area/Portion of the System Covered	Duties & Responsibi- lities		Remuneration Benefits/ Privileges
· · · · · · · · · · · · · · · · · · ·	;	······································	:		 •	:	
	:		:		:	;	
	:		:		:	:	
	:		:		:	:	
	:		:		:	:	

Discuss briefly data gathered on the schemes and rules on water allocation & distribution in the system.

Discuss briefly data gathered on the system of water distribution during wet and dry season.

Discuss briefly data gathered on priorities for water distribution

2. Sectoral Level

a.

c.

d.

e.

Discuss briefly data gathered on schemes and rules of water allocation & distribution at the sectoral level.

b. Discuss briefly the people responsible in the allocation & distribution of water at sectoral level using the table below :

Name of People Involved	Position	Area Covered	No. of Farmers Served	Duties & Responsibilities	Remuneration Benefits/ Privileges
:	:	:	:	. :	
:	•	:	:		
•	:	:	•	:	
:	:	:	:	:	

3. Water related conflicts

a. Discuss briefly data gathered on water related conflict ____

b. Discuss briefly data gathered on offenses/illegal acts related to water use and the actions done about these

c. Discuss briefly on how a farmer seeks help in solving his problem on obtaining water _____

D. Maintenance

- 1. Discuss briefly how the maintenance plan of the system is developed.
- 2. Describe the maintenance plan of the system using table below :

Portion of the System	Activities	Frequency
	:	÷
	•	:
	•	•
	•	:
	:	:
	:	: •

of the system using the table below :

e System	People Responsible	Duties and Responsibilities
evel	•	
	• •	
level	: . :	•
	: :	
	: • :	
	: :	
Other C	onflicts	
		ed on other conflicts beside
	<u>Other C</u> 1.	evel : : level : : level : : 4. Describe the problems en maintenance of their syster <u>Other Conflicts</u>

- 3. Discuss briefly data gathered on local leaders who are in conflict in the management/operation of the system ______
- 4. Discuss briefly data gathered on factions among farmers currently using the system _____
- F. Fees
 - 1. Discuss briefly fees paid by farmers using table below :
 - a. Amortization Payment
 - a.1 Who collects _____
 - a.2 Yearly amortization collection (since

ι	ι	Ш	πον	er)	

Years	Payment Rate	Collection	% Collection	Reasons for non-payment
		• •	:	:
:		:	:	•
:	,	:	:	:
•		:	:	:

b. Other Fees

Type of Fees	Mode of Payment	Amt/Qty. to be paid	Who Collects	last 2 years	% Coll'n. for the last 2 years Year 1 Year 2	
	: :	:		: : :	· : :	
:	: :	:		: : :	: :	
•	: :	:	1		: :	
·	: :	:		: : :	: :	

2. Discuss briefly data gathered on association budget for operation & maintenance _____

- 3. Discuss briefly data gathered on actions taken against farmers non-payment of fees _____
- 4. Discuss briefly data gathered on association misue of funds

5. Discuss briefly data gathered on how the association safeguard its funds _____

Prepared by :

Name of Profile Writer :

Angele Support and a state of the state of the

Reviewed by :

Name & Position of Reviewer(s)

INITIAL PROJECT FEASIBILITY REPORT * (NIA-CIP Form I-3C)

	Barangay, Town, Province):		
	stem Category (New/REhab./Reh		
itial I	rrigable Area :	·····	
So	il Data (Source : Simplified Soil	Texture Determination	and Soil Nu
	alysis)		
a.	Soil Type	Area, Has.	
	Fine textured		
	Medium textured	and the state of the	
	Coarse textured		
b.	Salinity Problem		
	None	·	
Δ α	With Problem	_ Area	has.
Ag a)		_ Area	has.
Ū	With Problem	_ Area	has.
Ū	With Problem ro-Economic Data (Source : Aga <u>Preset Land Use</u>	Area	has.
Ū	With Problem ro-Economic Data (Source : Aga <u>Preset Land Use</u>	Area ro-Economic Survey) Area, has.	has.
Ū	With Problem ro-Economic Data (Source : Agr <u>Preset Land Use</u> Crops	Area ro-Economic Survey) Area, has.	has.
Ū	With Problem ro-Economic Data (Source : Aga <u>Preset Land Use</u> Crops	Area ro-Economic Survey) Area, has.	has.
a)	With Problem ro-Economic Data (Source : Aga Preset Land Use Crops	Area ro-Economic Survey) Area, has.	has.
a)	With Problem ro-Economic Data (Source : Aga Preset Land Use Crops	Area ro-Economic Survey) Area, has.	has.
a)	With Problem	Area ro-Economic Survey) Area, has. Months	to

To be used as basis in determining projects that will be included for topographic survey.

	d)	Accessbility of site
		Accessible
		Not Accessible
III.	Insti	tutional Data (Source : NIA CIP Form I-3B)
	a.	With IA (Yes/No?)% of actual IA members
		With no IA (Yes/No?)% of farmers willing to be organized as IA
	b.	% of farmers willing to contribute equity
	c.	% of farmers willing to give ROW
·	d.	% of famrers willing to amortize project cost
	e.	Institutional problem that will affect project implmentation.
IV.	Hydı	ologic Data (Source : Hydrologic Data Report)
	a.	Average Discharge WS lps
		DSlps
	Ь.	Estimate area that could be irrigated based on available water supply
		WShas.
		DWhas.
	с.	Projected cropping intensity
	d.	Problem on quarrying within 1 km upstream and downstream of
		proposed diversion point (Yes/No)
	e.	Problem on water supply pollution (specify)

Prepared and Submitted by :

Provincial Irrig. Engineer

HYDROLOGIC DATA REPORT*

	Main Source			: 		coord	linates	of poin
	where readi	ngs were taken				· ,		·
	Wet Season	1 (WS)	;		Dry	Seasor	n (DS)	
Months	:	Ave. Q lps	•	Mont	hs	:	Av	e. Q. lp:
	•			·····	· · ·			
	:		:			:		
	:		:			•		
	•		;			:		
WS Ave	erage Q:		•]	DS Average	20	:		
			• 1		× ¥	1	in a ti	
b.		Source(s) **			- X		coordi	nates of
	Secondary	Source(s) ** reading were ta	·				coordi	nates of
.]	Secondary	reading were ta	·			Season		nates of
.]	Secondary point where Wet Season	reading were ta	: aken :	Monti	Dry		1 (DS)	nates of
.]	Secondary point where Wet Season	reading were ta	: aken :		Dry		1 (DS)	
.]	Secondary point where Wet Season	reading were ta	: aken :		Dry		1 (DS)	
.]	Secondary point where Wet Season	reading were ta	: aken :		Dry		1 (DS)	
.]	Secondary point where Wet Season	reading were ta	: aken :		Dry		1 (DS)	

I. Discharge Measurements : Based on a minimum of one-year record

* Abstracted from NIA-CIP Form I-3A

** All data on discharge for secondary source(s) if any should be reported.

Average Monthly Rainfall, mm; Based on a 5-10 year record of weather station II. nearest to the project site.

Location : Station :

Month	: Average Rainfall, mm
January	•
February	· · · :
March	:
April	an a
May	:
June	•
July	:
August	:
September	:
October	:
November	:
December	:
nnual rainfall, mm	:

Existing Water Rights III.

xisting Water Rights			
·			
Source/Location	:	Q Allocated, lps	
	•		
	.		
	:		
	:		
	•		
	:		
	•		
	•		
	•		
		· · · · · · · · · · · · · · · · · · ·	