

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	PINACANA	UAN			
1) Water Resources Region	2 2)5	ource of War	r Supply	Pinacanonian Riv	
3) Approved Water Rights	6000 lps			sening of the System	Nov. 1979
5) Original Construction Cost	P 2.478,870,00	/ May 1984	6) Date of Re		Non Rehabilitated
7) Cost of Rehabilitation			8) Current St.		Partial Operation Only
9) Firmed-up Service Area			10) Designed		
11) Potential Area				of Landowners	741
13) Number of Farmers Served	1556		14) Average		
15) Number of Lots	709		16) Diversior		Intake
17) Diversion Copacity	3.30 cms			Main Canal	
19) Length of Laterals			20) Number o		57
21) Length of Service Roads				Access Roads	
23) Drainage Density			24) Farmhte	*****	
25) Climatic Condition (Coronas)	Type 3			Annual Rainfall	
27) Main Crops	Rice		- <b>-</b>		
29) Irrigated / Benefitted Area			Total		0
29) Irrigated / Benefitted Area Average			Total		0
	Wet	Dry		Third	0
Average	livet	Dry		Thied	<i>o</i>
Average Season	Wet	Drg		Third	<b>D</b>
Average Season Irrigated Area (ha)	Wet	Dry		Thicd	<b>)</b>
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet Nature of Con			Third Length of Canal (ki contrast	···· • •
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	······································		· · · · · · · · · · · · · · · · · · ·	iangth of Canal (A)	·····
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	······································		· · · · · · · · · · · · · · · · · · ·	iangth of Canal (A)	·····
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	······································		· · · · · · · · · · · · · · · · · · ·	iangth of Canal (A)	·····

III- 37

٩

Į



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

٢

Name of System	SAN PABLO	-CABAGAN			
) Water Resources Region	2 2) Sol	arce of Water Supply	Pinacanovan de .	San Pablo	<i>R</i> .
) Approved Water Rights	on process	4) Official	Opening of the System	Jan L	8, 1986
i) Original Construction Cost	P 26,934,124.00	6) Date of	Rehabilitation	not yei	t rehabilitated
) Cost of Rehabilitation		8) Current	Status	Opera	ting system
)) Firmed-up Service Area	1273	10) Design	ed Area	2890	
11) Potential Area	2100	12) Numbe	r of Landowners	901	
13) Number of Farmers Served	1215	14) Averag	e Farm Size	0.9	
15) Number of Lots	1.525	16) Divers	ion Type	Intake	
17) Diversion Copacity	5.027 cms	18) Length	of Main Canal	17.97	9
19) Length of Laterals	19.937	20) Numbe	r of Turnouts	72	
21) Length of Service Roads	27.069	22) Length	of Access Roads	18.5	
23) Drainage Density	9.68	24) Farmd	htch Density	38.5	
25) Climatic Condition (Coronas)	Туре З	26) Averag	ze Annual Rainfall	1872	·····
27) Main Crops	Rice, Corn, Tob	acco, Peanut			
28) Towns / Province Served	Towns	Province		Area	(ha)
	S Pablo Cabagan	Isabela Isabela		346	
	· · · · ·				
29) Irrigated / Benefitted Area		Total	···· - ··· ···	0	
29) Irrigated / Benefitted Area Average	1935-1995	Total		0	
	1985-1995 Wet	Total Dry	Third	0	
Average Season Irrigated Area (ha)			Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season	Wet	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 506	Dry 518	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 506 397	Dry 518 390 79	Third I tength of Canal ( contract	· · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 506 397 80	Dry 518 390 79	Length of Canal 4	· · · · ·	Area Covered (ha) 1.273
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 506 397 80 Nature of Cont	Dry 518 390 79 ract Number of FIA	Length of Canal & contract	· · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 506 397 80 Nature of Cont	Dry 518 390 79 ract Number of FIA	Length of Canal & contract	· · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 506 397 80 Nature of Cont Type I & II	Dry 518 390 79 ract Number of FIA	Length of Canal & contract	· · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 506 397 80 Nature of Cont Type 1 & 11 There is a futur	Dry 518 390 79 ract Number of FIA 7	Length of Canal ( contract 30.941	km) under	1.273

111-38



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

\_\_\_\_\_

Name of System	SOLA	NA PUMP			
1) Water Resources Region	2	2) Source of	Water Supply	Cogayan River	
3) Approved Water Rights			-I) Official (	Opening of the System	Apr. 1979
5) Original Construction Cost			6) Date of F	Rehabilitation	1995
7) Cost of Rehabilitution	P 4,700,	000.00	SI Current	Stotus	Operating system
9) Firmed-up Service Area	1000		10) Designe	d Area	2826
11) Potential Area	2826		12) Number	ofLandowners	394
13) Number of Farmers Served	892		14) Average	Farm Size	0.7764
15) Number of Lots	1049		16) Diversi	on Type	Pump
17) Diversion Capacity	2.2		18) Length	of Main Canal	18.391
19) Length of Laterals	23.92		20) Number	of Turnouts	35
21) Length of Service Roads	86.81		22) Length	of Access Roads	10.31
23) Drainage Density	10.07		24) Farmdi		87.43
25) Climatic Condition (Coronas)	Type III			Annual Rainfall	2010
27) Main Crops	Rice				<b>-</b>
28) Towns / Province Served	Towns Solema		Province Cagayan		Area (ha) 1000
29) Irrigated / Benefitted Area			Total		00
29) Irrigated / Benefitted Area Average	1985-19		Total		0
	1985-19 Wet	95	Total	Third	0
Average	1 · ·	95	i	Third	0
Season .	Wet	95	Dry:	Third	<i>0</i>
Average Season Irrigated Area (ha)	Wet 628	95	Dry 572	Third	0 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 628 521 69	···	Dry 572 536	Third Length of Canol (k contract	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 628 521 69	f Contract	Dry 572 536 78	Length of Cenai (k	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 628 521 69 Nature o	f Contract	Dry 572 536 78 Number of FIA 1	Length of Canal (k contract	ng under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 628 521 69 Nature o	f Contract	Dry 572 536 78 Number of FIA 1	Length of Canal (k contract 22.121	ng under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 628 521 69 Nature o	f Contract	Dry 572 536 78 Number of FIA 1	Length of Canal (k contract 22.121	ng under Area Covered (ha)



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

()

Name of System		I-TUGUE					
) Water Resources Region	2	2) Source of	Water Supply		lagayan River	- <b>I</b>	
) Approved Water Rights	No. Availat		4) Official O	penin	g of the System	Apr. I	1979 ·
) Original Construction Cost	P 11.053.00	00.00	6) Date of R	ehabil	litation	1985	
) Cost of Rehabilitation	P 11,053.00	00.00	8) Current S	status		Opera	uting system
)) Firmed-up Service Area	<u> </u>		10) Designer	d Area	) 	<u> </u>	
1) Potential Area			12) Number	ofLa	ndouners	1186	
3) Number of Farmers Served	2863		14) Average	Farm	Size	0,75	
15) Number of Lots	1760	<u> </u>	16) Diversio	m T) p	e	Pump	•
7) Diversion Copacity	7.05 cors		18) Length e	of Mai	n Canal		
19) Length of Laterals			20) Number	of In	mouts	56	
21) Length of Service Roads			22) Length (	ofAcc	ess Roads		
23) Drainage Density			24) Farmdit	tch De	nsity.		
25) Climatic Condition (Coronas)	Type 3		26) Average	: Annu	al Rainfall		
27) Main Crops	Rice		··· • • • • •			-	
29) Irrigated / Benefitted Area			Total			. 0	
29) Irrigoted / Benefitted Area Average			Total			. 0	
	Wet	 	Total Dry		Third		
Average	Wet		· · · · · · · · · · · · · · · · · · ·		Third	0	
Average Season	Wet	 	· · · · · · · · · · · · · · · · · · ·	· · · · ·	Third		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)			Dry	· · · · · ·	Third		
Average Season Irrigaled Area (ha) Benefitted Area (ha)	Wet Nature of	Contract	Dry Number of FIA		Third Length of Canal (km contract	) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance		Contract	Dry Number of FIA		Length of Canal (hm contract	) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (F1A) with Memorandum of Agreement for Operation and		Contract	Dry Number of FIA		Length of Canal (hm contract	) under	Area Cosered (ha)



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	TUMAUINI				
1) Water Resources Region	2 2) Source of	Water Supply	Pinacanayan Rive		
3) Approved Water Rights		4) Official Op	ening of the System	1984	
5) Original Construction Cost	P 33,270,000.00	6) Dute of Rel	habilitation	1938	1991
7) Cost of Rehabilitation	P 4,000,000.00	8) Current St	aius	Open	ating System
)) Firmed-up Service Area	3650	10) Designed	Area	6100	
11) Potential Area	5500	12) Number o	f Landonners	1923	
13) Number of Farmers Served	1556	14) Average 1	Form Size	1556	
S) Number of Lots	1.9	16) Diversion	Type	Intak	·
17) Diversion Copacity	7.57	18) Length of	Main Canal	23.5	
(9) Length of Laterals	87.9	20) Number o	f Turnouts	182	
(1) Length of Service Roads	55.5	22) Length of	Access Roods	14.7	
23) Drainage Density	6.85	24) Farmdite	h Density	0.56	
25) Climatic Condition (Coronas)	Type 3		Annual Rainfall	2258	
27) Main Crops	Rice, Corn		<b></b>	<b>.</b>	
28) Towns / Province Served	Towns	Provínce		Area	(ha)
	Tumauhi Cabagan Ilagan	Isabela Frabela Isabela		335- 35 258	
		Total	·····	0	
29) Irrigated / Benefitted Area		Totał	· · · · · · · · · · · · · · · · · · ·	0	
Average	1975-1986	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	0	
Average Season	Wet	Totał Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 1629	· · · · · · · · · · · · · · · · · · ·	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1629 1276	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 1629 1276 58.47	Dry 1714 1297 59.61	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 1629 1276	Dry 1714 1297	Third Length of Canal (kr contract		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1629 1276 58.47	Dry 1714 1297 59.61	Length of Canal (S.r.		Area Coyered (ha) 2481.02
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1629 1276 58.47 Nature of Contract	Dry 1714 1297 59.61 Number of FIA	Longith of Canal (Lon Contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1629 1276 58.47 Nature of Contract	Dry 1714 1297 59.61 Number of FIA 10 in the offing 10 help iv	Length of Canal (Lor contract 75,769	ı) uaıtır	2481.02
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (caviha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1629 1276 58.47 Nature of Contract Type 1, Type 2, Stoge 2 A proposed reservoir is	Dry 1714 1297 59.61 Number of FIA 10 in the offing to help ip pushed through. canals to full section.	Length of Canal (Sr contract 75,769 Necrease water supply:	) under An expar	2481.02 nsion of irrigable area
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1629 1276 58.47 Nature of Contract Type I, Type 2, Stage 2 A proposed reservoir is 6,285 has. if this will be Desilting and restoring	Dry 1714 1297 59.61 Number of FIA 10 in the offing to help ip pushed through. canals to full section.	Length of Canal (Sr contract 75,769 Necrease water supply:	) under An expar	2481.02 nsion of irrigable area

9



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

\_\_\_\_\_



Name of System	UPPER CI	НСО					
Water Resource's Region	2 2) 8	Source of H	ater Supply	C	hico River		
) Approved Water Rights	62580 lps		4) Official Of	pening	of the System	1986	
) Original Construction Cost			6) Date of Re	habili	tation	1986-1	1996 (Maintenance)
) Cost of Rehabilitation			8) Current St	alus	<u></u>	Opera	ting System
) Firmed-up Service Area	17551		10) Designed	l Area		17551	······································
1) Potential Area	17551		12) Number o	oflan	downers	5357	
3) Number of Farmers Served	8873		14) Average .	Farm	Size	1.1	
5) Number of Lots	1778		16) Diversion	n Type		Divers	sion Dam
7) Diversion Capacity	34.36		18) Length of	f Main	Canal	109.0	1
9) Length of Laterals	87.22		20) Number (	of Turi	nouls	409	
(1) Length of Service Roads	154.79		22) Length o	Acce	ss Roads	83867	7
23) Drainage Density	6.64		24) Farmdite	ch Den	isily	28.12	
25) Climatic Condition (Coronas)	Type 1		26) Average	Annuc	ıl Rainfall	1617	
27) Main Crops	Rice						· · · · ·
28) Towns / Province Served	Towns		Province			Area	(ha)
	Tobuk Pinukpuk Queron Mallig		: Kaling-A Kaling-A Isabela Isabela			-409 800 -522 2320	
			Totol			0	• • • • • • • •
29) Irricated / Benefitted Area			Total			0	- · · · · · · · ·
29) Irrigated / Benefitted Area Average	1985-1995		Total			0	
Average	1985-1995 Wet				Third	0	
Average Season	and the second second		Dry		Third	0	
Average Season Irrigated Area (ha)	Wet 9041.77	· · · · ·	Dry 8314		Third	0	
Average Season Inigated Area (ha) Benefitted Area (ha)	Wet 9041.77 8416.7	· · · · · ·	Dry 8814 7978.1		Third	0	
Average Season Invigated Area (ba) Benefitted Area (ba) Average Yield (cav/ba) 30) Farmers Irrigators Association	Wet 9041.77	)niract	Dry 8314		Third Iength of Canal (Sn contrast		Area Covered (ha)
Average Season Invigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 9041.77 8416.7 68.45	>ntract	Dry 8314 7978.1 73.2	,	Length of Canal (\$n		Area Covered (ha) 7245.892
Average Season Invigated Area (ba) Benefitted Area (ba) Average Yield (cav/ba) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 9041.77 8416.7 68.45 Nature of Co	>n(ract	Dry 8814 7978.1 73.2 Number of FIA	,	Length of Canal (kn contract		
Average Season Invigated Area (ba) Benefitted Area (ba) Average Yield (cav/ba) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 9041.77 8416.7 68.45 Nature of Co Type I & II		Dry 8814 7978.1 73.2 Number of FIA	, Isabe	Length of Canal (Sn contract 122.27	ı) under	
Average Season Inigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 9041.77 8416.7 68.45 Nature of Co Type I & II Expansion of	f 20,200 ha n of main c	Dry 8814 7978.1 73.2 Number of FIA 24 located in Kalinga, anals, laterals and g		Length of Canal (kn contract 122.27 1a and Cagayan.	ı) under	





#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	ZINUN	DUNGAN	'		
1) Water Resources Region	2	2) Source of	f Water Supply	Zinund "Sicalo,B	Banurbur R
3) Approved Water Rights	Approved	,	4) Official	Opening of the System	May. 1, 1978
5) Original Construction Cost	P 21,000,	000.00	6) Date of 1	Rehabilitation	
7) Cost of Rehabilitation	1		8) Current.	Status	Operating System
9) Firmed-up Service Area	2015		10) Design	ed Area	3200
11) Potential Area	3200		12) Number	of Landowners	1400
13) Number of Farmers Served	1523		14) Averag	e Farm Size	1461
15) Number of Lots	2607		16) Diversi	ion Type	Gravity and Ogee
17) Diversion Copacity	2.095, 0.9	9, & .075		of Main Canal	27.07
19) Length of Laterals	14.358		······	r of Turnouts	112
21) Length of Service Roads	35.466		······································	of Access Roads	0.73
23) Drainage Density	0.0017		·······	itch Density	0.0174
25) Climatic Condition (Coronas)	Type III	·		e Annual Rainfall	2277
27) Main Crops	Rice			······································	L
28) Towns / Province Served	Towns		Province		Area (ha)
29) Irrigated / Benefitted Area			Total		0
29) Irrigated / Benefitted Area Average	1985-199		Total		0
	1985-199 Wet	5	Total Dry	Third	0
Average		·····		Third	0
Average Season	Wet	·····	Dıy	Third	0 
Average Season Irrigated Area (ha)	Wet 1596.166	·····	Dry 1650.17	Third	<b>0</b>
Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 1596.166 1329.04 77	·····	Dry 1650.17 1438.19	Length of Canal (k	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 1596.166 1329.04 77	· · · · · · · · · · · · · · · · · · ·	Dry 1650 17 1438 19 76		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1596.166 1329.04 77 Nature of	· · · · · · · · · · · · · · · · · · ·	Dry 1650 17 1438 19 76	Length of Canal (k	im) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1596.166 1329.04 77 Nature of Stage II	fContract	Dry 1650 17 1438 19 76	Length of Canal (k	im) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1596.166 1329.04 77 Nature of Stage II Future ex	f Contract pansion will	Dry 1650.17 1438.19 76 Number of FIA 4 be 1.155 has.	length of Canal (X coxtract	im) under Area Covered (ha)



-----

\_\_\_\_\_

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

.....

()

Name of System	AGOS				
1) Water Resources Region	4 2) Source of	Water Supply	Agos River		
3) Approved Water Rights	2250 lps	4) Official Ope	ning of the System	Sept.	15, 1959
5) Original Construction Cost	P 1,200,000.00	6) Date of Reha	abilitation	1987-	present (IOSP I)
7) Cost of Rehabilitation	P 3,169,000.00	8) Current Stat	us	Open	ating System
9) Firmed-up Service Area	1991	10) Designed A	Irea	1500	
11) Potential Area	1250	12) Number of	Landowners	2751	
13) Number of Farmers Served	2751	14) Average Fo	arın Size	0.35	
15) Number of Lots	3150	16) Diversion 1	Брг	Intak	e
17) Diversion Capacity	3	18) Length of M	Main Canal	7.685	
19) Length of Laterals	39.674	20) Number of	Turnouls	134	
21) Length of Service Roads	20.679	22) Length of A	Access Roads	2.998	}
23) Drainage Density	18.6	24) Farmditch	Density	95.79	)
25) Climatic Condition (Coronas)	Type II	26) Average Ar	nnual Rainfall	3601.	.24
27) Main Crops	Rice				
28) Towns / Province Served	Towns	Province		Area	(ha)
	Infanta	Quezon		1119	
		Total		0	
29) Irrigated / Benefitted Area		Total		0	
29) Irrigated / Benefuted Area Average	1985-1995	Total		0	
	1985-1995 Wet	Total Dry	Third	0	· · · · · · · · · · · · · · · · · · ·
Average			Third	0	
Average Seasan	Wet	Drj.	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha)	Wet 1119	<b>Dry</b> 1067	Third	0	
Average Season Irrigated Area (ha) Benefilied Area (ha)	Wet 1119 1072	<b>Dry</b> 1067 980	Third Length of Canal (Am contract		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1119 1072 80	<b>Dry</b> 1067 980 66	Length of Canal (Am		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 1119 1072 80 Nature of Contract	Dry 1067 980 66 Number of FIA	Length of Canal (km contract		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1119 1072 80 Nature of Contract	Dry 1067 980 66 Number of FIA	Length of Canal (km contract		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1119 1072 80 Nature of Contract	<b>Dry</b> 1067 980 66 <b>Number of FIA</b> 7	Length of Canal (km contract		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1119 1072 80 Nature of Contract Stage II	<b>Dry</b> 1067 980 66 <b>Number of FIA</b> 7	Length of Canal (km contract		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1119 1072 80 Nature of Contract Stage 11 Exapnsion area is in E	Dry 1067 980 66 Number of FIA 7 3 Brgy. Gumlan & Libjo.	Length of Canal (km contract 45.33		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1119 1072 80 Nature of Contract Stage 11 Exapnsion area is in E	<b>Dry</b> 1067 980 66 <b>Number of FIA</b> 7	Length of Canal (km contract 45.33		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1119 1072 80 Nature of Contract Stage 11 Exapnsion area is in E	Dry 1067 980 66 Number of FIA 7 3 Brgy. Gumlan & Libjo.	Length of Canal (km contract 45.33		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 1119 1072 80 Nature of Contract Stage 11 Exapnsion area is in E	Dry 1067 980 66 Number of FIA 7 3 Brgy. Gumlan & Libjo.	Length of Canal (km contract 45.33		Area Covered (ha) 1119
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1119 1072 80 Nature of Contract Stage 11 Exapnsion area is in E	Dry 1067 980 66 Number of FIA 7 3 Brgy. Gumlan & Libjo.	Length of Canal (km contract 45.33		Area Covered (ha) 1119



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	AGUSTIN-KASI	TLA-JULLAN		
1) Water Resources Region	4 2) Source	of Water Supply	Alang-Hang River	
3) Approved Water Rights		1) Official Of	ening of the System	Spanish Time
5) Original Construction Cost		6) Date of Re-	habilitation	
7) Cost of Rehabilitation		8) Current Ste	સંભક	Operating system
9) Firmed-up Service Area	1415.8451	10) Designed	Area	1700
11) Potential Area	1700	12) Number o	f Landowners	687
13) Number of Farmers Served	757	14) Average 1	Farm Size	1.87
15) Number of Lots	733	16) Diversion	Type	Diversion Dam
17) Diversion Capacity	2550	18) Length of	Main Canal	30.42
19) Length of Laterals	20.867	20) Number o	f Turnouts	206
21) Length of Service Roads	21.92	22) Length of	Access Roads	2
23) Drainage Density		24) Farmdite	h Density	<u> </u>
25) Climatic Condition (Coronas)	Type I	· · · · · · · · · · · · · · · · · · ·	Annual Rainfall	
27) Main Crops	Rice, Ampalaya			······
28) Towns / Province Served	Towns	Province	·····	Area (ha)
	Ionus	Cavite		1483.7213
29) Irrigated / Benefitted Area		Total		0
29) Irrigated / Benefuted Area Average	1985-1995	Total		0
29) Irrigated / Benefitted Area Average Season	1985-1995 Wet	ч.,	Third	0
Average Season		Dry	Third	
Average Season Irrigated Area (ha)	Wet	Dry 44.5702	Third	
Average Season	Wet 1466.06	Dry	Third	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1466.06 1380.36	Dry 44.5702 44.57	Third Length of Canol (km) contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	Wet 1466.06 1380.36 59 Nature of Contract	Dry 44.5702 44.57 65	Icryth of Canol (km)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1466.06 1380.36 59 Nature of Contract	Dry 44.5702 44.57 65	Icryth of Canol (km)	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	Wet 1466.06 1380.36 59 Nature of Contract	Dry 44.5702 44.57 65 Number of FIA	Icryth of Canol (km)	





\_\_\_\_

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

-11 m
63
6 2 4
- C. J.

Name of System	AMNAY-PATRI	CK .			
Water Resources Region	4 2) Source	of Water Supply	Patrick River		
Approved Water Rights		4) Official C	pening of the System	1986	
Original Construction Cost		6) Date of R	ehabilitation	On-go	ing IOSP
Cost of Rehabilitation		8) Current S	Status	Opera	iting System
) Firmed-up Service Area	1331	10) Designe	d Area	1957	
1) Potential Area	1957	12) Number	of Landowners	330	
3) Number of Farmers Served	330	14) Äverage	Farm Size	3.18	
5) Number of Lots	419	16) Diversio	on Type	Brash	Danı
7) Diversion Copacity		18) Length	of Main Canal	11.32	7
9) Length of Laterals	14.282	20) Number	of Turnouts	44	
1) Length of Service Roads	19.088	22) Length	of Access Roads		
3) Drainage Density	4.461	24) Farmdii	tch Density	39.28	4
5) Climatic Condition (Coronas)	Type II'	26) Average	e Annual Rainfall		
7) Main Crops	Rice				······································
18) Towns / Province Served	Towns	Province		Area	(ha)
		Total		0	
29) Irrigated / Benefitted Area		Total		00	
Average	1985-1995	:	· · · · · · · · · · · · · · · · · · ·	0	
Average Season	Wet	Đŋ;	Third	<u> </u>	
Average Season Irrigated Area (ha)	B'et 550	Dry 500	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	B'et 550 550	Dry 500 500	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	B'et 550 550 75	Dry 500 500 70		· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	B'et 550 550	Dry 500 500 70	Third Length of Canal centract	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	B'et 550 550 75	Dry 500 500 70	Length of Canal	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha) 105
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of	B'et 550 550 75 Nature of Contract	Dry 500 500 70	Length of Canal contract	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	B'et 550 550 75 Nature of Contract	Dry 500 500 70	Length of Canal contract	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	B'et 550 550 75 Nature of Contract	Dry 500 500 70	Length of Canal contract	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and Maintenance	B'et 550 550 75 Nature of Contract	Dry 500 500 70	Length of Canal contract	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and Maintenance	Wet 550 550 75 Nature of Contract Type 1	Dry 500 500 70	Length of Canal contract 3.66	(\$m) under	105



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	BACO-BU	ICAYAO			
1) Water Resources Region	4 2)	Source of Water S	Supply.	Baco & Langkaw	van Rivers
3) Approved Water Rights	20000 lps		4) Official Opt	ening of the System	Feb. 15, 1973
5) Original Construction Cost	P 7,340,000.	00	6) Dute of Reh	abilitation	June 1975 9MIRDO-ICO
7) Cost of Rehabilitation			8) Current Sta	This	Operating System
9) Firmed-up Service Area	6327		10) Designed.	Area	10000
11) Potential Area	10000		12) Number of	Landowners	2577
B) Number of Farmers Served	2574		14) Average F	arm Size	5
15) Number of Lots	3		16) Diversion	Туре	Ogee Dam
17) Diversion Capacity	14.55		18) Length of	Main Canal	24.779
19) Length of Laterals	97		20) Number of	Turnouts	523
21) Length of Service Roads	105.85		22) Length of	Access Roads	5.3
23) Drainage Density	28		24) Farmditch		48
25) Climatic Condition (Coronas)	Type IV			nnual Rainfall	1788.5
27) Main Crops					
28) Towns / Province Served	Towns	·····	Province		Area (ha)
	Calapan	······································	Oriental Mindor	ง ช	5228
		· · · • • • • • • •	Totaj		0
 29) Irrigated / Benefitted Area		· ··	Totai		0
29) Irrigoted / Benefitted Area Average	1985-1995		Total	· · · · · · · · · · · · · · · · · · ·	0
	1985-1995 Wet	Ðŋ	Total	Third	0
Average		,,.,.,.,.,.,.,.,.,.,.,.,.,.,.,.,.,.,.,	<u>Totai</u>	Third	0 
Average Season	Wet	Dry	Totai	Third	0
Average Season Irrigated Area (ha)	Wet 3786	Dry 4150	<u>Total</u>	Third	<i>0</i>
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wei 3786 360	Dry 4150 4030 70	Total ber of FIA	tersih of Canal (ki	· · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of Agreement for Operation and	Wet 3786 360 60	Dry 4150 4030 70		· · · · · · · · · · · · · · · · · · ·	· · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of	Wet 3786 360 60 Nature of Ce	Dry 4150 4030 70 pontract Numb		tersih of Canal (ki	m) under Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of Agreement for Operation and	Wet 3786 360 60 Nature of Ce	Dry 4150 4030 70 pontract Numb		tersih of Canal (ki	m) under Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of Agreement for Operation and	Wet 3786 360 60 Nature of Ce	Dry 4150 4030 70 pontract Numb		tersih of Canal (ki	m) under Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 3786 360 60 Nature of Ce	Dry 4150 4030 70 pontract Numb		tersih of Canal (ki	m) under Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 3786 360 60 Nature of Ce Type 1 & 2	Dry 4150 4030 70 pontract Numb 2	ber of FIA	I engih of Canul (ki contract	m) under Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 3786 360 60 Nature of Ce Type 1 & 2	Dry 4150 4030 70 pontract Numb	ber of FIA	I engih of Canul (ki contract	m) under Area Covered (ho)





#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

(F1A) with Memorandum of Agreement for Operation and Maintenance       Ippe 1 & 2       1       28 201       1010         31) Future Expansion       The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.       Image: Non 1,04	Name of System	BALANAC			
Original Construction Cost     P 500,000.00     6) Date of Rehabilitation     193.195.315.00     8) Current Status     Operating system       D Cost of Rehabilitation     P 32,105.575.00     8) Current Status     Operating system       D Firmed-up Service Area     1040     10) Pesigned Area     1209       D Number of Farmers Served     1277     14) Average Farm Size     0.7171       System of Lots     1435     16) Diversion Type     0 Oger Dam       D I length of Laterals     1435     16) Diversion Type     0 Oger Dam       D Length of Laterals     1435     20) Number of Turnouts     83       D Length of Service Roads     9.428     21) Farmflich Donsity     43.75       D J Length of Service Roads     9.428     21) Farmflich Donsity     43.75       D Length of Service Roads     9.428     21) Farmflich Donsity     43.75       D J Daminge Donsity     8.92     2.01 Farmflich Donsity     43.75       D Length of Service Roads     9.428     20) Average Annual Roinfall     7.75       D J Daminge Donsity     8.92     2.01 Farmflich Donsity     43.75       D J Daminge Donsity     8.92     2.01 Farmflich Donsity     43.75       D Service Roads     9.0     100     100       D For Ince     Area (rea     100       D Formine Served	) Water Resources Region	4 2) Source o	f Water Supply	Balanac River	
1 Cost of Reliabilitation       P 37, 105, 575, 00       8) Current Status       Operating system         0 Firmed-up Service Area       1040       10) Designed Area       1200         11) Potential Area       1300       12) Symbor of Landowners       928         3) Number of Farmers Served       1277       14) Average Farm Size       0.7171         5) Number of Farmers Served       1277       14) Average Farm Size       0.7171         5) Number of Farmers Served       1277       14) Average Farm Size       0.7171         5) Number of Farmers Served       1272       14) Average Farm Size       0.7171         5) Number of Farmers Served       1272       14) Average Farm Size       0.7171         10) Diversion Capacity       3.9       18) Length of Main Canal       13.263         10) Length of Service Roads       9.428       22) Length of Access Roads       20         20) Drainage Dentity       8.92       20) Farmfulch Dentity       13.75         21) Main Crops       Rice, Corn. Tegetables       135       135         22) Towns / Province Served       Towns       Province       Area (ha)         35 Cruz       Taguna       135       100         22) Drainage Affect Area       100       55       100 <td< td=""><td>) Approved Water Rights</td><td>1718 lps</td><td>1) Official Openi</td><td>ing of the System Mar</td><td>. 1967</td></td<>	) Approved Water Rights	1718 lps	1) Official Openi	ing of the System Mar	. 1967
Primed-tap Service Area       1040       10) Designed Area       1200         19 Potential Area       1360       12) Nomber of Landowners       928         31 Number of Farmers Served       1277       14) Average Farm Size       0.7171         51 Number of Lots       1435       16) Diversion Type       Ogee Dum         61 Number of Lots       1435       16) Diversion Type       Ogee Dum         70 Diversion Capacity       3.9       18) Length of Main Conal       13.263         90) Length of Carries Roots       9.428       20) Number of Turnouts       83         10) Length of Service Roots       9.428       20) Length of Access Roods       20         12) Length of Service Roots       9.428       20) Length of Access Roods       20         21) Destinge Denvity       8.92       21 (Farmfuch Denvity       43.75         25) Climatic Condition (Coronas)       Type IV       26 (Average Annual Rainfall       27         27) Main Crops       Rice, Corn. Legetables       135       29       20         28) Towns / Province Served       Towns       Province       Area (ha)         Su Cruc       Lagona       403       135         1937 Bosia       Lagona       403       136         1940       Dry <td>) Original Construction Cost</td> <td>P 900,000.00</td> <td>6) Date of Rehat</td> <td>ilitation 198</td> <td>1-1937 SLBIP</td>	) Original Construction Cost	P 900,000.00	6) Date of Rehat	ilitation 198	1-1937 SLBIP
11) Potential Area     1300     12) Number of Landowners     928       (2) Number of Farmers Served     1277     14) Average Farm Size     0.7171       (3) Number of Lots     1435     16) Diversion Type     Ogce Dam       (3) Number of Lots     1435     16) Diversion Type     Ogce Dam       (3) Diversion Capacity     3.9     18) Length of Main Canal     13.263       (3) Length of Intraits     14.938     20) Number of Furnouts     82       (3) Diversion Capacity     3.9     12) Length of Main Canal     13.263       (3) Diversion Capacity     3.9     20) Particle of Introuts     82       (3) Diversion Capacity     8.92     20) Farmfulch Denvity     13.75       (3) Diversion Condition (Coronag)     Type IV     26) Average Annual Rounfall     13.27       (3) Diversion Condition (Coronag)     Type IV     26) Average Annual Rounfall     13.27       (3) Towns / Province Served     Towns     Province     Area (ha)       Su Crist     Legena     403       Invition     Legena     403       <	) Cost of Rehabilitation	P 37,105,575.00	8) Current Statu	s Ope	rating system
13) Number of Farmers Served     1277     14) Average Farm Size     0.7171       15) Number of Lots     1435     16) Diversion Type     Ogce Dam       17) Diversion Capacity     3.9     18) Length of Main Canal     13.263       18) Length of Laterals     14.938     20) Number of Turnouts     82       19) Length of Service Roods     9.428     22) Length of Access Roods     20       20) Draitinge Density     8.92     24) Farmduch Density     13.75       25) Climatic Condition (Coronsy)     Type IV     26] Average Annual Rainfall     27       27) Main Crops     Rice, Corn, Fegetables     28     29     24) Farmduch Density     13.75       25) Climatic Condition (Coronsy)     Type IV     26] Average Annual Rainfall     27       27) Main Crops     Rice, Corn, Fegetables     29     70 mins Province Screed     30. Cris     Foguna     135       28) Towns / Province Screed     So. Cris     Foguna     105     135       29) Triggated / Benefitted Area     403     100     100       29) Irrigated / Benefitted Area     635.2843     937.3338     403       30) Formers Friggators Association     Nature of Contract     Number of FIA     Length of Cand Maj weter       30) Formers Friggators Association     Nature of Contract     Number of FIA     Length of Cand	)) Firmed-up Service Area	1040	10) Designed Ar	ea 120	)
13) Number of Lots     1435     16 Diversion Type     Oge Dam       17) Diversion Capacity     3.9     18) Length of Main Canal     13.263       17) Diversion Capacity     3.9     18) Length of Main Canal     13.263       19) Length of Laterals     14.938     20) Number of Turnouts     8.2       21) Length of Service Roots     9.428     21) Length of Access Roots     20       23) Draitinge Density     8.92     24) Farmditch Density     13.75       25) Climatic Condition (Corona)     Type IV     26) Average Annual Rainfall     75       27) Main Crops     Rice, Corn, Legetables     10     13.5       28) Towns / Province Served     Towns     Province     Area (ha)       30 & Cruz     Lagona     405       1 authors     Lagona     405       1 authors     Lagona     406       Abgehiton     Lagona     400       Average     1935-1995     Season     100       29) Irrigated / Renefitted Area     78     91     1010       30) Formers Irrigators Association     Nature of Contract     Number of FIA     Length of Canet (ha) under (ha) und	1) Potential Area	1300	12) Number of L	andowners 928	
17) Diversion Capacity     3.9     18) Length of Main Canal     13.263       19) Length of Laterals     14.938     20) Number of Turnouts     82       21) Length of Service Roads     9.428     22) Length of Access Roads     20       23) Drainage Density     8.92     24) Farmfuch Density     43.75       25) Climatic Condition (Coronas)     Type IV     26) Average Annual Rainfall     1       27) Main Crops     Rice, Corn, Fegetables     1     135       28) Towns / Province Served     Towns     Province     Area (ha)       Su Cruz     Laguaa     13       199 Triggited / Benofined Area     405       Average     1985-1995       Season     Wet     Dry       Triggited Area (ha)     535.2848       91 Friggited Area (ha)     635.2848       92) Formers Irrigators Association     Nature of Contract       (H4) with Memorandum of Area     7.797       30) Formers Irrigators Association     Nature of Contract       (H4) With Memorandum of Area     7.797       (H4) With Memorandum of Area     7.797       (H4) With Memorandum of Area     7.797       (H4) With Memorandum of Area Covered     7.797       (H4) With Memorandum of Area     7.797       (H4) With Memorandum of Area     7.797       (H4) Folure	3) Number of Farmers Served	1277	14) Average Far	m Size 0.71	71
19) Length of Laterols     11.938     20) Number of Turnouts     82       21) Length of Service Roads     9.428     22) Length of Access Roads     20       23) Drainage Density     8.92     24) Farmfutch Density     13.75       25) Climatic Condition (Coronas)     Type IV     26) Average Annual Bainfall     13.75       27) Main Crops     Rice, Corn, Fegetables     14.938     13.9       28) Towns / Province Served     Towns     Province     Area (ha)       Sia Cru:     Laguna     13.5       Poperation     Laguna     13.5       Poperation     Laguna     100       Vergengion     Laguna     100       29) Irrigated / Benofitted Area     Northere     1935-1995       Season     Wet     Dry     Third       Jengted Area (ha)     53.2843     937.3838       30) Formers Irrigates Association     Nature of Contract     Number of FIA     Irright of Coeff (hot under Grant at the covered for the system dru WRDP from 1,04 has.       31) Future Expansion     The present area may be increased after rehabilitation of the system dru WRDP from 1,04 has.	5) Number of Lots	1435	16) Diversion Ty	pe Oge	e Dam
11) length of Service Roods       9.428       22) Length of Access Roods       20         23) Drainage Density       8.92       24) Farmflich Density       43.75         23) Climatic Condition (Coronas)       Type II       26) Average Annual Rainfall       27         27) Main Crops       Rice, Corn. Vegetables       40         28) Towns / Province Served       Towns       Province       Area (ha)         Six Criz       Laguna       40         Magdatena       Laguna       100         29) Irrigated / Benefitted Area       Image Met       Dry         Average       1985-1995       Season       Wet       Dry         Benefitted Area (ha)       635.2848       937.3838       Average Yield (caveha)       78       91         30) Formers Irrigators Association (F1A)       Number of F1A       Length of Cased (imp) under tength of Cased (imp) under tength of Cased (imp) under tength of Cased (imp) under tengena for Operation and Maintenance       1 <t< td=""><td>7) Diversion Capacity</td><td>3.9</td><td>18) Length of M</td><td>ain Canal 13.2</td><td>63</td></t<>	7) Diversion Capacity	3.9	18) Length of M	ain Canal 13.2	63
23) Drainage Density:     8.92     24) Farmfulch Density:     43.75       23) Climatic Condition (Coronas)     Type IV     26) Average Annual Rainfall       27) Main Crops     Rice, Corn. Vegetables       28) Towns / Province Served     Towns     Province       38) Towns / Province Served     Towns     Province       39) Towns / Province Served     Towns     Province       30) Towns / Province Served     Towns     Province       31) Pogensim     Laguna     403       100     Magdatena     103       100     Magdatena     100       29) Irrigated / Benefated Area     1985-1993       Season     Wet     Dry       100     Total     0       29) Formers Irrigator Area (ha)     635.2848       30) Formers Irrigators Association     Nature of Contract     Number of FIA       (H1) With Memorandum of     Type I & 2     1       31) Future Expansion     The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.	19) Length of Laterals	14.938	20) Number of T	urnouts 82	
15p EV     26) Average Annual Rainfall       27) Main Crops     Rice, Corn. Vegetables       28) Towns / Province Served     Towns       Su Cruz     Loguna       Paysingian     Loguna       100     Main Crops       Su Cruz     Loguna       Paysingian     Loguna       100     Magehalena       100     Magehalena       100     Magehalena       11     Loguna       129) Irrigated / Benefitted Area       Average     1935-1995       Season     Wet       Dry     Third       Irrigated Area (ha)     635.2843       30) Formers Irrigators Association     Nature of Contract       (F1A) with Memorandum of     Area (Coverea       Maintenance     Type 1 & 2       31) Future Expansion     The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.	21) Length of Service Roads	9.428	22) Length of Ac	ccess Roads 20	
27) Main Crops       Rice, Corn. Legetables         28) Towns / Province Served       Towns       Province       Area (ha)         Six Cruz       Loguna       135         Pagsagion       Loguna       405         Lownson       Loguna       405         Lownson       Loguna       400         Main Crops       100       400         Six Cruz       Loguna       400         Magdalena       Loguna       100         Season       Loguna       100         29) Irrigated / Benefitted Area       404         Average       1935-1995         Season       Wet       Dry         Irrigated Area (ha)       635.2843         Benefitted Area (ha)       635.2843         Average Vield (cavha)       78         30) Formers Irrigators Association       Nature of Contract       Number of FIA       Longth of Canel (hay under contract         Maintenance       Type 1 & 2       1       28 201       1010         Maintenance       Intersent area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.	23) Drainage Density	8.92			75
Z8) Towns / Province Served       Towns       Province       Area (ha)         Six Cruz       Toguna       135         Pagsarjim       Laguna       403         Tamban       Laguna       400         Mogshilenx       Laguna       400         Mogshilenx       Laguna       400         Sightenx       Laguna       400         Mogshilenx       Laguna       400         Sightenx       Laguna       400         Mogshilenx       Laguna       400         Sightenx       Laguna       400         Mogshilenx       Laguna       100         29) Irrigated / Benefitted Area       1935-1995         Season       Wet       Dry       Third         Jrrigated Area (ha)       764.9682       955.2721       1010         Benefitted Area (ha)       635.2843       937.3838       4verage       4rea Coverea         (F1A) with Memorandum of Agreement for Operation and Maintenance       Number of F1A       Length of Cand (hm) under       Area Coverea         30) Formers Irrigators Association (Maintenance)       Type 1 & 2       1       28.201       1010         31) Future Expansion       The present area may be increased after rehabilitation of the system thru WRDP fro	25) Climatic Condition (Coronas)	Type IV	26) Average Ani	nual Rainfall	
Su Cruz     Loguna     133       Pagsanjan     Loguna     403       Lumboa     Loguna     400       Mogdalena     Loguna     100       29) Irrigated / Benefitted Area     0       Average     1985-1995       Season     Wet     Dry       Irrigated Area (ha)     764.9682       Benefitted Area (ha)     635.2848       Average Yield (cav/ha)     78       30) Formers Irrigators Association     Nature of Contract       Number of FIA     Longits of Cand (han) under Area Coverea       Agreement for Operation and Maintenance     Type I & 2       31) Future Expansion     The present area may be increased after rehabilitation of the system thru WRDP from 1,04 has.	27) Main Crops	Rice, Corn. Vegetable	'.S		
Pagsanjum     Laguna     405       Iwithan     Laguna     400       Mogdulena     I aguna     400       Mogdulena     I aguna     400       Season     I aguna     100       29) Irrigated / Benefitted Area     1935-1995       Season     Wet     Dry       Irrigated Area (ha)     635-2845       Benefitted Area (ha)     635-2848       Average Yield (cav/ha)     78       30) Farmers Irrigators Association (F1A) with Memorandum of Agreement for Operation and Maintenance     Nature of Contract     Number of F1A     Irright of Canet (hai) under contract       31) Future Expansion     The present area may be increased after rehabilitation of the system thru WRDP from 1,04 has.	28) Towns / Province Served	Towns	Province	Are	a (ha)
Average       1935-1995         Season       Wet       Dry       Third         Irrigated Area (ha)       764.9682       965.2721         Benefitted Area (ha)       635.2848       937.3838         Average Yield (cav/ha)       78       91         30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance       Nature of Contract       Number of FIA       Iength of Canel (km) under contract       Area Covereal 1040         31) Future Expansion       The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.       Number of file rehabilitation of the system thru WRDP from 1,04		Pagsanjan Luriban	Laguna Laguna	403 400	
SeasonWetDryThirdIrrigated Area (ha)764.9682965.2721Benefitted Area (ha)635.2848937.3838Average Yield (cav'ha)789130) Formers Irrigators Association (FIA) with Memorandum of Agreement for Operation and MaintenanceNature of ContractNumber of FIALength of Canel (km) under contractArea Covered contract31) Future ExpansionThe present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.To main the system thru WRDP from 1,04			Total	0	
Irrigated Area (ha)       764.9682       965.2721         Benefitted Area (ha)       635.2848       937.3838         Average Yield (cav/ha)       78       91         30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance       Nature of Contract       Number of FIA       Length of Cenet (km) under contract       Area Covereat         31) Future Expansion       The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.       Not WRDP from 1,04	29) Irrigated / Benefitted Area		Total	0	
Benefitted Area (ha)       635.2848       937.3838         Average Yield (cav/ha)       78       91         30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance       Nature of Contract       Number of FIA       Length of Canal (km) under contract       Area Covered to not user         31) Future Expansion       The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.       Image: Not user		1935-1995	Total	0	
Average Yield (cav/ha)       78       91         30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance       Nature of Contract       Number of FIA       Length of Canet (km) under contract       Area Covered contract         31) Future Expansion       The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.       Here Set increased ofter rehabilitation of the system thru WRDP from 1,04	Average			· · · · · · · ·	
30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance       Nature of Contract       Number of FIA       Length of Canel (km) under contract       Area Covered 1040         31) Future Expansion       The present area may be increased after rehabilitation of the system thru WRDP from 1,04 has.       Image: Contract       Image: C	Average Season	Wet	Dıŋı	· · · · · · · ·	
(FIA) with Memorandum of Agreement for Operation and Maintenance       Type 1 & 2       1       28.201       1040         31) Future Expansion       The present area may be increased ofter rehabilitation of the system thru WRDP from 1,04 has.       1040	Average Season Irrigated Area (ha)	Wet 764.9682	Dry 965.2721	· · · · · · · ·	
has.	Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 764.9682 635.2848	Dry 965.2721 937.3838	· · · · · · · ·	
	Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 764.9682 635.2848 78 Nature of Contract	Dry 965.2721 937.3838 91 Number of FIA	Third Isngih of Canst (km) under contrast	Area Covered (ha) 1010
	Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 764.9682 635.2848 78 Noture of Contract Type 1 & 2 The present area ma	Dry 965.2721 937.3838 91 Number of FIA 1	Third Isngih of Canct (hm) under contract 28 201	1010
31) Other Information	Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 764.9682 635.2848 78 Noture of Contract Type 1 & 2 The present orea may has.	Dry 965.2721 937.3838 91 Number of FIA 1 1	Third Length of Canct (km) under contrast 28 201 litation of the system thru	1010
33) Other Information	Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Fermers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 764.9682 635.2848 78 Noture of Contract Type 1 & 2 The present orea may has.	Dry 965.2721 937.3838 91 Number of FIA 1 1	Third Length of Canct (km) under contrast 28 201 litation of the system thru	1010



.

 $\bigcirc$ 



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	BALAYU	NGAN				
1) Water Resources Region	4 2,	) Source of We	ater Supply	Balayungan River		· · · · · · · · · · · · · · · · · · ·
3) Approved Water Rights			4) Official Of	vening of the System	Spar	nish Time
5) Original Construction Cost			6) Date of Re	habilitation	1	
7) Cost of Rehabilitation			8) Current St.	atus	Oper	rating System
9) Firmed-up Service Area	1655.8518		10) Designed	Area	1699	2.6157
11) Potential Area	1699.6157		12) Number o	Landowners	1081	······································
13) Number of Farmers Served	1019		14) Average	Farm Size	1.62	······································
15) Number of Lots	1081		16) Diversion	Type	Dive	rsion Dam
17) Diversion Capacity	2.54942		18) Length of	Main Canal	14.3	97
19) Length of Laterals	17.973		20) Number o	of Turnouts	212	
21) Length of Service Roads	32.35			Access Roads	-†	
23) Drainage Density			24) Farmdite		+	
25) Climatic Condition (Coronas)	Type I			Annual Rainfall	1	
27) Main Crops	Rice					
28) Towns / Province Served	Towns	<u> </u>	Province		Area	1 (ha)
	Nuic		Cavite		· · · · - ·	6] (]
	Ternate Maragondon		Cavite Cavite		26.4	365
			Tatal			
29) Irrigated / Benefitted Area			Total	·····	0	
29) Irrigated / Benefitted Area Average	1935-1995		Total		0	
29) Irrigated / Benefitted Area Average Season	1935-1995 Wet		Total Dry	Third	0	
Averoge	· (	····		Third	0	···· ·· · · · · · · · · · · · · · · ·
Average Season	Wet		Dry.	Third	<b>0</b>	······································
Average Season Irrigated Area (ha)	Wet 1586	·····	Dry: 1453	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 1586 1273		Dry 1453 1452	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 1586 1273 61 Nature of C		Dry: 1453 1452 83	· · · · · · · · · · · · · · · · · · ·		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 1586 1273 61		Dry: 1453 1452 83	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1586 1273 61 Nature of C		Dry: 1453 1452 83	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) <u>Average Yield (cav/ha)</u> 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1586 1273 61 Nature of C		Dry: 1453 1452 83	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1586 1273 61 Nature of C		Dry: 1453 1452 83	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) <u>Average Yield (cav/ha)</u> 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1586 1273 61 Nature of C Stage 1		Dry 1453 1452 83 Number of FIA	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1586 1273 61 Nature of C Stage 1	iontract	Dry 1453 1452 83 Number of FIA	Length of Canal (Lm		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1586 1273 61 Nature of C Stage 1	iontract	Dry 1453 1452 83 Number of FIA	Length of Canal (Lm		Area Covered (ha)

III- 49

 $\bigcirc$ 

**(** 

J



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	BANKUD					
) Water Resources Region	4 2) 3	Source of Water Supp	dy	Kay Alemang Rive	r	
) Approved Water Rights		Ð	Official Ope	ming of the System	Spani	sh Time
) Original Construction Cost		6).	Date of Reh	abilitation		
) Cost of Rehabilitation		8) (	Current Sta	lus	Open	nting system
)) Firmed-up Service Area	512.1433	10)	) Designed .	4rea	800	
1) Potential Area	800	12)	) Number of	Landowners	204	
3) Number of Farmers Served	327	14,	) Average F	arm Size	1.566	
15) Number of Lots	255	16,	) Diversion	Type	Diver	sion Dam
17) Diversion Copacity	1.2	18,	) Length of	Main Canal	H.5	
19) Length of Laterals	6.7	20,	) Number oj	Turnouts	99	
21) Length of Service Roads	11.36	22	) Length of	Access Roads		
23) Drainage Density	16.7	24	) Farmditch	Density	19.05	}
25) Climatic Condition (Coronas)	Type I	26	) Average A	nnual Rainfall		
27) Main Crops	Rice			1		
29) Irrigated / Benefitted Area	1085-1005	To	otol	• • • • • • • • • • • • • • • • • • •	0	
Averoge	1985-1995		otal	This	0	
Average Season	Wet	Dıy		Third	0	
Average Season Irrigated Area (ha)	Wet 669.7862	Dry 132.058	:5	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 669.7862 585.7193	Dry 132.058 132.058	:5	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	18'et 669.7862 585.7193 65	Dry 132.058 132.058 83	-5		· · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 669.7862 585.7193	Dry 132.058 132.058 83	-5	Third Length of Canal (S contract	· · · · ·	Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	18'et 669.7862 585.7193 65	Dry 132.058 132.058 83	-5	Length of Canal (k	· · · · ·	Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 669.7862 585.7193 65 Nature of Ca	Dry 132.058 132.058 83	5 15 10 of FIA	Length of Canal (k	· · · · ·	Area Covered (ho)



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

-----

Name of System	BANSUD			
1) Water Resources Region	1 2).	Source of Water Supply	Bansud & La	ingkawan Rivers
3) Approved Water Rights		1) Offi	cial Opening of the Syst	em
5) Original Construction Cost		6) Dat	e of Rehabilitation	1975
1) Cost of Rehabilitation		8) Cur	rent Status	Operating System
9) Firmed-up Service Area	870	10) De	rsigned Area	1081
11) Potential Area	1081	12) Nu	unber of Landowners	679
13) Number of Farmers Served	693	[4] Av	erage Farm Size	1.45
15) Number of Lots	601	16) Di	version Type	Diversion Dam
17) Diversion Capacity	1.6	18) I.e.	ngth of Main Canal	7.553
19) Length of Laterals	11.288	20) Ni	mber of Turnouts	39
21) Length of Service Roads	22.134	22) Le	ngth of Access Roads	15.25
23) Drainage Density	15		rinditch Density	75
25) Climatic Condition (Coronas)	Type IV	······	erage Annual Rainfall	2027.6
27) Main Crops	Rice, Monggo			····· = ···· = ·······················
	Bensud	Oriento	і Мінкого	870
29) Irrigated / Benefitted Area		Total	· <b>- · · · · · · · · · · · · · · · · · ·</b>	0
Average	1985-1995	Total		0
Average Season	1985-1995 Wet	Total Dry	Third	0
Average Season Irrigated Area (ha)			Third	0
Average Season	S'et	Длу	Third	0
Average Season Irrigated Area (ha)	Wet 870.21	Dry 830.8	Third	· · · · · ·
Season Irrigated Area (ha) Benefitted Area (ha)	Wet 870.21 767.06	<b>Dry</b> 830.8 798.27 76		0 sal (Am) under Area Covered (ha) 209
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of Agreement for Operation and	9761 870.21 767.06 71 Nature of Cor Type 1 & 2	<b>Dry</b> 830.8 798.27 76	7.A Length of Car contract 3.586	nal (Am) under Area Covered (ha) 209
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wet           870.21           767.06           71           Nature of Cor           Type 1 & 2           Proposed Mar	Dry 830.8 793.27 76 ntract Number of I 1	7.4 Length of Cer contract 3.586 Dject has potential area	ral (Am) whiler Area Covered (ha) 209 of 884 ha

**HI-51** 

0

J



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

N	DI COLO	44000				
Name of System	+ ··· ··· <b>··· ··· ··</b>	MARCEL				
) Water Resources Region	4	) Source of	Water Supply	Rio Grande Rive		
) Approved Water Rights			4) Official O	pening of the System	Span	ish Time
) Original Construction Cost			6) Date of Re	habilitation		
Cost of Rehabilitation		·	8) Current S	atus	Opera	ating system
) Firmed-up Service Area	1973.944	رب و بغیر چنون در محمد مد می	10) Designed	l Area	2300	
1) Potential Area	2300		12) Number	of Landouners	796	
3) Number of Farmers Served	1055		14) Average	Farm Size	1.87	
5) Number of Lots	837		16) Diversio	n Type	Diver	rsion Dam
7) Diversion Capacity	3450		18) Length o	f Main Canal	26.81	18
9) Length of Laterals	25.375		20) Number	of Turnouts	282	
1) Length of Service Roads	35.5		22) Length o	f Access Roads	3.4	
23) Drainage Density	<b>T</b>		24) Farmdite	h Density		<u></u>
25) Climatic Condition (Coronas)	Type I		26) Average	Annual Rainfall		
27) Main Crops	Rice, Garli	c, Watermel		· · · · ·	<b>b</b>	
28) Towns / Province Served	Towns		Province		Area	(ha)
	:					
29) Irrivated / Benefitted Area		·····	Total		0	·····
29) Irrigated / Benefitted Area Average	1015-100	·····	Total		0	
Average	1985-1993 War	······	· · · ·		0	
Average Season	Wet	······	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 1964.08	······	Dry 205.9607	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1964.08 1741.59	······	Dry 205.9607 205.9607	Third	<i>• • • • • • • • • • • • • • • • • • • </i>	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 1964.05 1741.59 65		Dry 205.9607 205.9607 84			Area Covered (ba)
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1964.08 1741.59		Dry 205.9607 205.9607 84 Number of FIA	Length of Canat contract	(hm) under	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1964.05 1741.59 65 Nature of Stage 1		Dry 205.9607 205.9607 84 Number of FIA	Length of Canat contract	(Am) under	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1964.05 1741.59 65 Noture of Stage 1	Contract	Dry 205.9607 205.9607 84 Number of FIA	Length of Canat contract	(Am) under	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1964.05 1741.59 65 Noture of Stage 1	Contract	Dry 205.9607 205.9607 84 Number of FIA	Length of Canat contract	(Am) under	· · · · · · ·



9

# NATIONAL WATER RESOURCES BOARD

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	CABUYAO EAST	PUMPS		
1) Water Resources Region	4 2) Source of	f Water Supply	San Cristobal Rive	r
3) Approved Water Rights		1) Official Op	ening of the System	Aug. 1980
5) Original Construction Cost	P 20,207.481.18	6) Date of Reh	abilitation	On-going IOSP
7) Cost of Rehabilitation	P 1.362,412.88	8) Current Sta	lus	Operating System
9) Firmed-up Service Area	632	10) Designed.	trea	1332
11) Potential Area	1132	12) Number of	Landowners	267
13) Number of Farmers Served	349	14) Average F	arm Size	1.28
15) Number of Lots	493	16) Diversion	Туре	Pumps
17) Diversion Copacity	2.15	18) Length of	Main Canal	5.26
19) Length of Laterals	10.81	20) Number oj	Turnouts	30
21) Length of Service Roads	15.74	22) Length of		5.6
23) Drainage Density	18.05	24) Farmchick		66
25) Climatic Condition (Coronas)	Type II'		nnual Rainfall	1284
27) Main Crops	Rice, Garlic, Waterme			_ <b>_</b>
28) Towns / Province Served	Towns	Province	— <u> </u>	Area (ĥa)
		Total	<u>1</u>	0
29) Irrigated / Benefitted Area	1085-1005	Total	i	0
Average	1935-1995 Wat	- · · · · · · · · · · · · · · · · · · ·		0
Average Season	Wet	<i>Dŋ</i> ;	Third	0
Average Season Irrigated Area (ha)	Wet 582	Dry 579	Third	0
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 582 5/3	Dry 579 546	Third	0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho)	Wet 582 513 80	Dry 579 516 99	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 582 5/3	Dry 579 546	Third Isngth of Canul (km) contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 582 513 80	Dry 579 516 99	length of Canal (km)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 582 513 80	Dry 579 516 99	length of Canal (km)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 582 513 80	Dry 579 516 99	length of Canal (km)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 582 513 80 Nature of Contract	Dry 579 516 99	Length of Canal (km) contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 582 513 80 Nature of Contract	Dry 579 546 99 Number of F1A	Length of Canal (km) contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 582 513 80 Nature of Contract There will be expansio	Dry 579 546 99 Number of FIA n if Lateral C & D coul	Length of Canut (km) contract d be irrigated.	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 582 513 80 Nature of Contract There will be expansio	Dry 579 546 99 Number of F1A	Length of Canut (km) contract d be irrigated.	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 582 513 80 Nature of Contract There will be expansio	Dry 579 546 99 Number of FIA n if Lateral C & D coul	Length of Canut (km) contract d be irrigated.	

III- 53



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM



Name of System	CANTIN	GAS					
) Water Resources Region	1 2	) Source of	Water Supply	Canti	igas River		
) Approved Water Rights			4) Official	Opening of I	he System	1957	
) Original Construction Cost	P 204,800.0	0	6) Date of	Rehabilitatio		1996	<u></u>
) Cost of Rehabilitation	P 3,026,735	.00	8) Current	Status		Opera	ting sytem
)) Firmed-up Service Area	256		10) Design	ed Area		310	**************************************
1) Potential Area	310		12) Numbe	r of Landon	ners	319	<u></u>
3) Number of Farmers Served	301		14) Averag	e Farm Size		0.83	
15) Number of Lots	310		16) Divers	ion Type		Intake	,
17) Diversion Capacity	1		18) Length	of Main Ca	nal	3.08	
19) Length of Laterals	3.45	·····	· · · · · · · · · · · · · · · · · · ·	r of Turnou		34	
21) Length of Service Roads	6.15		22) Length	of Access R	oads	1	<u> </u>
23) Drainage Density		. <u></u>		utch Density		1	· · · ·
25) Climatic Condition (Coronas)	Туре I	···-	26) Avera	ze Annual Re	iinfall	194.3	6
27) Main Crops	Rice						
28) Towns / Province Served	Towns		Province			Area	(ha)
	Fenundo		Rombton			256	
			Total				
29) Irrizated / Benefitted Area			Total			0	
29) Irrigated / Benefitted Area Average	1985-1995		Total			0	
29) Irrigated / Benefitted Area Average Season				Th	ird	0	· · · · · · · · · · · · · · · · · · ·
Average Season	Wet	··· · · · · · ·	Dıy.	Th	ird	0	•
Average Season Irrigated Area (ha)		······································	<b>Dry</b> 256	Th	ird	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 256	······································	<b>Dry</b> 256 256	Th	ird	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 256 256	· · · · · · · · · · · · · · · · · · ·	<b>Dry</b> 256	į.	ird gth of Canal (Sm tract	 	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 256 256 70	· · · · · · · · · · · · · · · · · · ·	<b>Dry</b> 256 256 70	į.	igth of Canal (km tract	 	Area Covered (ha) 256
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 256 256 70 Nature of	· · · · · · · · · · · · · · · · · · ·	<b>Dry</b> 256 256 70	Lei con	igth of Canal (km tract	 	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 256 256 70 Nature of	· · · · · · · · · · · · · · · · · · ·	<b>Dry</b> 256 256 70	Lei con	igth of Canal (km tract	 	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 256 256 70 Nature of Stage III	Contract	<b>Dry</b> 256 256 70	Lee cor 6.	gth of Canal (km tract 53	 	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 256 256 70 Nature of Stage III Additional	Contract Contract	Dry 256 256 70 Number of HA 3	Let con 6. nt by ARC a	gth of Canat (kn tract 53 11d ARISP	 	

. . . . . . .



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	CULON	G-CULON	'G			
1) Water Resources Region	4	2) Source of	Water Supply	Culong-culong	River	
3) Approved Water Rights			4) Official O	pening of the System	Spani	sh time
5) Original Construction Cost			6) Date of Re			
7) Cost of Rehabilitation		·	8) Current St	alus	Opera	ting system
9) Firmed-up Service Area	507.3497		10) Designed	l Area	610.7	ورير مستندر و مردم ترد م
11) Potential Area	610.7789	<u> </u>	12) Number	of Landowners	682	
13) Number of Farmers Served	376		14) Average	Farm Size	1.6	
15) Number of Lots	382		16) Diversion	n Type	Diver	sion Dam
17) Diversion Capacity	916		18) Length o	f Main Canal	14.40	7
19) Length of Laterals	11.506		20) Number	of Turnouts	75	
21) Length of Service Roads	14.7			f Access Roads		
23) Drainage Density	1	· · · · · · · · · · · · · · · · · · ·	24) Farmdite			
25) Climatic Condition (Coronas)	Type I			Annual Rainfall		
27) Main Crops	Rice					
	ſ					
29) Irrigated / Benefitted Area			Total	. <u>.</u>	0	
29) Irrigated / Benefitted Area Average	1985-1995		Total		0	
-	1985-1995 Wet		· · · · · · · · ·	, Third	00	
Average			Total Dry 232	' Third	0	
Average Season	Wet	· · · · · · · · · · · · · · · · · · ·	, Dry	' Third	0	
Average Season Irrigated Area (ha)	Wet 522	· · · · · · · · · · · · · · · · · · ·	. Dry 232	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 522 443 61 Nature of (	· · · · · · · · ·	. Dry 232 228 63 Number of FIA	Third Length of Canul ( contract 26.9	······································	Atea Covered (ha) 507 3497
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 522 443 61 Nature of (	 Contract	. Dry 232 228 63 Number of FIA	Length of Canol ( contract	······································	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 522 443 61 Nature of (	 Contract	. Dry 232 228 63 Number of FIA	Length of Canol ( contract	······································	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 522 443 61 Nature of t Stage I (Te	Contract mporary tur	. Dry 232 228 63 Number of FIA	Length of Canol ( contract	······································	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 522 443 61 Nature of t Stage I (Te	Contract mporary tur	. Dry 232 228 63 Number of FIA 376	Length of Canol ( contract	······································	

HI- 55

.

9

.

I



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

 $\bigcirc$ 

) Water Resources Region ) Approved Water Rights ) Original Construction Cost ) Cost of Rehabilitation )) Firmed-up Service Area	1 2) Source of P 854,145,17	Water Supply 4) Official Ope 6) Date of Rehi	Diezmo River ning of the System	• _ • • • • • • • •	
) Original Construction Cost ) Cost of Rehabilitation ) Firmed-up Service Area	P 854,145,17		ning of the System		
) Cost of Rehabilitation ) Firmed-up Service Area	P 854,145,17			Friars	s era
) Firmed-up Service Area	P 854,145,17			On-go	oing IOSP
		8) Current Stat	12+5		ning System
The Destantial Array	693	10) Designed A	trea	1	
1) Potential Area		12) Number of		174	
3) Number of Farmers Served	262	14) Average Fa	arm Size	2.02	·····
5) Number of Lots	344	16) Diversion	Туре	Run-c	f-river
7) Diversion Capacity	2.13	18) Length of S	Main Canal	8.72	
9) Length of Laterals	22.15	20) Number of		22	
1) Length of Service Roads		22) Length of .		1	
3) Drainage Density		24) Farmditch		25	
25) Climatic Condition (Coronas)	Type IV	26) Average Al		1530	
27) Main Crops	Rice, Garlic, Watermet		······································		
28) Towns / Province Served	Towns	Province	•.••	Area	 (ha)
29) Irrigated / Benefitted Area		Total	•••••••••••••••••••••••••••••••••••••••	0	
Average	1985-1995				
Season	Wet	Da	Third	•	
Irrigated Area (ha)	618	493	-		
Benefitted Area (ha)	596	491	• • • • •		
Average Yield (cav/ha)	66	70	· · ·		
30) Farmers Irrigators Association	Nature of Contract	Number of FIA	Length of Canal (km	under	Area Covered (ha)
(FIA) with Memorandum of			contract		mu connu (na)
Agreement for Operation and Maintenance	·····				·······
	·····	- 1 • • • • • • • • • • • • • • • • • •			
			i		·
	1				
31) Future Expansion					
31) Future Expansion 32) Deterioration of the System	The system needs reha	b. Drainage & flood cor	ntrol needs rehabilita	lion.	



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

	DUMACAA				
I) Water Resources Region	4 2) Source	of Water Supply	Dumaca & Ibia I	liver	
3) Approved Water Rights	3200	4) Official (	Ipening of the System	Aug. 31, 1954	
5) Original Construction Cost	P 1,581,240.00	6) Date of H	Rehabilitation	1977-1996	
7) Cost of Rehabilitation	P 75,000,000.00	8) Current S	Status	Operating System	m
9) Firmed-up Service Area	2509	10) Designa	d Area	2227	
11) Potential Area	2227	12) Number	ofLandowners	1346	/
13) Number of Farmers Served	1257	14) Average	e Farm Size	1.5	
15) Number of Lots	2099	16) Diversio	on Type	Diversion Dam	
17) Diversion Capacity	3.76	18j Length	of Main Canal	3.702	
19) Length of Laterals	18.85	20) Number	of Turnouts	200	
21) Length of Service Roads	82.702	22) Length	of Access Roads		
23) Drainage Density	T	24) Farmdi	ich Density	41.18	
25) Climatic Condition (Coronas)	Type IV	26) Average	Annual Rainfall	3053.6	
27) Main Crops	Rice				
28) Towns / Province Served	Towns	Province		Area (ha)	
	Lucena Pagbilos Tojuhas	Quezon Quezon Quezon		2509	
Average Season Irrigated Area (ha)	1985-1995 Wet 1810	Total Dry 2123	Third	0	
Season Irrigated Area (ho) Benefitted Area (ho)	Wet 1810 1626	Dry 2123 1900	Third	0	
Average Season Irrigated Area (ha)	Wet 1810	Dry 2123	Third Length of Cand (h) Contract		ered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1810 1626 65	Dry 2123 1900 70	Length of Canal (A)		ered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1810 1626 65 Nature of Contract	Dry 2123 1900 70 Number of FIA	Length of Canal (A)	n) under Area Cov	ered (ha)

•



J



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	EMBAR	CADERO	)-BALUCTOT			
) Water Resources Region	4	2) Source of	f Water Supply	Malaking Rog	River	
3) Approved Water Rights			4) Official C	pening of the Syste	m Span	ish Time
5) Original Construction Cost			6) Date of R	ehabilitation		
i) Cost of Rehabilitation			8) Current S	tatus	Oper	ating system
)) Firmed-up Service Area	775.8032		10) Designe	l Area	1000	•
1) Potential Area	1000		12) Number	of Landowners	296	
13) Number of Farmers Served	248		14) Average	Farm Size	3.13	
15) Number of Lots	320		16) Diversio	n Type	Dive	rsion Dam
17) Diversion Capacity	11.5		18) Length	f Main Canal	12.3.	3
19) Length of Laterals	6.54		20) Number	of Turnouts	117	
21) Length of Service Roads	26.48		22) Length	Access Roads	4.46	
23) Drainage Density			24) Farindii			,
25) Climatic Condition (Coronas)	Type I		26) Average	Annual Rainfall		
27) Main Crops	Rice, Amp	alaya				
28) Towns / Province Served	Towns		Province		Area	(ha)
	Intus		Cavite		6.10	3-3
		,	Tatel			
29) Irrigated / Benefitted Area			Total		0	
29) Irrigated / Benefitted Area Average	1985-199	5	Total		0	
	1985-199. Wet	5	Total Dry	Third	0	
Average		5	· · · · · ·	Third	0	
Average Season	Wet		Dıy	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (caviha)	Wet 522.0421		Dry 11.875	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 522.0421 457,7959		Dry 11.875 11.875	Third Length of Cam contract	· · · · · · · · · · · · · · · · · · ·	Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (caviha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 522 0421 457, 7959 59 Nature of		Dry 11.875 11.375 65	l Length of Can	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitied Area (ha) Average Yield (caviha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 522 0421 457, 7959 59 Nature of		Dry 11.875 11.375 65	l Length of Can	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (caviha) 30/ Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 522.0421 157,7959 59 Nature of Stage 1	Contract	Dry 11.875 11.375 65	l Length of Can	· · · · · · · · · · · · · · · · · · ·	Area Covered (ho)

()





#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	HANAG	DON			
1) Water Resources Region	1	2) Source of	Water Supply	Hanagdon River	۵۰۰ (موجود در ۲۰۰۵ ۲۰۰۵ و ۱۹۹۰ مورو دید. میشود است. ۲۰۰۰ میشود است. می این است. ۲۰۰ میرون این استفاده و میرو
3) Approved Water Rights	393		I) Official C	pening of the System	1941
5) Original Construction Cost	P 100,000.	00	6) Date of R	ehabilitation	1977-1996 (incl. Dumacaa
7) Cost of Rehabilitation	P1,335,705	0.00	8) Current S	tatus	Operating System
9) Firmed-up Service Area	329		10) Designe	d Area	329
11) Potential Area	329		12) Number	ofLandowners	32
13) Number of Farmers Served	218	<u> </u>	14) Average	Farm Size	2
15) Number of Lots	40		16) Diversio	n Type	Diversion Dam
17) Diversion Copacity	0.05		18) Length o	f Main Canal	7.3
19) Length of Laterals	1.8		20) Number	of Turnouts	7
21) Length of Service Roads	7.3		22) Length o	of Access Roads	3660
23) Drainage Density			24) Farmdit	ch Density	69.56
25) Climatic Condition (Coronas)	Type II'			Annual Rainfall	1350
27) Main Crops	Rice				
	Sariaya		Quezon		329
29) Irrigated / Benefitted Area Average	1985-1995		Total		0
29) Irrigoted / Benefitted Area Average Season	1985-1995 Wet		Total	Third	0
Average		····· · · · · · · · · ·	s ·	Third	<b>0</b>
Average Season	Wet	· · · · · · · · · · · · · · · · · · ·	Dry	Third	<b>0</b>
Average Season Irrigated Area (ha)	Wet 291	· · · · · · · · ·	Dry: 252	Third	<b>0</b>
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 291 259	······································	Dry 252 228	Third Length of Cand (k contract 3.71	· · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 291 259 65 Nature of 6	······································	Dry 252 228 70	Length of Cand (k. contruct	m) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 291 259 65 Nature of 6	······································	Dry 252 228 70	Length of Cand (k. contruct	m) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 291 259 65 Nature of 0 Stage II	Contract	Dry 252 225 70 Number of FIA 1	Length of Cand (k. contruct	m) under Area Covered (ha) 95.16







#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	KAY-AKLE RIVE	R			
) Water Resources Region	4 2) Source of	Water Supply	Kay-Akle Kiver		
) Approved Water Rights		4) Official Of	ening of the System		
) Original Construction Cost		6) Date of Re	habilitation		
) Cost of Rehabilitation		8) Current Sta	ntus	Operat	ing system
) Firmed-up Service Area	374.459	10) Designed	Area	378.29	6
1) Potential Area	378.296	12) Number o	fLandowners	260	
3) Number of Farmers Served	260	14) Average 1	Farm Size	1.45	
5) Number of Lots	260	16) Diversion	n Type	Divers	ion Davi
7) Diversion Capacity	567	18) Length oj	f Main Canal	12.525	
9) Length of Laterals		20) Number o	of Furnouts	47	
(1) Length of Service Roads	8.26	22) Length of	f Access Roads		· · · · · · · · · · · · · · · · · · ·
3) Drainage Density		24) Farmdite	h Density		
25) Climatic Condition (Coronas)	Type 1	26) Average	Annual Rainfall		· · · · ·
27) Main Crops	Rice				
28) Towns / Province Served	Towns	Province		Area (	ha)
	Maragendon	Cavite		3~4.89 3.4141	19
					•
29) Irrigated / Benefitted Area	· · · · · · · · · · ·	Total		0	
	1985-1995	Total		0	• 
	1985-1995 Wet	Total Dry	Third	0	•
Average			Third	0	• 
Averaze Season	Wet	Dry:	Third	0	• 
Average Season Irrigoted Area (ha)	Wet 324	Dry 257	Third	0	
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 324 268 61	Dry 257 257 83	Length of Canal (		Area Covered (ho)
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 324 268 61 Nature of Contract	Dry 257 257 83 Number of FIA	Length of Canal ( contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 324 268 61	Dry 257 257 83	Length of Canal (		Area Covered (ha) 166
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 324 268 61 Nature of Contract	Dry 257 257 83 Number of FIA	Length of Canal ( contract		
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 324 268 61 Nature of Contract Type 1	Dry 257 257 83 Number of FIA 1	Length of Canal ( contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 324 268 61 Nature of Contract	Dry 257 257 83 Number of FIA 1	Length of Canal ( contract		
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 324 268 61 Nature of Contract Type 1	Dry 257 257 83 Number of FIA 1	Length of Canal ( contract		
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigotors Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 324 268 61 Nature of Contract Type 1	Dry 257 257 83 Number of FIA 1	Length of Canal ( contract		
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigotors Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 324 268 61 Nature of Contract Type 1 Expansion of 100 ha.	Dry 257 257 83 Number of FIA 1	Length of Canal ( contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 324 268 61 Nature of Contract Type 1 Expansion of 100 ha. Canal Rehabilitation	Dry 257 257 83 Number of FIA 1	Fength of Canal ( contract 5.997	(hm) under	166
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigotors Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 324 268 61 Nature of Contract Type 1 Expansion of 100 ha. Canal Rehabilitation	Dry 257 257 83 Number of FIA 1	Fength of Canal ( contract 5.997	(hm) under	166



9

NATIONAL WATER RESOURCES BOARD

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	LAGNAS	· · · · ·					
1) Water Resources Region	4 2	) Source of	Water Supply	T	agnas and Bul	akin River	
3) Approved Water Rights	1000		4) Officia	1 Openin	g of the System	Aug.	16, 1958
5) Original Construction Cost	P 300,000.0	0	6) Date of	(Rehabil	litation	1977	- 1996 (incl. Dumacad
7) Cost of Rehabilitation	· · · · · · · · · · · · · · · · · · ·		8) Curren	t Status		Oper	ating System
9) Firmed-up Service Area	857		10) Desig	ned Arec	}	753	
11) Potential Area	753		12) Numb	er of La	ndowners	344	
13) Number of Farmers Served	195		14) Avera	ige Farm	Size	1	
15) Number of Lots	544		16) Diver	sion Typ	e	Diver	rsion Dam
17) Diversion Capacity	1.3		18) Lengi	h of Mai	n Canal	6.26	· · · · · · · · · · · · · · · · · · ·
19) Length of Laterals	8.6		20) Numb	er of Tu	nouts	16	
21) Length of Service Roads	13.17		22) Lengi	h of Acc	ess Roads	1.78	
23) Drainage Density			24) Farm	ditch De	nsity	23.5	······································
25) Climatic Condition (Coronas)	Type II	- <u></u>			al Rainfall	5475	<u></u>
27) Main Crops	Rice						
28) Towns / Province Served	Towns		Province			Area	(ha)
	Tisong		Quezon			85-	
29) Irrigaled / Benefilted Area			Totał			0	·····
29) Irrigated I Benefitted Area Average	1985-1995		Total			0	·····
	1985-1995 Wet		Total Dry	•••• ••••	Third	0	
Average				···· ···	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season	Wet		Dry	· · · · · ·	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 601	· · · · · · · · · · · · · · · · · · ·	Dry: 506	· · · · · · · · · · · · · · · · · · ·	Third	0	
Average Season Irrigated Area (ha)	Wet 601 515 65	ontract	Dry 586 452 70		Third Lengik of Canol (A		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 601 515	ontract	Dry 506 452				Atea Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 601 515 65	ontract	Dry 586 452 70		Jengik of Canal (k		Atea Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 601 515 65	ontract	Dry 506 452 70 Number of FIA		Jengik of Canal (k		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 601 515 65	ontract	Dry 506 452 70 Number of FIA		length of Canol (A contract		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 601 515 65	ontract	Dry 506 452 70 Number of FIA		length of Canol (A contract		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 601 515 65	ontract	Dry 506 452 70 Number of FIA		length of Canol (A contract		Atea Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 601 515 65 Nature of C		Dry 506 452 70 Number of FIA		Length of Canol (A contract	kmj under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 601 515 65 Nature of C		Dry 506 452 70 Number of FIA		Length of Canol (A contract	kmj under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 601 515 65 Nature of C		Dry 506 452 70 Number of FIA		Length of Canol (A contract	kmj under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 601 515 65 Nature of C		Dry 506 452 70 Number of FIA		Length of Canol (A contract	kmj under	Area Covered (ha)



# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	LUKSU	HIN-MAKU				
Water Resources Region	4	2) Source of	Water Supply	Malinta River		
Approved Water Rights			4) Official Ope	ening of the System	Spanis	h Time
Original Construction Cost			6) Date of Reh	abilitation		
Cost of Rehabilitation			8) Current Sta	tus	Opera	ting system
) Firmed-up Service Area	198.1639		10) Designed.	drea	900	
I) Potential Area	900		12) Number oj	Landowners	312	
3) Number of Farmers Served	401		14) Average F	'arm Size	1.24	·····
5) Number of Lots	359		16) Diversion	Type	Divers	sion Dam
7) Diversion Capacity	1350		18) Length of	Məin Canal	17.69	<u>s</u>
9) Length of Laterals	13.603		20) Number o	f Turnouts	103	
1) Length of Service Roads	1.25		22) Length of	Access Roads		
3) Drainage Density			24) Farmditci	h Density		
15) Climatic Condition (Coronas)	Type I		26) Average /	Innual Rainfall		. <u></u>
27) Main Crops	Rice, Am	palaya				
28) Towns / Province Served	Towns		Province		Area	(ha)
	Imus Dasmaria		Cavite Cavite		258.45 606.74	
			Total		0	····
29) Irriguted / Benefitted Area			Total		0	
29) Irrigated / Benefitted Area Averoge	1985-19	95	Totał		0	
	1985-19 Wet	95	Total Dry	Third	0	·
Average				Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season	Wet	2		Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha)	Wet 594,803	2	Dry	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wei 594.803 539.949 54	2		Third Length of Canal (k contract	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 594,803 539,949 54 Nature	2	Dry Number of FIA	Length of Canal (k	m) uniler	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 594,803 539,949 54 Nature	2	Dry Number of FIA	Length of Canal (k contract	m) uniler	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 594 803 539,949 54 Nature Stage 1	2 4 of Contract	Dry Number of FIA	Length of Canal (k contract	m) uniler	Area Covered (ha)



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	LUMBAN	V			
1) Water Resources Region	1 2	) Source of	Water Supply	NPC Tailrace a	nd Leuin Cr.
3) Approved Water Rights			4) Official C	pening of the System	Apr. 16, 1967
5) Original Construction Cost	P 100,000.0	0	6) Date of R	ehabilitation	
7) Cost of Rehabilitation			8) Current S	latus	Operating System
9) Firmed-up Service Area	102		10) Designe	d Area	
11) Potential Area	200		12) Number	of Landowners	81
13) Number of Farmers Served	100		14) Average	Farm Size	0.8304
15) Number of Lots	123		16) Diversio	on Type	Intake
17) Diversion Capacity	0.11		18) Length o	of Main Canal	4.662
19) Length of Laterals	1.058		20) Number	of Turnouts	5
21) Length of Service Roads	1		22) Length e	of Access Roads	8
23) Drainage Density	11.76		24) Farmdit	ch Density	29.28
25) Climatic Condition (Coronas)	Type IV			Annual Rainfall	
27) Main Crops	Rice, Corn,	Vegetables			
28) Towns / Province Served	Towns		Province		Area (ha)
201 Irrigated / Paul Guad Ana			Total	••••••••••••••••••••••••••••••••••••••	0
29) Irrigated / Benefitted Area	1055 1005		Total	•••••••	0
Average	1985-1995 W-1				0
Averoge Season	Wet		Dry	Third	0
Average Season Irrigated Area (ha)	Wet 50.1156	· · · · · · · · · · · · · · · · · · ·	Dry: 97.1894	Third	0
Average Season Irrigated Area (ha) Benefitied Area (ha)	Wet 50.1156 42.8017		D13 97.1894 94.9774	Third	0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 50.1156 42.8017 65		Dry: 97.1894 94.9774 90	······································	· · · ·
Average Season Irrigated Area (ha) Benefitied Area (ha)	Wet 50.1156 42.8017	`ontract	D13 97.1894 94.9774	Third Length of Canal contract 5,72	· · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Mainterance	Wet 50,1156 42,8017 65 Nature of C Type 1 & 2	ion depends	D15 97.1894 94.9774 90 Number of FIA 1	Length of Canal contract 5.72	· · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 50.1156 42.8017 65 Nature of C Type 1 & 2 The expansi service area	ion depends 1	D15 97.1894 94.9774 90 Number of FIA 1	Length of Canal Contract 5,72 Upply. If water suppl	(km) under "Area Covered (ha)

 $\bigcirc$ 

j.



-----

# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

\_\_\_\_\_

Nome of System	MABACAN				
Water Resources Region	4 2J Source	e of Water Supply	Mabacan River		
Approved Water Rights	364	4) Official Oper	ning of the System	Jun 10	6, 1961
) Original Construction Cost	P 600,000.00	6) Date of Reha	bilitation	1990, 1	IOSP
) Cost of Rehabilitation		S) Current Stati	YS	Opera	ting System
) Firmed-up Service Area	390	10) Designed A	rea	1100	
1) Potential Area	1100	12) Number of	Landowners	180	
3) Number of Farmers Served	361	14) Average Fa	irm Size	2.029	
5) Number of Lots	207	16) Diversion 1	Spe	Lowo	verflow dam
7) Diversion Capacity	2.54	18) Length of 3	lain Canal	8.18	
9) Length of Laterals	9.564	20) Number of	Turnouts	33	
1) Length of Service Roads		22) Length of A	ccess Roads	18.14	
3) Drainage Density	25	24) Farmditch	Density:	13	
25) Climatic Condition (Coronas)	Type II'	26) Average Ar	unual Rainfall		
27) Main Crops	Rice, Waterineton,	Corn, Vegetables			
18) Towns / Province Served	Towns	Province		Area	(ha)
	L. Banos Bay Calenon	Laguna Laguna Laguna		25 273 92	
29) Irrigated / Benefitted Area		Total		0	
29) Irrigated / Benefitted Area Average	1985-1995	Total		0	
Average Season	Wet	Dıy	Third	<u> </u>	
Average Season Irrigoted Area (ha)	Wet 498.9975	Dry: 528.5997	Third		· · · · · · · · · · · · · · · · · · ·
Average Season Irrigoted Area (ha) Benefitted Area (ha)	Wet 493.9975 447.1043	Dry 528.5997 518.9345	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigoled Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 498.9975 447.1043 63	Dry: 528.5997 518.9345 86	· · · · · · · · · · · · · · · · · · ·	 	
Average Season Irrigoted Area (ha) Benefitted Area (ha)	Wet 493.9975 447.1043	Dry 528.5997 518.9345 86 ct Number of FIA 2 1	Third Fength of Canal (k control) 3	m) under	Area Covered (ha) 88
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 498.9975 447.1043 63 Nature of Contrac Stage 1, Type 1 &	Dry 528.5997 518.9345 86 ct Number of FIA 2 1	length of Canal (k contract 3		83
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 498,9975 447,1043 63 Nature of Contrac Stage I, Type I & The expansion dej expansion area.	Dry 528.5997 518.9345 86 ct Number of FIA 2 1	Fength of Canal (k contract 3 pply: If water supply		83

.

٢

III- 64





\_ . . \_.

I

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	MACABLING			
1) Water Resources Region	4 2) Source o	f Water Supply	Sta. Rosa River	یر بین امیرو در بور وی بر این است. ما در بار پرمو که ۲۰۵ میشود در این ۲۰ میلود. ا
3) Approved Water Rights		4) Official O	pening of the System	Friars era
5) Original Construction Cost		6) Date of Re		On-going IOSP
7) Cost of Rehabilitation	P 915,970.57	8) Current St		Operating system
9) Firmed-up Service Area	650	10) Designed	l Area	
11) Potential Area			of Landowners	211
13) Number of Farmers Served	287	14) Average		1.84
15) Number of Lots	369	16) Diversio	n Type	Run-of-river
17) Diversion Capacity	1.32	18) Length o	f Main Canal	6.55
19) Length of Laterals	3.4	20) Number	of Turnouts	13
21) Length of Service Roads	9.17	22) Length o	Access Roads	3.65
23) Drainoge Density	4.64	24) Farmdite	h Density	59
25) Climatic Condition (Coronas)	Type IV	26) Average	Annual Rainfall	1457
27) Main Crops	Rice, Garlic, Waterme	lon		
28) Towns / Province Served	Towns	Province		Area (ha)
		Total	· · · · · · · · · · · · · · · · ·	0
29) Irrigated / Benefitted Area			· · · · · · · · · · · · · · · · · · ·	<u></u>
Average	1985-1995			
Season	Wet	Dry	Third	
Irrigated Area (ha)	645	474		· · ÷
Benefitted Area (ha)	615	471		
Average Yield (cav/ha)	60	63		
30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Nature of Contract	Number of FIA	Length of Canal (km contract	) under Area Covered (ha)
31) Future Exponsion		_ <u>_</u>	(	
32) Deterioration of the System	Access road needs rep	air. The system needs i	rehab. Drainage & floo	od control needs rehabilitation
33) Other Information	+	· · · · · · · · · · · · · · · · · · ·		

Ĵ

J



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

0

\_\_\_\_

Name of System	MAG-AS	SAWANG T	<i>CUBIG</i>			
) Water Resources Region	1	2) Source of H	Vater Supply	Mag-asawa Tub	ig & Mapal	o R
) Approved Water Rights	10128		4) Official Ope	ening of the System	Nov. I	987
) Original Construction Cost			6) Date of Reh	abilitation	Jul. 19	87
) Cost of Rehabilitation			8) Current Sta	tus	Operat	ting system
)) Firmed-up Service Area	1700		10) Designed.	Area	3600	
1) Potential Area	3600		12) Number of	Landowners	1192	
3) Number of Farmers Served	1382		14) Average F	`arm Size	3	
15) Number of Lots	570		16) Diversion	Type	Intake	
7) Diversion Capacity			18) Length of	Main Canal	16.03	
19) Length of Laterals	28.24		20) Number o	f Turnouls	127	
?1) Length of Service Roads	57.79		22) Length of	Access Roads		•
23) Drainage Density	1		24) Farmdite	h Density		
25) Climatic Condition (Coronas)	Type IV		26) Average A	Innual Rainfall	4.9	_
27) Main Crops	Rice					
29) Irrigated / Benefitted Area Average Season	1985-199 Wet		Total	Third	0	· · · · · · · · · · · · · · · · · · ·
Season	1935-199 Wei 993	······································	Total Dry: 1248	Third	0	
Average Season Irrigated Area (ha)	Wet 995	······································	Dry 1248	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet	······································	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 995 926 50	is f Contract	Dry 1248 1145	length of Canal contrast	(X#) under	Area Covered (hø)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 995 926 50	· · ·	Dry 1248 1145 80 Number of FIA	length of Canal contrast	(X#) under	· · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 993 926 S0 Nature oj	f Contract	Dry 1248 1145 80 Number of FIA	Fengih of Canal contrist	(X#) under	· · · · · · · · · · · · ·



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

-----

Name of System	MALAU	NOD			
) Water Resources Region	4	2) Source of	Water Supply	Malaunod River	
) Approved Water Rights	35		1) Official Op	ening of the System	Sept. 18, 1950
i) Original Construction Cost	P 104,757.0	00	6) Date of Reli	abilitation	1990 IOSP
) Cost of Rehabilitation			8) Current Sta	dus	Operating System
)) Firmed-up Service Atea	228		10) Designed .	Area	233
(1) Potential Area	233		12) Number of	(Landowners	121
3) Number of Farmers Served	200		14) Average F	arm Size	1.1696
15) Number of Lots	195		16) Diversion	Туре	Ogee Dam
7) Diversion Capacity	1.131		18) Length of	Main Canal	5.8
19) Length of Laterals	7.2		20) Number oj	f Turnouds	27
21) Length of Service Roads	1		22) Length of	Access Roads	8.31
23) Drainage Density	0.88		24) Farmditch	i Density	13.6
25) Climatic Condition (Coronas)	Type IV		26) Average A	Innual Rainfall	
27) Main Crops	Rice, Vege,	ables, Ampi	alaya		
28) Towns / Province Served	Towns	<u>_</u>	Province		Area (ha)
	San Publo		Laguna		215
		····· -	Fotat	····· · · · · · · · · ·	0
29) Irrigated / Benefitted Area			Fotal	····· · · · · · · · · · · · · · · · ·	0
Average	1985-1995	····· · · ·		·····	<b>0</b>
Average Season	Wet	······	Drj	Third	<b>0</b>
Average Season Irrigated Area (ha)	Wet 222.2407	······	Dr5 221.9407	Third	<b>0</b>
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 222.2407 209.8837	······ · · · · · · · · · · · · · · · ·	Dr5 221.9407 217.246	Third	<b>0</b>
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 222.2407 209.8837 62		Dry 221.9407 217.246 81	· · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 222.2407 209.8837 62		Dr5 221.9407 217.246	Third Length of Canol ( contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Melmorandum of Agreement for Operation and	Wet 222.2407 209.8837 62	Contract	Dry 221.9407 217.246 81	Length of Canal (	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Melmorandum of	Wet 222.2407 209.8837 62 Nature of	Contract	Dry 221.9407 217.246 81 Number of FIA	Length of Canol ( contract	km) under Area Covered (ka)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Melmorandum of Agreement for Operation and	Wet 222.2407 209.8837 62 Nature of Type I & A	Contract ?	Dry 221.9407 217.246 81 Number of FIA	Length of Canal ( contract 13.005	km) under Area Covered (ha) 228
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 222.2407 209.8837 62 Nature of Type 1 & 2 The preser	Contract ? nt area comp	Dry 221.9407 217.246 81 Number of FIA 1	Length of Canol ( contract 13.005 at can be planted w	km) under Area Covered (ha) 228

HI- 67

 $\bigcirc$ 

Ţ



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

......

٢

.

Name of System	MATANDA	<i>,</i> <b>1</b>				
Water Resources Region	1 2)	Source of I	Vater Supply	Quintane	n River	
Approved Water Rights		·····		pening of the	System Sponi	sh Time
Original Construction Cost				chabilitation		***
) Cost of Rehabilitation			8) Current S		Opera	nting system
Firmed-up Service Area	1347.7657	•••••	10) Designe		1967.	
1) Potential Area	1967.5267	···· ·································		ofLandownei	rs 425	
3) Number of Farmers Served	761		14) Average	Farm Size	1.8	
5) Number of Lots	781	<u> </u>	16) Diversie		Diver	sion Dam (reservoir ty
7) Diversion Capacity	2951.28		18) Length	of Main Cana	1169.	?
9) Length of Laterals	24925		20) Number	of Turnouts	246	
1) Length of Service Roads	41.82		22) Length	of Access Roa	ds	
3) Drainage Density			24) Farmdi	tch Density		
25) Climatic Condition (Coronas)	Type I		26) Average	Annual Rain	fall	
27) Main Crops	Rice				••••••••••••••••••••••••••••••••••••••	
28) Towns / Province Served	Towns		Province		Area	(ha)
	Tanza		cavite		196*.	5261
						··· ·· ·· ·· ·· ·· ·· ·
29) Irrigated / Benefitted Area			Total		0	
29) Irrigated / Benefitted Area Average	1985-1995		:		0	
Average Season	Wet		Totat : Dry	Third		
Average Season Irrigated Area (hə)	Wet 762.9798	· · · · · · · · · · · ·	:	Thira		
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wel 762.9798 642.9203	· · · · · · · · · · · ·	Dry 180.06 180.06	Third		
Average Season Irrigated Area (ha) Benefilted Area (ha) Average Yield (cav/ha)	Wei 762.9798 642.9203 58.5	· · · · · · · · · · · · · · · · · · ·	Dry 180.06 180.06 69.98		··· · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wel 762.9798 642.9203	`omfract	Dry 180.06 180.06		of Canal (Am) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wei 762.9798 642.9203 58.5 Nature of C	onfract	Dry 180.06 180.06 69.98	Length	of Canal (Am) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefilted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of Agreement for Operation and	Wei 762.9798 642.9203 58.5 Nature of C	ontract	Dry 180.06 180.06 69.98	Length	of Canal (Am) under	Area Covered (ha)



----

NATIONAL WATER RESOURCES BOARD

------

-----

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

-----

Name of System	MAYOR						
1) Water Resources Region	4 2,	) Source of	Water Supply	1	Mayor River		
3) Approved Water Rights			4) Officia	l Openi	ng of the System	n May	24, 1957
5) Original Construction Cast	P 192,000.0	0	6) Date of	Rehab	ilitation	1976	-1984
7) Cast of Rehabilitation			8) Curren	t Status		Oper	ating system
9) Firmed-up Service Area	374		10) Desig	ned Are	a	400	
11) Potential Area	472		12) Numb	er of La	undowners	700	
13) Number of Farmers Served	1300		14) Avera	ge Fan	n Size	0.25	
15) Number of Lots	1500	········	16) Diver.	sion Ty	pe	Dire	rsion Dam
17) Diversion Capacity		•	18) Lengt	h of Ma	in Canal	6.89	9
19) Length of Laterals	11.803		20) Numb			29	
21) Length of Service Roads	4.853		22) Lengt	h of Ace	cess Roads		
23) Drainage Density		·	24) Farme				
25) Climatic Condition (Coronas)	Type IV	<u> </u>	26) Avera	ge Anni	ual Rainfall	912.	5
27) Main Crops	Rice				·······		
28) Towns / Province Served	Towns	· · · · · · · · · · · · · · · · · · ·	Province			Area	(ha)
	Mubitae		Laguna			120	- 6 4 6
	Fanny Siniloem		Loguna Loguna			93 154	
			Tata				
29) Irrigated / Benefitted Area			Total			0	
29) Irrigated / Benefitted Area Average	1985-1995		Total			0	
	1985-1995 Wet		Total Dry		Third	0	
Averoge	•		······		Third	0	1
Average Season	Wet		Dıy		Third	0	
Average Season Irrigated Area (ha)	Wet 202.6		Dry 226.5	· · · · · · · · · · · · · · · · · · ·	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 202.6 106.5		Dry 226.5 192.5	· · · · · · · · · · · · · · · · · · ·	Length of Const	· · · ·	Area Covered (h9)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 202.6 106.5 65 Nature of C	oniraci	Dry 226.5 192.5 70		Length of Canal contract	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 202.6 106.5 65	oniraci	Dry 226.5 192.5 70	· · · · · · · · · · · · · · · · · · ·	Length of Const	· · · ·	Atea Covered (h9)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 202.6 106.5 65 Nature of C	ontract	Dry 226.5 192.5 70		Length of Canal contract	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 202.6 106.5 65 Nature of C	ontract	Dry 226.5 192.5 70	· · · · · · · · · · · · · · · · · · ·	Length of Canal contract	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 202.6 106.5 65 Nature of C	ontract	Dry 226.5 192.5 70		Length of Canal contract	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 202.6 106.5 65 Nature of C	oniraci	Dry 226.5 192.5 70		Length of Canal contract	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 202.6 106.5 65 Nature of C Type 1	· · · · · · · · · · · · · · · · · · ·	Dry 226.5 192.5 70	l parts d	Length of Cand contract 18.707	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 202.6 106.5 65 Nature of C Type 1	· · · · · · · · · · · · · · · · · · ·	Dry 226.5 192.5 70 Number of FIA 1	l paris d	Length of Cand contract 18.707	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 202.6 106.5 65 Nature of C Type 1	· · · · · · · · · · · · · · · · · · ·	Dry 226.5 192.5 70 Number of FIA 1	l paris e	Length of Cand contract 18.707		

 $\bigcirc$ 

1

**,** 



NATIONAL WATER RESOURCES BOARD

#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

 $\bigcirc$ 

Name of System	MOLINO (CAVITI	E FRIAR LANDS)			
Water Resources Region	4 21 Source of i	Water Supply	Dona Celia River		
Approved Water Rights		4) Official Openi	ing of the System	Spanis	sh Time
Original Construction Cost		6) Date of Rehab	litation		
Cost of Rehabilitation		8) Current Statu	5	Opera	ting system
Firmed-up Service Area	208.8423	10) Designed Ar	ea	450	
I) Potential Area	450	12) Number of L	andowners	87	
3) Number of Farmers Served	101	14) Average Far	m Size	2.067	
5) Number of Lots	100	16) Diversion Ty	.pe	Diver.	sion Dam (reservoir typ
7) Diversion Capacity	0.675	18) Length of M	ain Canal	12.19	6
9) Length of Laterals	5.495	20) Number of T	urnouts	55	······································
1) Length of Service Roads	10.02	22) Length of Ac	ccess Roads	1.51	
3) Drainoge Density		24) Farmditch L		1	
5) Climatic Condition (Coronas)	Type I	26) Average Ani	nual Rainfall		
7) Main Crops	Rice			<b>.</b>	
18) Towns / Province Served	Towns	Province		Area	(ha)
		Total	· · · · · · · · · · · · · · · · · · ·	0	
29) Irrigated / Benefitted Area					
Average	1985-1995				
Season	Wet	Dry	Third		* *
Irrigoted Area (ha)	307.8174				1
Benefitted Area (ha)	263.1073		• 4		
Average Yield (cav/ha)	58.75	· · · · · · · · · · · · · · · · · · ·			
30) Farmers Irrigators Association (FIA) with Memorandum of	Nature of Contract	Number of FIA	Length of Canal (k. contract	n) under	Area Covered (hø)
Agreement for Operation and	Stage 1		, ]		
Maintenance		•			
31) Future Expansion					
			· · · · · · · · · · · · · · · · · · ·		
31) Future Expansion 32) Deterioration of the System	Canal Rehabilitation (	and Improvement	,		



#### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

. . ... . . . . . . . . .

Name of System	MONGPO	NG			
1) Water Resources Region	\$ 2)	Source of I	Fater Supply	Mongpong River	
3) Approved Water Rights			4) Official Of	pening of the System	May. 15, 1991
5) Original Construction Cost			6) Date of Re	habilitation	On-going IOSP
7) Cost of Rehabilitation			8) Current St	atus	Operating System
9) Firmed-up Service Area	882		10) Designea	Area	2400
11) Potential Area	1928		12) Number (	of Landowners	77
13) Number of Farmers Served	75		14) Average	Farm Size	9.8
15) Number of Lots	90		16) Diversion	i T)pe	Intake
17) Diversion Capacity			18) Length o	Main Canal	11.384
19) Length of Laterals	4.54		20) Number (	of Turnouts	34
21) Length of Service Roads	15.172		22) Length o	Access Roads	
23) Drainage Density			24) Farmdite	h Density	10.026
25) Climatic Condition (Coronas)	Type IV		26) Average	Annual Rainfall	
27) Main Crops	Rice				
28) Towns / Province Served	Towns		Province		Area (ha)
29) Irrigated / Benefitted Area		· · · · · ·	Total		0
29) Irrigated / Benefitted Area Average	1985-1995	··· ····	Total		0
Average Season	1985-1995 Wet	··· ···	Total Dry	Third	0
Average Season Irrigated Area (ha)		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Third	0
Average Season	B'et	· · · · · · · · · · · · · · · · · · ·	Dry	Third	0
Average Season Irrigated Area (ha)	Wet 250	· · · · · · · · · · · · · · · · · · ·	Dry 200	Third	0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 250 250	Donfract	Dry 200 200	Third Length of Canut (kn contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 250 250 75		<b>Dry</b> 200 200 70	Length of Canal (ka	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 250 250 75 Nature of Co	Donfract	<b>Dry</b> 200 200 70	Length of Canal (kn contract	n) under Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 250 250 75 Nature of Co Type 1 & 2	· · · ·	Dry 200 200 70 Number of FIA 4	Length of Canal (kn contract	n) wn.kr Area Covered (ho) 192
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 250 250 75 Nature of Co Type 1 & 2 Additional a	rea can be g	Dry 200 200 70 Number of FIA 4	Length of Canul (kn contract 4.48 al facilities can be ext	n) wn.kr Area Covered (ho) 192

111-71

-----

()



Name of System

1) Water Resources Region

3) Approved Water Rights

#### NATIONAL WATER RESOURCES BOARD

2) Source of Water Supply

PALICO

4

1300

# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Palico River

4) Official Opening of the System	1961
6) Date of Rehabilitation	1975-1986
8) Current Status	Operating System
10) Designed Area	886
12) Number of Landowners	\$05
14) Average Farm Size	1.01
16) Diversion Type	Diversion Dam
18) Length of Main Canal	8.395
20) Number of Turnouis	76

()

5) Original Construction Cost	1	6) Date of Reha	abilitation	1975	-1986	
7) Cost of Rehabilitation	P 8,648,755.00	8) Current Stat	8) Current Status		Operating System	
9) Firmed-up Service Area	886	10) Designed A	10) Designed Area		886	
11) Potential Area	886	12) Number of	12) Number of Landowners		\$05	
13) Number of Farmers Served	785	14) Average Fa	14) Average Farm Size		1.01	
15) Number of Lots	878	16) Diversion	16) Diversion Type		Diversion Dam	
17) Diversion Capacity	**************************************	18) Length of 3	18) Length of Main Canal		8.395	
19) Length of Laterals	23.065	20) Number of	20) Number of Turnouts		76	
21) Length of Service Roads	21.66	22) Length of	22) Length of Access Roads			
23) Drainage Density	16.7	24) Farmditch	24) Farmditch Density		19.09	
25) Climatic Condition (Coronas)	Type IV	26) Average A	26) Average Annual Roinfall			
27) Main Crops	Rice		· · · · · · · · · · · · · · · · · · ·			
28) Towns / Province Served	Towns	Province		Area	Area (ha)	
	Nasagbu Lion	Batangas Batangas	····	-52 134		
20 Juin to d ( Day Arris 4 Juin	······································	Total		0	· · · · · · · · · · · · · · · · · · ·	
29) Irrigaled / Benefitted Area	1085 1005	Total	·····	0	· · · · · · · · · · · · · · · · · · ·	
Average	1935-1995 Wet		Third	0		
Average Season	Wet	Dry:	Third		· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha)	Wet 788	<b>Dry</b> 780	Third		· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 783 746	Dry 780 781	Third	· · · · · · ·		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 788 746 70	Dry 760 781 75	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of	Wet 783 746	Dry 780 781	Third Length of Canal ( contract	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 788 746 70	Dry 760 781 75	Length of Canal (	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of	Wet 788 746 70	Dry 760 781 75	Length of Canal (	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 788 746 70	Dry 760 781 75	Length of Canal (	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 788 746 70	Dry 760 781 75	Length of Canal (	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 788 746 70	Dry 760 781 75	Length of Canal (	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 788 746 70	Dry 780 781 75 Number of FIA	Length of Canal (	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 783 746 70 Nature of Contract Deterioration of varios	Dry 780 781 75 Number of FIA	Length of Canal ( contract	· · · · · · · ·	Area Covered (ha)	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ho) 30) Farmers Irrigotors Association (FIA) with Memorondum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 783 746 70 Nature of Contract Deterioration of varios	Dry 780 781 75 Number of FIA	Length of Canal ( contract	· · · · · · · ·	Area Covered (ha)	



)

NATIONAL WATER RESOURCES BOARD

----

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	PLUCENA-BAYA	1N			
1) Water Resources Region	4 2) Source o	f Water Supply	Panaysayun River		
3) Approved Water Rights		4) Official Ope	ning of the System	Spanis	h Time
5) Original Construction Cast		6) Date of Rehi	zbilitation		
7) Cost of Rehabilitation		8) Current Stat	45	Operat	ling system
9) Firmed-up Service Area	342 3635	10) Designed A	lrea	510	
11) Potential Area	510	12) Number of	Landowners	142	
13) Number of Farmers Served	184	14) Average Fa	urm Size	1.8606	
15) Number of Lots	163	16) Diversion 1	lype	Divers	ion Dam
17) Diversion Capacity	0.765	18) Length of M	lain Canal	12.407	
19) Length of Laterals	12.174	20) Number of	Turnouts	63	
21) Length of Service Roads	11.64	22) Length of A	lecess Roads	2.28	
23) Drainage Density		24) Farmditch	Density	1	
25) Climatic Condition (Coronas)	Type I	26) Average Ar	unual Rainfall		
27) Main Crops	Rice, Watermelon				
28) Towns / Province Served	Towns	Province		Area (i	ha)
	Gen Trias	Cavite		306.642	9
		Total		0	
29) Irrigated / Benefitted Area					
Average	1985-1995				
Season	Wet	Dry:	Third		
Irrigated Area (ha)	410.8371	96.7 <b>421</b>		i	
Benefitted Area (ha)	343.825	96.7421			
Average Yield (cav/ha)	65	83			
30) Farmers Irrigators Association (FIA) with Memorandum of	Nature of Contract	Number of FIA	Length of Canal (kni) contract	under	Area Covered (ha)
Agreement for Operation and Maintenance	Stage I		·····		· · · · <b>·</b> · · · · · · · ·
			·		
				<u>!</u>	
31) Future Expansion					
н Н	J				
	Canal Rehabilitation o	and Improvement		<b>F</b> .t,_	
32) Deterioration of the System					
32) Deterioration of the System					
32) Deterioration of the System 		······			<u></u>





### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

()

Name of System	PULA					
) Water Resources Region	4 2)	Source of	Water Supply	Pula Rive	er	
) Approved Water Rights	9000		4) Official	Opening of the	System Dec.	15, 1960
) Original Construction Cost	P 1,594,000.	00	6) Date of	<b>Reh</b> abilitation	1975	-1985
) Cost of Rehabilitation	P 109,000,00	0.00	8) Current	Stotus	Oper	ating System
) Firmed-up Service Area	2690		10) Desigr	ied Area	3119	· · · · · · · · · · · · · · · · · · ·
1) Potential Area	3119		12) Numbe	r of Landowner	·s 1642	
B) Number of Farmers Served	1523		14) Averag	ze Farm Size	1.09	
5) Number of Lots	2476		16) Divers	ion Type	Diver	rsion Dam
17) Diversion Capacity	5		18) Lengtl	of Main Canal	14.3)	75
19) Length of Laterals	31.391	·····	20) Numbe	er of Turnouts	90	
21) Length of Service Roads	30.463		22) Lengtl	of Access Rooi	ts 22.7.	5
23) Drainage Density	13.41		24) Farma	litch Density	71.4	2
25) Climatic Condition (Coronas)	Type IV		26) Avera	ge Annual Rainj	Gil 2329	.6
27) Main Crops	Rice, Mongg	o, Waterm	elon .			
			Total		0	
29) Irrigated / Benefitted Area Average	1085,1005		Total		0	
Average	1985-1995 Bert		· · · · · · · · · · · · · · · · · · ·	Third	· · · · · · · · · · · · · · · · · · ·	
Average Season	Wet		Dry	Third	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha)	Wet 2528.48		Dry: 2394.1	Third	· · · · · · · · · · · · · · · · · · ·	· · · ·
Average Season	Wet		Dry	Third	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Areo (ha) Benefitted Area (ha)	Wet 2528.48 2586.11	`ontract	Dry 2394.1 2400.74	· · · · · · · · · · · · · · · · · · ·	of Canat (km) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FI4) with Memorandum of Agreement for Operation and	Wet 2528.48 2586.11 73 Nature of C		Dry 2394.1 2400.74 76	Length	of Canat (km) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintemance	Wet 2528.48 2586.11 73 Nature of C	of 700 ha ir	Dry 2394.1 2400.74 76 Number of FIA	E congita contras	of Canat (km) under t	Area Covered (ha)



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	SAHING			
1) Water Resources Region	4 21 Source of	Water Supply	Sahing River	
3) Approved Water Rights		4) Official Open	ning of the System	Spanish time
5) Original Construction Cost		6) Date of Reha		· ••••• ••••••••••••••••••••••••••••••
7) Cost of Rehabilitation		8) Current Stats	«S	Operating system
9) Firmed-up Service Area	264.8261	10) Designed A	rea	470.2997
11) Potential Area	470.2992	12) Number of I	Landowners	229
13) Number of Farmers Served	229	14) Average Fa	rm Size	2.05
15) Number of Lots	229	16) Diversion T	)pe	Diversion Dam
17) Diversion Capacity	705	18) Length of M	fain Canal	5.87
19) Length of Laterals	7.958	20) Number of T	Turnouts	58
21) Length of Service Roads	8.11	22) Length of A	ccess Roads	
23) Drainage Density		24) Farmditch I		
25) Climatic Condition (Coronas)	Type I	26) Average An		
27) Main Crops	Rice			<del></del>
	Naie	Cavite		4~0 299~
	•••••••••••••••••••••••••••••••••••••••		• • • • • • • • • • • • • • • • • • • •	·
10) Incircuit / Dura fund /	•••••••••••••••••••••••••••••••••••••••	Total		0
29) Irrigated / Benefitted Area	1054 1004	Total		0
Average	1985-1995	· · · ·		0
Average Season	Wet	Dıy	Third	0
Average Season Irrigated Area (ha)	Wet 284	Dry 128	Third	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 284 273	Dry 128 128	Third	0 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 284 273 61	Dry 128	Third	· 
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 284 273 61	Dry 128 128 83 Number of FIA	Third Length of Canol (km contract	·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 284 273 61 Nature of Contract	Dry 128 128 83 Number of FIA	Length of Canal (km contract	· 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and	Wet 284 273 61 Nature of Contract	Dry 128 128 83 Number of FIA	Length of Canal (km contract	· 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and Maintenance	Wet 284 273 61 Nature of Contract	Dry 128 128 83 Number of FIA	Length of Canal (km contract	· 

. .

9



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

()

Name of System	SAN CRISTOB	AL.			
) Water Resources Region	4 2) Source	e of Water Supply	San Cristobal Rive	r	
) Approved Water Rights			pening of the System	Friars era	
b) Original Construction Cost	. An a Marine All Agence and An angence, bij and dy , you' give a set paramete		chabilitation	On-going IOSP	
) Cost of Rehabilitation	P 1,101,265.93	8) Current S		Operating system	//
9) Firmed-up Service Area	413	10) Designed	d'Area		
(1) Potential Area		12) Number	of Landowners	181	
13) Number of Farmers Served	302	14) Average		1	_,
15) Number of Lots	413	16) Diversio	n Type	Run-of-river	
17) Diversion Capacity	1.31		of Main Canal	8.2	
19) Length of Laterals	0.09	20) Number	·····	18	
21) Length of Service Roads	8.8		of Access Roads	2.3	
23) Drainage Density	21.66	24) Farmdit		82	
25) Climatic Condition (Coronas)	Type IV		Annual Rainfall	1361	
27) Main Crops	Rice, Garlic, Vegito		<b>*</b>		
28) Towns / Province Served	Towns	Province		Arca (ha)	
		Total		0	
29) Irrigated / Benefities Area		Total		0	
29) Irrigated / Benefitted Area Average	1985-1995	Total		0	
Average Season	1985-1995 Wet	Total Dry	third	0	
Average Season Irrigated Area (ha)		,	Third	<i>0</i>	
Average Season	Wet	Dry	Third	<b>0</b>	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha)	Wet 369 354 71	Dry 367 367 75		· · · · · · · · · · · · · · · · · · ·	- · · -
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 369 354	Dry 367 367 75	Length of Canul (km contract	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	Wet 369 354 71	Dry 367 367 75	Length of Canul (km contract	) uniter Area Covered (h	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wei 369 354 71 Nature of Contrac	Dry 367 367 75	Length of Canul (km contrast	) uniter Area Covered (h	



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	SAN JUAN				
1) Water Resources Region	4 2) Sou	rce of Water Supply	San Ju	an River	
3) Approved Water Rights		1) 0.[]	icial Opening of t	he System - Fria	ers era
5) Original Construction Cost		6) Da	te of Rehabilitation	n On-g	going IOSP
7) Cost of Rehabilitation	······································	8) Cu	rrent Status		rating system
9) Firmed-up Service Area	552	10) D	esigned Area		
11) Potential Area		12) N	umber of Landown	iers 252	
13) Number of Farmers Served	338	14) A	erage Farm Size	1.11	······································
15) Number of Lots	-196	16) D	iversion Type	Riop	-of the-river
17) Diversion Capacity	3.31	18) Le	ength of Main Can	at 7.65	
19) Length of Laterals	4.22	20) N	umber of Turnouts	12	
21) Length of Service Roads	3.8	22/1.0	ength of Access Ro	ads	
23) Drainage Density	20.68		armditch Density	55	
25) Climatic Condition (Coronas)	Type IV	26) A	eroge Annual Rai	infall 189:	\$ \$
27) Main Crops	Rice, Garlic, Veg	itables		·	······
28) Towns / Province Served	Towns	Provi	nce	Arei	u (ha)
		:			
29) Irrigated / Benefitted Area		Total		0	
29) Irrigated / Benefitted Area Average	1985-1995	Total	···-· ···· · · ·	0	
	1985-1995 Wet	Total Dry	Thir		
Average			Thir		· · · · · · · · · · · · · · · · · · ·
Average Season	Wet	Dŋ	Thir		· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha)	Wet 47]	Dry 491	Thir		· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha)	H'et 471 399	Dry 491 433 81	FJA Lengt contra	d h of Canal (Are) under	Area Cosered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 471 399 73	Dry 491 433 81 htt Number of 1	FJA Lengt contra	d h of Canal (Are) under	Area Cosered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 471 399 73	Dry 491 433 81 htt Number of 1	FJA Lengt contra	d h of Canal (Are) under	Area Cosered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 471 399 73	Dry 491 433 81 htt Number of 1	FJA Lengt contra	d h of Canal (Are) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 47] 399 73 Nature of Contra	Dry 491 433 81 htt Number of 1	FJA Lengt contra	d h of Canal (Are) under	Area Cosered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 47] 399 73 Nature of Contra	Dry 191 183 81 act Number of 1	FJA Lengt contra	d h of Canal (Are) under	Area Covered (ha)

III- 77

\_\_\_\_\_

٢

Ţ



# NATIONAL WATER RESOURCES BOARD

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

- X - 1	
4	Ł
5	2
- C	-I
S	۶

Name of System	SANTA MARIA				
) Water Resources Region	4 2) Source of	Water Supply	Sta. Maria & Mat	a Rivers	
) Approved Water Rights	2100	4) Official Oper	ning of the System	Oct. 2	, 1961
) Original Construction Cost	P 981.000.00	6) Date of Reha	bilitation	1976-	1984, 1988-present
) Cost of Rehabilitation		8) Current State	75	Opera	iting system
) Firmed-up Service Area	801	10) Designed A	 rea	2550	
1) Potential Area	945	12) Number of 1	l andowners	500	
3) Number of Farmers Served	1000	14) Average Fa	irm Size	1.74	
5) Number of Lots	1605	16) Diversion 1	Spe	Diver	sion Dam
7) Diversion Capacity		18) Length of S	fain Canal	13.35	37
9) Length of Laterals	18.168	20) Number of	Turnouts	46	
11) Length of Service Roads	49.926	22) Length of A	Iccess Roads		
13) Drainage Density		24) Farmditch	Density		
25) Climatic Condition (Coronas)	Type IV	26) Average Ar	inual Rainfall	916.1	15
27) Main Crops	Rice				
28) Towns / Province Served	Towns	Province		Area	(ha)
	Sta Maria Mahitac	Laguna Laguna		693 103	
		Total		0	· · · · · · · · · · · · · · · · · · ·
29) Irrigated / Benefuted Area		Total		0	
29) Irrigated / Benefitted Area Average	1985-1995	Total		0	
	1985-1995 Wet	Total	Third	0	· · · · · · · · · · · · · · · · · · ·
Average	· ·	· · · · · · · · · · · · · · · · · · ·	Third	0	
Average Season	Wet	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 727.4	Dry 756	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 727.4 496.7	Dry 756 739.4	lengih of Canal (kr		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 727.4 496.7 65 Nature of Contract	Dry 756 739.4 70			
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 727.4 496.7 65	Dry 756 739.4 70 Number of FIA	length of Canal (kr contract		Area Covered (ho) 801
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 727.4 496.7 65 Nature of Contract	Dry 756 739.4 70 Number of FIA	length of Canal (kr contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 727.4 496.7 65 Nature of Contract Type 1	Dry 756 739.4 70 Number of FIA 1 isly installed pump irriga	Length of Canal (Ar contract 31:555	n) under	801
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 727.4 496.7 65 Nature of Contract Type 1 Restoration of previou Project -Irrigation Co	Dry 756 739.4 70 Number of FIA 1 isly installed pump irriga	Length of Canal (kr contract 31.555 ation system constru-	n) under	801



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	STA. C.	RUZ			
) Water Resources Region	1	2) Source of	f Water Supply	Sta. Cruz (Lapad)	River
I) Approved Water Rights	5000		4) Official C	pening of the System	Aug. 1, 1958
5) Original Construction Cost	P 7,520,0	00.00	6) Date of R	ehabilitation	Sept. 1976 - Mar. 1985
7) Cost of Rehabilitation	P 63,171,	500.00	8) Current S	itatus	Operating system
9) Firmed-up Service Area	3100		10) Designe	d Area	4133
11) Potential Area	4133		12) Number	of Landowners	1826
13) Number of Farmers Served	1753		14) Average	Farm Size	1.1
15) Number of Lois	2613		16) Diversie	in Type	Ogee Type Dam
17) Diversion Capacity	4		181 Length	of Main Canal	9.4
19) Length of Laterals	67.501		20) Number	of Turnouts	79
21) Length of Service Roads	61.655		22) Length	of Access Roads	10
23) Drainage Density	22	*	24) Farmdi		29
25) Climatic Condition (Coronas)	Type IV		26) Average	Annuol Rainfoll	1396.12
27) Main Crops	Rice, Wa	ermelon, Cor	n		
28) Towns / Province Served	Towns		Province		Area (ho)
	Fictoria Lilor Nogcarlan Pila	-	Laguna Laguna Laguna		150 52 278
	Sta. Cruz		Loguna Loguna		1192 1318
29) Irricated / Benefitted Area	1 -		-		
29) Irrigated / Benefitted Area Average	Sła. Cruz		Loguna		1318
Average	Sia Cruz 1985-199	5	Loguns Total	Third	1318
Average Season	Sia Cruz 1985-199 Wet		Loguns Total Dry	Third	1318
Average Season Irrigated Area (ha)	Sto Cruz 1985-195 Wet 2635.283	٤	Loguns Total Dry 2397.1042	Third	1318
Average Season Irrigated Area (ha) Benefitted Area (ha)	Sia Cruz 1985-199 Wet 2635.283 2292.143	٤	Logiona Total Dry 2397.1042 2332.9064	Third	1318
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Sia Cruz 1985-195 Wet 2635.283 2292.143 70	٤	Loguns Total Dry 2397.1042	Third Length of Canal (k. control 1	1318 0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Sia Cruz 1985-195 Wet 2635,283 2292,143 70 Nature o	6 8	Total Total Dry 2397.1042 2332.9064 95	Length of Canal (k.	1318 0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Sia Cruz 1985-195 Wet 2635,283 2292,143 70 Nature o	6 8 f Contract	Total Dry 2397.1042 2332.9064 95 Number of FIA	Length of Canal (h. control 1	1318 0 ni) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Sto. Cruz 1985-195 Wet 2635.283 2292.143 70 Nature of Stage 1, 1	6 8 1 Contract 3 ype 1 & 2 1 sion depende	Loguns Total Dry 2397.1042 2332.9064 95 Number of FIA 2	Length of Cand (8, contront 13.2	1318 0 ni) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Sia Cruz 1985-195 Wet 2635.283 2292.143 70 Nature of Stage 1, 1 The expansion	6 8 [Contract Sype 1 & 2 nsion depend: 1 Grea.	Loguns Total Dry 2397.1042 2332.9064 95 Number of FIA 2	Length of Canal (k. control 13.2 upply: If water supply	1318 0 ni) under Area Covered (ha) 589.8339

111-79

()



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

٢

Name of System	TRES-CRUSES			
1) Water Resources Region	4 2) Source of	Water Supply	Timlan River	
B) Approved Water Rights		4) Official Openi	ing of the System	Spanish time
5) Original Construction Cost		6) Date of Rehab		
7) Cost of Rehabilitation		8) Current Status	5	Operating system
9) Firmed-up Service Area	633.6084	10) Designed Are	•·· <del></del> •··· <del></del>	827.6687
11) Potential Area	827.6687	12) Number of L	andowners	162
13) Number of Farmers Served	233	14) Average Fan		1.8
15) Number of Lots	251	16) Diversion Ty		Diversion Dam (reservoir by
17) Diversion Capacity	1241.5	18) Length of Ma		12830
19) Length of Laterals	10118	20) Number of T		103.45
21) Length of Service Roads	18.83	22) Length of Ac		····
23) Drainage Density	†	24) Farmditch D	· ····	
25) Climatic Condition (Coronas)	Type I	26) Average Ann		
27) Main Crops	Rice			
28) Towns / Province Served	Towns	Province		Area (ha)
	Tanza	Cavite	· · · · · · · · · · · · · · · · · · ·	82-665-
		Total		<u>0</u>
-	1005 1006	Total		0
Average	1935-1995 11/2	··· · · · · · ·	· · · ·	<b>0</b>
Average Season	H'et	Dış	, Third	<u>o</u>
Average Season Irrigated Area (ha)	Wet 324	Dry 257	· · · ·	0
Average Season Irrigated Area (ha) Benefitted Area (ha)	We1 324 263	Dry 257 257	· · · ·	<u>0</u>
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wei 324 265 61	Dry 257 257 83	Third	· · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of	We1 324 263	Dry 257 257	· · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wei 324 265 61	Dry 257 257 83	Third Length of Canal (km) w, contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitied Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitied Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 324 26S 61 Nature of Contract	Dry 257 257 83 Number of FIA	Third Length of Canal (km) wr contract	nder Area Covered (ha)

III- 80





### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	DAET-	TALISAY R	15			· • · • · · · · · · · · · · · · · · · ·	
1) Water Resources Region	5	2) Source of	Water Supply		Daet River and Ta	lisay Ri	152
3) Approved Water Rights	7.5 cu m.	lsec.	4) 0//	cial Open	ing of the System	- t	30, 1957
5) Original Construction Cost	P 4.200,0	00.00		e of Rehal		Inne	25, 1979; February 5, 19
7) Cost of Rehabilitation	P 21,516	,000.00; P 19,7	65,20 8) Cia	rent Statu	5		ating System
9) Firmed-up Service Area	2603		10) D.	signed Ar	ea	3723	
11) Potential Area	3484.53		12) M	mber of I	andowners	2973	
13) Number of Farmers Served	3310			erage Far		0.88	
15) Number of Lots	4018			version Tj		Dive	rsion Dam (Ozee)
17) Diversion Capacity	6.0 cms.		18) Le	ngth of M	ain Canal	21	
19) Length of Laterals	55.45		20) Ni	mber of I	"urnouts	186	
21) Length of Service Roads	43.64				vess Roads	3.9	······
23) Drainage Density	15			rmditch L		65	
25) Climatic Condition (Coronas)	Type II		26) As	erage Ani	wal Roinfall	3550	- <u></u>
27) Main Crops	Rice						
28) Towns / Province Served	Towns		Provid			Area	ı (ha)
	Daer Basud Mercedes Talisay Vinzony		Camar Camar Camar	nes Norte hes Norte hes Norte hes Norte hes Norte		1251 ~5.46 18.45 ~16.8 547.6	2" 65 14
29) Irrigated / Benefitted Area			10141			<u> </u>	
Average	1985-199	5					
Season	Wet		Dry		Third		
Irrigated Area (ha)	2291		2223	······-	-		-
Benefitted Area (ha)	2281	and the second second	2165	• •			
Average Yield (cav/ha)	73		73		1		1 E
30) Farmers Irrigators Association	<u> </u>	Contract	<u>}</u>		t and all free all the		
(FIA) with Memorandum of Agreement for Operation and Maintenance	Type I &	f Contract H	Number of 1 9	**** • • • •	Length of Canal (km contract 63.001	• • • • • • • • • •	Area Covered (ha) 2278
31) Future Expansion					ns area. Sec. Escue ator's Association.	lero pro	mised a financial
32) Deterioration of the System		ssing needs also					structures like siphons & service roads is very
33) Other Information	portion o	ojects at the up f the Alawihao as of the system	Dam. There's	a need of	10 units 125 ccYam	give silte aha moi	ation at the upstream torcycle for easy access







33) Other Information

### NATIONAL WATER RESOURCES BOARD

# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

 $\bigcirc$ 

Name of System	LIBMANAN / CAI	BUSAO	PIS			
1) Water Resources Region	5 2j Source of	f Water Su	ppb.	Libmanan River		·····
8) Approved Water Rights		4	l) Official Oper	ning of the System	June 2	28, 1981
5) Original Construction Cost	P 87,600,000.00	e	6) Date of Reha	bilitation	1989-	1996
7) Cost of Rehabilitation	P 6,260,800.00	E	8) Current Stati	143	Opera	itional
9) Firmed-up Service Area	2195	1	10) Designed A	rea	3427	
11) Potential Area	3873	1	2) Number of	Landowners	1688	
13) Number of Farmers Served	1863		14) Average Fa	urm Size	1.3	
15) Number of Lots	2841		16) Diversion I	fype	pump	
17) Diversion Copacity	6.05 cmis		18) Length of M	fain Canal	11.17	
19) Length of Laterals	35.6		20) Number of	Turnouts	119	
21) Length of Service Roads	40.61		22) Length of A	Iccess Roads		
23) Drainage Density	23		24) Farmditch	Densig:	27	
25) Climatic Condition (Coronas)	July-Dec roiny; Jan -	-June-d	26) Average Ar	nnual Rainfall		
27) Main Crops	Rice			<u></u>		
28) Towns / Province Served	Towns		Province		Area	(ha)
			Total		0	
29) Irrigated / Benefitted Area						
Average	1985-1995	:				
Season	Wet	Dry		Third		
Irrigated Area (ha)	1428.8697	1630.	1417			• : 4
Benefitted Area (ha)	1050.4347	1360.	0769	2		
Average Yield (cav/ho)	85.7	87				
30) Farmers Irrigators Association (FIA) with Memorandum of	Nature of Contract	-	ber of FIA	Length of Canul (kn contract	1) under	Area Covered (ha)
Agreement for Operation and Maintenance	Type I & 11	11		39.659		2195
31) Future Expansion	Construction of addit Irrigated area partice				d by the	system can expand the
32) Deterioration of the System	There is a need for th drainage networks.	he complet	e rehabilitation	a of the system's facil	itie <b>s p</b> ar	ticularly the canal and



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

. . . . . . . . . . . . .

. . .

Name of System	MAHAB	4-NASIS	I-OGSONG-HIB	IGA	
I) Water Resources Region	5	?) Source of	Water Supply	MahabaR, Nasis	i R.Ogsong R.Hibiga R
3) Approved Water Rights	5,154 lps		4) Official O	pening of the System	
5) Original Construction Cost	P 11,576.20	\$2.00		ehabilitation	1996-1997
7) Cost of Rehabilitation	P 16,350,00	0.00	8) Current Si	————— talus	Operating System
9) Firmed-up Service Area	1911		10) Designed	d Area	1947
11) Potential Area	2000			of Landowners	1431
13) Number of Farmers Served	2937	•	14) Average	Farm Size	0.89
15) Number of Lots	3101	******	16) Diversio	n Type	Gravity Dam
17) Diversion Capacity	5.0 cms			f Main Canal	36.745
19) Length of Laterals	33.455		20) Number	· · · · · · · · · · · · · · · · · · ·	72
21) Length of Service Roads	37.95			f Access Roads	
23) Drainage Density	4.93	<u> </u>	24) Farmdite	······	29.97
25) Climatic Condition (Coronas)	1			Annual Rainfall	4345
27) Main Crops	Rice				
28) Towns / Province Served	Towns		Province		Area (ha)
	Ligaa		Albay	* • • • • • • • • • • • • •	\$90
	Ous		Albay		63~ 41~
	Polangui	- ··· · -	Alba <b>y</b>		
291 Irricated / Benefitted Area	Polingui		Alboy Total		0
Average	1985-1995	· ··· · ·	Fotal	Third	
Average Season	1985-1995 Wet		Total Dry:	Third	
Average Season Irrigated Area (ha)	1985-1995 Wet 1849	· · · · · · · · · · · · · · · · · · ·	Total Dry 1819	Third	
Average Season Irrigated Area (ha) Benefitted Area (ha)	1985-1995 Wet 1849 1834	- · · · · · · · · · · · · · · · · · · ·	Total Dry 1819 1504	Third	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	1985-1995 Wet 1849	Contract	Total Dry 1819	Longth of Canul 4	0 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	1985-1995 Wet 1849 1834 72 Nature of 0	Contract	Total Dry 1819 1804 79	Length of Canal 4 contract	0 <sup>(m] un:kr</sup> Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	1985-1995 Wet 1849 1834 72	Contract	Total Dry 1819 1804 79	Longth of Canul 4	0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	1985-1995 Wet 1849 1834 72 Nature of 0	Contract	Total Dry 1819 1804 79	Length of Canal 4 contract	0 <sup>(m] un:kr</sup> Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	1985-1995 Wet 1849 1834 72 Nature of G Stage 111	··· ··	Total Dry 1819 1804 79 Number of FIA 6	Longth of Canul 4 contract 70.2	0 <sup>(m)</sup> uniker Area Covered (ha) 1917
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	1985-1995 Wet 1849 1834 72 Nature of 0 Stage 111 Existing br	··· ··	Total Dry 1819 1804 79 Number of FIA 6	Longth of Canul 4 contract 70.2	0 <sup>(m] un:kr</sup> Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	1985-1995 Wet 1849 1834 72 Nature of C Stage III Existing br of the river	ush dams wi type diversi	Total Dry 1819 1804 79 Number of FIA 6 thin the system are pr on works.	Length of Canul 4 contract 70.2 roposed into permane	0 (m) unikr Area Covered (ha) 1947 nt concrete checkgates and/or r
Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	1985-1995 Wet 1849 1834 72 Nature of C Stage III Existing br of the river	ush dams wi type diversi	Total Dry 1819 1804 79 Number of FIA 6	Length of Canul 4 contract 70.2 roposed into permane	0 (m) unikr Area Covered (ha) 1947 nt concrete checkgates and/or r
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	1985-1995 Wet 1849 1834 72 Nature of C Stage III Existing br of the river	ush dams wi type diversi	Total Dry 1819 1804 79 Number of FIA 6 thin the system are pr on works.	Length of Canul 4 contract 70.2 roposed into permane	0 (m) unikr Area Covered (ha) 1947 nt concrete checkgates and/or r

-------

.



ī.

# NATIONAL WATER RESOURCES BOARD

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

----

()

Name of System	Dipolo IS				
) Water Resources Region	9 2) Source of	Water Supply	Timonan, Duming	ag. Guite	ran Dipoto R.
) Approved Water Rights	3,000 lps	4) Official Of	pening of the System	June	1997
) Original Construction Cost	P 1,510,000.00	6) Date of Re	habilitation	1956-	1937
) Cost of Rehabilitation	P 5,863.000.00	8) Current St	atus	Opera	ating System
) Firmed-up Service Area	1600	10) Designed	l'Area	1950	
1) Potential Area	1980	12) Number o	of Landowners	199	
13) Number of Farmers Served	447	14) Average	Farm Size	1.86	
15) Number of Lots	113	16) Diversion		Diver	sion Dam
17) Diversion Copacity	3.6016 cms.	18) Length o	f Main Canal	23.24	r
19) Length of Laterals	19.32	20) Number		46	
<ol> <li>Length of Service Roads</li> </ol>	19.41		f Access Roads		
23) Drainage Density	17	24) Farmdite		34	
25) Climatic Condition (Coronas)	Type 3		Annual Rainfall	1244	
27) Main Crops	Rice		·····		
28) Towns / Province Served	Towns	Province	······································	Area	(ha)
	Dumingag	Zambouriga da	4 Sur	1600	·····
		Total		0	
29) Irrigated / Benefitted Area		Total		0	
29) Irrigated / Benefitted Area Average	1985-1995	Total	 	0	 
-	1985-1995 Wet	Total Dry	Third	0	 
Average		· · ·	Third	0	
Average Season	Wet	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 712	Dry 631	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 712 629	Dry 631 537	Third Length of Canal (k contract		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 712 629 86 Nature of Contract	Dry 631 537 85	tengik of Canat (k	mj under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (F14) with Memorandum of	Wet 712 629 86	Dry 631 537 85 Number of FIA	tingib of Canat (k contract	mj under	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (F1A) with Memorandum of Agreement for Operation and	Wet 712 629 86 Nature of Contract	Dry 631 537 85 Number of FIA	tingib of Canat (k contract	mj under	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (F1A) with Memorandum of Agreement for Operation and	Wet 712 629 86 Nature of Contract Stage 1 The 750 ha. irrigated	Dry 631 537 85 Number of FIA	Exergià of Canat (k contract 17.91 110 1,610 ha under the	m) under	150 proposed by WRDP.
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 712 629 86 Nature of Contract Stage 1 The 750 ha. irrigated There is a plan of the The system has 4 Dive	Dry 631 537 85 Number of FIA 3 area will be increased	Longib of Canal (k contract 17.94 I to 1,640 ha under the nall impounding dam f o the problem of siliati	m) under e scheme j o irrigate	150 proposed by WRDP. add'1. area of 2,000 f



()

NATIONAL WATER RESOURCES BOARD

# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	Labangan RIS				
1) Water Resources Region	9 2) Source oj	f Water Supply	Libangan River, P	ulacan, Le	antian Tawaga
3) Approved Water Rights	10.00 cms	4) Official Openia	ig of the System	Novem	ber 1959
5) Original Construction Cost	P 1,950,000.00	6) Date of Rehabi	litation	Januar	3 1979-1996
7) Cost of Rehabilitation	P 25,878,720.00	8) Current Status		Operat	ting System
9) Firmed-up Service Area	3195	10) Designed Are	a	3000	
11) Potential Area	4000	12) Number of La	ndowners	916	- <b>3</b>
13) Number of Farmers Served	926	14) Average Fari	n Size	1.7	
15) Number of Lots	1225	16) Diversion Typ	~	Dam a	nd Intake
17) Diversion Capacity	5.20 cms / 4.20 cms	18) Length of Ma	in Canal	11.286	······
19) Length of Laterals	54.5	20) Number of Tu	rnouis	84	
21) Length of Service Roads	52.33	22) Length of Acc	ess Roads	16.245	
23) Drainage Density	18.39	24) Farmditch De	nsif).	22.12	
25) Climatic Condition (Coronas)	Type III	26) Average Anni	ial Rainfall	1164	
27) Main Crops	Rice		• <u> </u>	- <b>f</b>	
28) Towns / Province Served	Towns	Province		Area (i	ha)
	Labaragon Pagoshon City	Zumboonga del Sur		28	
		Total	· ··- ··- ·	0	· · · · · -
29) Irrigated / Benefitted Area		Total		0	
29) Irrigoted / Benefitted Area Average	1935-1995	Total		0	
-	1985-1995 Wet	Total Dry	Third	0	
Average			Third	0	
Average Season	Wet	Dry	Third	0	
Average Season Irrigated Area (ha)	Wet 2465	Dry 1863	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 2465 2146	Dry 1863 1593	length of Canal (km)		Area Covered (
Average Season Irrigated Area (ha) Benefilted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 2465 2146 67	Dry 1863 1593 69	· · · · · · · · · · · · · · · · · · ·		Area Covered (
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 2465 2146 67	Dry 1863 1593 69	length of Canal (km)		Area Covered (
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 2465 2146 67	Dry 1863 1593 69	length of Canal (km)		Area Covered
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 2465 2146 67 Nature of Contract	Dry 1863 1593 69 Number of FIA	Length of Canal (km) contract	under	·····
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 2465 2146 67 Nature of Contract	Dry 1863 1593 69	Length of Canal (km) contract	under	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 2465 2146 67 Nature of Contract	Dry 1863 1593 69 Number of FIA	Length of Canal (km) contract	under	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 2465 2146 67 Nature of Contract Non-commandable are Heavy siltation at intai	Dry 1863 1593 69 Number of FIA vas can be irrigated when the te, structure and canal sect	Length of Canal (km) contract nese areas be conv ion. Scouring of th	Punder erted into	pump irrigation
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 2465 2146 67 Nature of Contract Non-commandable are Heavy siltation at intai	Dry 1863 1593 69 Number of FIA vas can be irrigated when th	Length of Canal (km) contract nese areas be conv ion. Scouring of th	Punder erted into	pump irrigation
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 2465 2146 67 Nature of Contract Non-commandable are Non-commandable are Neavy siltation at intra road and canal section	Dry 1863 1593 69 Number of FIA as can be irrigated when the se, structure and canal section Scouring of canal section	Length of Canal (km) contract nese areas be conv ion. Scouring of th specially in the sa	eried into he river ba undy place	pump irrigatio nk near the lo 15.
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 2465 2146 67 Nature of Contract Non-commandable are Non-commandable are Heavy siltation at intai road and canal section The Labangan Dam is	Dry 1863 1593 69 Number of FIA vas can be irrigated when the te, structure and canal sect	Length of Canal (km) contract hese areas be conv ion. Scouring of th specially in the sa	eried into he river ba undy place es that the	pump irrigatio mk near the low s. barrel is full c



Ţ



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

0

Name of System	Salug RIS				
) Water Resources Region	9 2) Source of	Water Supply	Salug Daku, Salug	Diut & C	Jsugan River
) Approved Water Rights	11.141 lps	1) Official Openi	ng of the System	April I	970
) Original Construction Cost	P 2,500,000.00	6) Date of Rehab	ilitation	1979-1	1997
) Cost of Rehabilitation	P 65, 426, 381.00	8) Current Status		Opera	ting System
) Firmed-up Service Area	7224	10) Designed Are	ia in the second se	7300	
1) Potential Area	7800	12) Number of L	andowners	2281	
3) Number of Farmers Served	4\$08	14) Average Far.	m Size	1.45	
(5) Number of Lots	930	16) Diversion Ty	pe	2.Dive	ersion Dam, 1-Intake T
7) Diversion Capacity	21.8 cms.	18) Length of Me	nin Canal	29.780	5
9) Length of Laterals	106.262	20) Number of T	urnouts	305	
21) Length of Service Roads	79 214	22) Length of Ac	cess Roads	11.12	7
23) Drainage Density	11.7	24) Farmditch D	)ensity	53.6	······
25) Climatic Condition (Coronas)	Туре 3	26) Average Ani	wal Rainfall	1400.	1
27) Main Crops	Rice			-	
28) Towns / Province Served	Towns	Province		Area (	(ha)
	Tambulig Ramon Mazsaysay Bonjfacio	Zamboanga del Su. Zamboanga del Su. Misamis Occidente	r	1608 125 800	
		Tota!		0	
29) Irrigoted / Benefitted Area		Total		0	
Average	1935-1995	ŗ		0	
Average Scason	Wet	Длу.	Third	0	
Average Scason Irrigated Area (ha)	Wet 2883	Dry 5510	Third	0	
Average Scason Irrigated Area (ha) Benefitted Area (ha)	Wet 2883 5298	Dry 5510 5262	Third	0	
Average Scason Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 2883 5298 83	Dry 5510 5262 90	Third	0	
Average Scason Irrigated Area (ha) Benefitted Area (ha)	Wet 2883 5298	Dry 5510 5262	Third Length of Canul (An contract		Area Covered (ha)
Average Scason Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 2883 5298 83	Dry 5510 5262 90	Length of Canal (Am		Area Covered (ha) 587
Average Scason Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 2883 5298 83 Nature of Contract	Dry 5510 5262 90 Number of FIA	Length of Canal (An contract		
Average Scason Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and	Wet 2883 5298 83 Nature of Contract	Dry 5510 5262 90 Number of FIA	Length of Canal (An contract		
Average Scason Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and	Wet 2883 5298 83 Nature of Contract Stage 1	Dry 5510 5262 90 Number of FIA	Length of Canal (An contract 10.955	ı) undar	587
Average Scason Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 2883 5298 83 Nature of Contract Stage 1 Construction of Salug	Dry 5510 5262 90 Number of FIA 3	Length of Canal (An contract 10,955 I (Multi-purpose De	yunder 1m) to ire	587 igate 22,000 ha

III- 86



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

\_\_\_\_\_

	Sibuguey Valley	Irrigation System		
1) Water Resources Region	9 2) Source o	of Water Supply	Sibuguey River &	Dipili River
3) Approved Water Rights	3,500 lps	4) Official C	pening of the System	January 1. 1980
5) Original Construction Cost	P 35,112,407.00	6) Date of R	ehaðilitation	1938-1997
7) Cost of Rehabilitation	P 40,000,000.00	S) Current S	liotus	Operational System
9) Firmed-up Service Area	3143	10) Designe	d Area	3500
11) Potential Area	3500	12) Number	of Landowners	1794
13) Number of Farmers Served	2088	14) Average	Farin Size	3.23
15) Number of Lots	971	16) Diversio	n Type	Diversion Dam
17) Diversion Capacity	3.75 cms.	18) Length o	Main Canal	13.46
19) Length of Laterals	39.97	20) Number	of Turnouts	58
21) Length of Service Roads	51.6	22) Length o	Access Roads	4.3
23) Drainage Density	38.34	24) Farmdit	ch Density	77,4
25) Climatic Condition (Coronas)	Type 3		Annual Rainfoll	978
27) Main Crops	Rice			
28) Towns / Province Served	Towns	Province		Area (ha)
	Bayog Bung Diplahan Siay	Zambaanga d Zambaanga d Zambaanga d Zambaanga d	el Sur el Sur	610 358 134~ 828
		···· ··· ···		·····
		Total		0
		Total		0
Average	1985-1995			0
Average Season	Wet	Dry	Third	0
Average Season Irrigated Area (ha)	Wet 2052	Dry 1919	Third	0 
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 2052 1718	Dry 1919 1652	Third	0 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 2052 1718 73	Dry 1919 1652 72	· · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Season Irrigated Area (ha) Benefitted Area (ha)	Wet 2052 1718	Dry 1919 1652 72	Third Length of Canal (km contract 15.75	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 2052 1718 73 Nature of Contract	Dry 1919 1652 72 Number of FIA 2	Length of Canal (Km contract 15.75	) under Aleg Coveled (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 2052 1718 73 Nature of Contract Stage 1 and 11	Dry 1919 1652 22 Number of FIA 2 200 ha. Balangao - 1,00	Length of Canal (Km contract 15.75	) under Aleg Coveled (ha)

111-87



Name of System

1) Water Resources Region

3) Approved Water Rights

33) Other Information

#### NATIONAL WATER RESOURCES BOARD

Manupali RIS

10

8,000 lps

2) Source of Water Supply

#### SALIENT FEATURES OF NATIONAL **IRRIGATION SYSTEM**

July 1936

Manupati River

4) Official Opening of the System

	P 199,926,883.00	6) Date of Reh	abilitation	1992-	1995
) Original Construction Cost					
) Cost of Rehabilitation	P 5,468,509.00	8) Current Star	145	Opera	uting System
) Firmod-up Service Area	4395	10) Designed.	lrea	5700	
1) Potential Area	5700	12) Number of	Landowners	945	
3) Number of Farmers Served	682	14) Average F	arm Size	1.5	
5) Number of Lots	384	16) Diversion	Type	Diver	sion Dam
7) Diversion Capacity	10.73 cms	18) Length of l	Main Canal	26.79	2
9) Length of Laterals	54.478	20) Number of	Turnouts	158	
1) Length of Service Roads	81.27	22) Length of .	Iccess Roads	26.58	}
(3) Drainage Density	47.43	24) Farmditch	Density	85.17	,
25) Climatic Condition (Coronas)	Type III	26) Average A	nnual Rainfall	2012	4
?7) Main Crops	Rice, Corn, Sugarcane,	, Durian, Banana, Toma	ito	• • • • •	
28) Towns / Province Served	Towns	Province		Area	(ha)
	Valencia Lantapan Malaybalay	Bukidnon Bukidnon Bukidnon		2663 1054 678	
29) Irrigated / Benefitted Area		Total	· · · · · · · · · · · · · · · · · · ·	0	
29) Irrigated / Benefitted Area Average	1985-1995	Total		0	
	1985-1995 Wei		Third	0	
Average Season		Dry	Third	0	
Average Season Irrigated Area (ha)	B'et	Dry 1119	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1133 978	Dry 1119 932	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	B'et 1133	Dry 1119	Third Iength of Canal cuntract	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1133 978 82	Dry 1119 932 78	Langth of Canal	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of	Wet 1133 978 82 Nature of Contract	Dry 1119 932 78 Number of FIA	Izngth of Canal cuntrast	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha) 4.395
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1133 978 82 Nature of Contract Type 1	Dry 1119 932 78 Number of FIA	Izngth of Canal cuntrast	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

Declaring Manupali as "Critical Watershed" with Presidential Decree No. 127 dated June 1987.



# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

. . . . . . .

-----

Name of System	Muleta R	IS				
1) Water Resources Region	10	2) Source of II	ater Supply	Muleta and Kulam	an Rive	·····
3) Approved Water Rights	10,000 lps (	6.85 & 3.15)	4) Official Op	ening of the System	Janu	ary 1990
5) Original Construction Cost	P 212,491,8	505.00	6) Date of Re	habilitation	1	
7) Cost of Rehabilitation			8) Current St	stus	Oper	ating System
9) Firmed-up Service Area	4063		10) Designed	Area	5700	}
11) Potential Area	6000		12) Number o	f Landonners	802	
13) Number of Farmers Served	1040		14) Average 1	Farm Size	2.03	······
15) Number of Lots	777		16) Diversion	Туре	Dive	rsion Dam
17) Diversion Capacity	6.85, 3.151	ps	18) Length of	Main Canal	52.1	25
19) Length of Laterals	38.493		20) Number o	f Turnouts	160	
21) Length of Service Roads	91.518		22) Length of	Access Roads	3.2	
23) Drainage Density	12.91		24) Farmdite	h Density	19.3	7
25) Climatic Condition (Coronas)	Moderate			Inmual Rainfall	695	25
27) Main Crops	Rice, Corn,	Sugarcane				
28) Towns / Province Served	Towns		Province		Area	(ha)
	Maramag	• • • • • • • • • • • •	Bukishon		1412	93
			Tatal			
79) Invioused / Reported A town		· <u></u>	Total	· · · · · · · · · · · · · · · · · · ·	0	
29) Irrigated / Benefitted Area	1000 1005	· · · · · · · · · · · · · · · · · · ·	Total	·	0	· · · · · · · · · · · · · · · · · · ·
Average	1990-1995 W-1	· <u>-</u>			0	
Average Season	Wet	··· •• ••	Dry	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha)	Wet 1012.68		Dry 915	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 1012.68 807.27		Dry 915 633.02	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 1012.68 807.27 81.33	-	Dry 915 633.02 78			
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 1012.68 807.27	-	Dry 915 633.02	Third Length of Conal (km) contract		Area Covered (he
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1012.68 807.27 81.33	-	Dry 915 633.02 78	Length of Conal (km)		Area Covered (ht 1327
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 1012.68 807.27 81.33 Nature of C	-	Dry 915 633.02 78	Length of Canal (km) contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1012.63 807.27 81.33 Nature of C 1 & 11 Realization	Contract of the propos	Dry 915 633.02 78 Number of FIA 7	Length of Canal (km) contract 31.541 ross Muleta River to fu		1327
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigotors Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1012.68 807.27 81.33 Nature of C 1 & H Realization area of 4,00 Continuous	Contract of the proposi 52 ha. with an 1 roll down of s	Dry 915 633.02 78 Number of FIA 7 ? ed reservoir dam act additional area of 2 stream flow due to d	Length of Canal (km) contract 31.541 ross Muleta River to fu	I wavder Ily: gene I areas	1327 trate the system's se and siliation of hea

1

I



-----

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

----



Name of System	Putang	ut RIS					
I) Water Resources Region	10	2) Source of W	ater Supp	<i>b</i>	Pulangui Rive	,	, , , , , , , , , , , , , , , , , , ,
3) Approved Water Rights			4) (	Official Ope	ning of the Syster	n Janu	ary 1984
5) Original Construction Cost	P 199,89	9,210.00	6) [	Date of Ren	abilitation	Nove	mber 1990 - December
7) Cost of Rehabilitation	P 255,62	9,183.00	<i>S)</i> (	Current Sta	tus	Ofer	ating System
9) Firmed-up Service Area	11415		10)	Designed /	trea	1141	5
11) Potential Area	11415		12)	Number of	Landowners	4552	
13) Number of Farmers Served	5145		14)	Average F	arm Size	2.22	
15) Number of Lots	829		16)	Diversion	Туре	Dive	rsion Dam
17) Diversion Capacity	SMC - 19	.8 cms; NMC - 1	1.22 18)	Length of :	Main Canal	64.2	14
19) Length of Laterals	157.996		20)	Number of	Turnouts	459	
21) Length of Service Roads	225.671		22)	Length of	Access Roads	129	······································
23) Drainage Density	376.871			Farmditch		459.	303
25) Climatic Condition (Coronas)	Type III	····· ···		******	nnual Rainfall	156	
27) Main Crops	Rice	<u>,,.</u>				I	
28) Towns / Province Served	Towns	·	Pre	ovince	<u></u>	Area	
	Valencia Malaybala	n.		lidnon lidnon		91-5 1515	
	Queson						
29) Irrigated / Benefitted Area			Tol	ai	<b>.</b>	0	
29) Irrigated / Benefitted Area Average	1935-19		Tot	al		0	
			Tot Dry	at	Third	0	
Average	1985-19	25		al	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season	1935-19 Wet	25	Dry	 Ia <u>i</u> 	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha)	1985-19 Wet 2712.13		Dry 8623.54	iai	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha) 30) Farmers Irrigators Association	1985-19 Wet 2712.13 7603.06 4.09		Dry 8623.54 8147.27		Jength of Can		Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha)	1985-19 Wet 7712-13 7603.06 4.09 Nature c		Dry 8623.54 8147.27 4.01		Sensth of Can contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha) 30) Farmers Irrigators Association (F14) with Memorandum of	1985-19 Wet 2712-13 7603.06 4.09 Nature o Type I		Dry 8623.54 8147.27 4.01 Number		Jength of Can		Area Covered (ha) 11415
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	1985-19 Wet 7712-13 7603.06 4.09 Nature c		Dry 8623.54 8147.27 4.01 Number 15		Sensth of Can contract		· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	1985-19 Wet 2712-13 7603.06 4.09 Nature o Type I		Dry 8623.54 8147.27 4.01 Number 15		Sensth of Can contract		· · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	1985-19 Wet 2712-13 7603.06 4.09 Nature o Type I		Dry 8623.54 8147.27 4.01 Number 15		Sensth of Can contract		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Vield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	1985-19 Wet 2712-13 7603.06 4.09 Nature o Type I		Dry 8623.54 8147.27 4.01 Number 15		Sensth of Can contract		



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

.....

Name of System	Roxas-Kuya RIS			
1) Water Resources Region	10 2) Source o	of Water Supply	Kiga River	
3) Approved Woter Rights		4) Official Ope	ning of the System	CY 1957
5) Original Construction Cost	P 1,600,000.00	6) Date of Rehe		CY 1979-1984
7) Cost of Rehabilitation	P 14,000,000.00	8) Current Stat	145	Operating System
9) Firmed-up Service Area	771	10) Designed A	lrea	823
11) Potential Area	823	12) Number of	Landowners	314
13) Number of Farmers Served	392	14) Average Fa	arm Size	1.97
15) Number of Lots	119	16) Diversion	Type	Diversion Dam
17) Diversion Capacity	2,000 lps	18) Length of 3	Main Canal	12.319
19) Length of Laterals	6.229	20) Number of	Turnouts	40
21) Length of Service Roads	20.798	22) Length of A	Access Roads	15.5
23) Drainage Density	17.8	24) Farmditch		32.05
25) Climatic Condition (Coronas)	Type III	26) Average Ar	nnual Rainfall	156
27) Main Crops	Rice		······	••••••••••••••••••••••••••••••••••••••
28) Towns / Province Served	Towns	Province		Area (ha)
		Total	· · · · · · · · · · · · ·	0
		Total	· ···· · · · ·	0
Average	1985-1995	· · · ·	· · · · · · · · · · · · · · · · · · ·	0
Average Season	Wet	Total Dry:	Third	
Average Season Irrigated Area (ha)	Wet 722.98	Dry 702.01	, Third	
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet 722.95 705.51	Dry 702 01 695.57	. Third	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 722.98 705.51 3.63	Dry 702.01 695.57 3.59		
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 722.95 705.51	Dry 702 01 695.57	Third Length of Canul (And contract	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 722.98 705.51 3.63	Dry 702 01 695.57 3.59 Number of FIA	length of Canui Am	· · · · · · · · · · · · · · · · · · ·
Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 722.98 703.51 3.63 Nature of Contract	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695.57 3.59 Number of FIA	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigoted Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FLA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 722.98 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion 32) Deterioration of the System	Wet 722.95 705.51 3.63 Nature of Contract Type 1	Dry 702 01 695 57 3.59 Number of FIA 1 2	length of Canul (And contract	) units Area Covered (ha)

بويورج الباد بتنجاب





### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

()

Name of System	Allah-J RIS					
) Water Resources Region	11 2) Source	of Water S	Supply	Allah, Lonon, Sepa	aka River	*
) Approved Water Rights	no record		4) Official Opa	ining of the System	Dam .	1 - June 1935; Dam 2 - J
) Original Construction Cost	P 1.095 Billion		6) Date of Reh	5) Date of Rehabilitation		1996
) Cost of Rehabilitation	P 62,669,523.00		8) Current Sta	tus	On go	ping
)) Firmed-up Service Area	11505		10) Designed.	Area	18812	?
1) Potential Area	21000	1999 - 19 99 99 90 40 10 <b>10</b> 40	12) Number of	Landowners	2500	
3) Number of Farmers Served	7168		14) Average F	arm Size	1	
5) Number of Lots	8?79		16) Diversion	Type	Barra	
7) Diversion Capacity	Dam #1- 17.88; Dam	#2 - 30.	18) Length of	Main Canal	44.89	
19) Length of Laterals	150.02		20) Number of		281	
21) Length of Service Roads	192.41		22) Length of	Access Roads	192.4	······································
73) Drainage Density			24) Farmditch		1	
25) Climatic Condition (Coronas)	Wet (May-Oct); Dry	Nov Ap	·	Innual Rainfall	6	
27) Main Crops	Rice, Corn		Y	······································		
28) Towns / Province Served	Towns		Province		Area	(ha)
	Norala Sto. Nino Isulan		South Cotabeto South Cotabeto		2555 3500	
			South Cotabato		2100	
20) Invicated / Providend Ana			South Cotobato Total		2100	
29) Irrigated / Benefitted Area						
Average	1985-1995			Third		
Average Season	1985-1995 Wei	Dry 702	Total	Third		···· · · · · ·
Average Season Irrigated Area (ha)	1985-1995 Wet 9392.02	7024	Total 1.51	Third		··· · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha)	1985-1995 Wer 9392.02 7684.73	7024 5522	Total 1.51 2.92	Third		···· · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	1985-1995 Wet 9392.02 7684.73 84.03	7024 5522 82.1	Total 1.51 2.92 6	Third Length of Canal (Ba	0	Area Covered (ba)
Average Seoson Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	1985-1995 Wet 9392.02 7684.73 84.03 Nature of Contract	7024 5522 82.1	Total 1.51 2.92	Length of Canal (Br contract	0	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	1985-1995 Wet 9392.02 7684.73 84.03	7024 5522 82.1	Total 1.51 2.92 6	Length of Canal (An	0	Area Covered (ha) 11505
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	1985-1995 Wet 9392.02 7684.73 84.03 Nature of Contract	7024 5522 82.1 Nun	Total 1.51 2.92 6	Length of Canal (Br contract	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	1985-1995 Wet 9392.02 7684.73 84.03 Nature of Contract Type I Type I Type II Matapol Dam - 2,50 funding req't. to cor	7024 5522 82.1 Nun 46 1 0 ha - 42. splete wor	Total 1.51 2.92 6 1.56 1.57 1.	Length of Canal (Br contract 209.01 3.94 w/ funding if 2.83M	0 1) under (CDF - 1 ling reg1	11505 130 5M and GAA -1.33M)
Average Seoson Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	1985-1995 Wet 9392.02 7684.73 84.03 Nature of Contract Type I Type I Type II Matapol Dam - 2,50 funding req't. to cor Dam - 80 ha 50% co	7024 5522 82.1 Nun 46 1 0 ha - 42. uplete wor	Total 1.51 2.92 6 1.56 1.57 1.	Length of Canal (Br contract 209.01 3.94 w/ funding if 2.83M It Fjector - 80 ha fund	0 1) under (CDF - 1 ling req'I )F	11505 130



9

Ċ

### NATIONAL WATER RESOURCES BOARD

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	Banga RIS			
1) Water Resources Region	11 2) Source o	f Water Supply	Banga River	
3) Approved Water Rights		1) Official Of	cening of the System	October 1972
5) Original Construction Cost	P 11,000,000.00	6) Date of Re	habilitation	May 1991
7) Cost of Rehabilitation	P 216,261,895.00	8) Current Sh	ains	Operating System
9) Firmed-up Service Area	2337.51	10) Designed	Area	3360
11) Potential Area	3360	12) Number o	of Landowners	463
13) Number of Farmers Served	1783	14) Average	Farm Size	1.463
15) Number of Lots	505	16) Diversion	Type	Diversion type/ogee
17) Diversion Capacity	5.2	18) Length of	Main Canal	16.655
19) Length of Laterals	51.735	20) Number o	of Turnouts	131
21) Length of Service Roads	39.153	22) Length of	Access Roads	
23) Drainage Density		24) Farmdite	h Density	96
25) Climatic Condition (Coronas)	Temperate	26) Average ,	Annual Rainfall	10.34
27) Main Crops	Rice			······································
28) Towns / Province Served	Towns	Province		Area (ha)
	Bango Norala Sto. Nino	South Cotabato South Cotabato South Cotabato	1	3~4.65 1094.15 8~8.~1
29) Irrigated / Benefitted Area Average Season Irrigated Area (ha) Benefitted Area (ha)	1985-1995 Wei 1748.06 1603.3	Total Dry 1405.48 1267.66	Third	0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wei 1748.06 1603.3 82.96	Dry 1405.48 1267.66 79.49	· · · · · · · · · · · · · · · · · · ·	
Season Irrigated Area (ha) Benefitted Area (ha)	Wei 1748 06 1603 3	Drj 1405.48 1267.66	Third Length of Canat (km) contract 8.905	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1748 06 1603 3 82.96 Nature of Contract	Dry 1405.48 1267.66 79.49 Number of FIA 2	Length of Canat (km) contract 8.905	<sup>under</sup> Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1748 06 1603 3 82.96 Nature of Contract Installation of deep-wa	Dry 1405.48 1267.66 79.49 Number of FIA 2 ell woter pump on uniri	Length of Canat (km) contract 8.905 rigated area but wijn th	under Area Covered (ha) 578-38





### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

 $\bigcirc$ 

Name of System	Batutu H	RIS				
) Water Resources Region	11	2) Source of Wa	ter Supply	Batutu River		- <u></u>
) Approved Water Rights	During col	nstruction period	4) Official Oper	ting of the System	Decen	nber 1979
) Original Construction Cost		794.44 & \$ 53,31		bilitation	Janua	ry 1988
) Cost of Rehabilitation	P 5,485,74	14.63 (IOSP) CY	'83 8) Current Stati		Funct	iona <b>l &amp; v</b> iable system
) Firmed-up Service Area	3269		10) Designed A		+	
1) Potential Area	4450		12) Number of		797	
3) Number of Farmers Served	1606	·····	14) Average Fa		1.12	<u> </u>
5) Number of Lots	2032		16) Diversion T		Run-C	Off the River
7) Diversion Copocity	4,100.00 lps		18) Length of M		27.34	
19) Length of Laterals	13.38	·	20) Number of		147	<u> </u>
21) Length of Service Roads	78		22) Length of A		10	
23) Drainage Density			24) Farmditch		-	
25) Climatic Condition (Coronas)	Foir weat	her	26) Average Ar		307.5	······································
27) Main Crops	Rice					······································
28) Towns / Province Served	Towns		Province		Area	(ha)
	Compostel		Davao del Norte		2169	
29) Irrigated / Benefitted Area		<u>-</u>	Total	,	0	
29) Irrigated / Benefitted Area Average	1985-199	25	Total	· · ·	0	
	1985-199 Wet		Totat Dry:	Third	0	· · · · · · · · · · · · · · · · · · ·
Average	1.1	· · · · · · · · · · · ·		Third	0	
Average Season	Wet		Dry:	Third	0	
Average Season Irrigated Area (ha)	Wet 2124.48		Dry: 2140.7	Third	0	
Average Season Irrigated Area (ha) Berefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 2124.48 2124.48 80.51	f Contract	Dry 2140.7 2140.7	Third Length of Canal (kn contract		Area Covered (ho)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 2124.48 2124.48 80.51	f Contract	Dry 2140.7 2140.7 78.98 Number of FIA	length of Canal (bn		Area Covered (ho) 3269
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 2124.48 2124.48 80.51	f Contract	Dry 2140.7 2140.7 78.98 Number of FIA 14	Length of Canal (kn contract 45.631	n) un.kr	3269
Average Season Irrigated Area (ha) Berefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 2124.48 2124.48 80.51	f Contract	Dry 2140.7 2140.7 78.98 Number of FIA 14	Length of Canal (kn contract 45.631	n) un.kr	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 2124.48 2124.48 80.51 Nature o	f Contract	Dry 2140.7 2140.7 78.98 Number of FIA 14	Length of Canal (kn contract 45.631	n) un.kr	3269
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cawha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 2124.48 2124.48 80.51 Nature o	f Contract	Dry 2140.7 2140.7 78.98 Number of FIA 14	Length of Canal (kn contract 45.631	n) un.kr	3269



9

ł

# NATIONAL WATER RESOURCES BOARD

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

-----

----

Name of System	Buayan RIS			
l) Water Resources Region	11 2) Sesure	ce of Water Supply	Burgan & Timiga	can Rivers
9) Approved Water Rights	Water Permit No.	7513 4) Official O	pening of the System	July 1978
5) Original Construction Cost	P 1.514,646.81		ehabilitation	December 1985
7) Cost of Rehabilitation	P 10,610,000.00	8) Current S		Operational
) Firmed-up Service Area	807.01	10) Designed	d Area	1188.33
11) Potential Area	1939.36	12) Number	of Landowners	345
13) Number of Farmers Served	462	14) Average	Farm Size	0.84
15) Number of Lots	345	16) Diversio	л Тург	Intake/Ogee type
17) Diversion Copacity	3 cms	18) Length o	f Main Canal	12.177
19) Length of Laterals	19.452	20) Number		68
?1) Length of Service Roads	19.745		f.Access Roads	6
3) Drainage Density	6.8	24) Farmdit	·····	65.5
25) Climatic Condition (Coronas)	Type IV		Annual Rainfall	1068.72
27) Main Crops	Rice, Corn, Vegita			
28) Towns / Province Served	Towns	Province		Area (ho)
	Laguo	South Cotabat	• -•	135.75
	Boluan	South Combor	0	3526
	Вија Биљан	South Cotabat South Cotabat		6 52 31
	Ligopa	South Cotabat		16]. <sup>+</sup>
	Kalangawan	South Cotabat	J	-2-4
				and the second
Data Internet ( Developed to a	<u> </u>	Total	<b></b>	0
29) Irrigated / Benefitted Area		Total		0
Average	1985-1995	······		0
Average Season	Wet	Dry	Third	0
Average Season Irrigated Area (ha)	Wes 634.47	······	Third	<i>0</i>
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wes 634.47 560.28	Dry	Third	<i>0</i>
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wes 634.47 560.28 84	Dry 533.71 440.57 75	Third	0
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Furmers Irrigators Association	Wes 634.47 560.28	Dry 533.71 440.57 75	Third Length of Const (Am contract	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wes 634.47 560.28 84	Dry 533.71 440.57 75	length of Conal (km	i) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wes 634.47 560.28 84	Dry 533.71 440.57 75 4 Number of FIA	Length of Canal (Am contract	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wes 634.47 560.28 84	Dry 533.71 440.57 75 4 Number of FIA	Length of Canal (Am contract	i) under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Furmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wes 634.47 560.28 84 Nature of Contrac The proposed Data	Dry 533.71 440.57 75 4 Number of FIA 5 21-as dam will generate an	Length of Conal (Am contract 32:05 additional irrigated a	i) under Area Covered (ha)
Average Season Irrigated Areo (ho) Benefitted Area (ha) Average Yield (cav/ha) 30) Furmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wes 634.47 560.28 84 Nature of Contrac The proposed Data	Dry 533.71 440.57 75 4 Number of FIA 5	Length of Conal (Am contract 32:05 additional irrigated a	) under Area Covered (ha) 807.01
Average Season Irrigated Areo (ho) Benefitted Areo (ho) Average Yield (cav/ha) 30) Furmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wes 634.47 560.28 84 Nature of Contrac Nature of Contrac Data Batometong and a	Dry 533.71 440.57 75 Number of FIA 5 s al-as dam will generate an bout 300 ha for the presen	Length of Conal (Am contract 32 05 1 additional Irrigated an 11 Buayan RIS.	y under Area Covered (ha) 807.01 rea of about 200 ha for Brgy.
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Furmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wes 634.47 560.28 84 Nature of Contrac Inte proposed Data Batomelong and a The Malandagdam	Dry 533.71 440.57 75 Number of FIA 5 s al-as dam will generate an bout 300 ha for the presen	Length of Conal (Am contract 32 05 1 additional Irrigated an 11 Buayan RIS.	y under Area Covered (ha) 807.01 rea of about 200 ha for Brgy.
Average Season Irrigated Areo (ho) Benefitted Areo (ho) Average Yield (cav/ha) 30) Furmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wes 634.47 560.28 84 Nature of Contract The proposed Data Batomelong and an The Malandagdam to steep slope whic	Dry 533.71 440.57 75 Number of FIA 5 al-as dam will generate an bout 300 ha for the presen at Brgy: Kiblat, Malungon h cause severe erosion.	Length of Conol (Am contract 32 05 a additional irrigated au t Buayan RIS. n Sarangani Prov. Need	) under Area Covered (ha) 807.01





# SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	Dumaguil RIS	2				
Water Resources Region	11 2) Sour	ree of Water	Supply	Dianaguil River		
Approved Water Rights			1) Official Op	ening of the System	Partia	t
Original Construction Cost	P 154,268,000.00	(Partial)	6) Date of Rel	abilitation		
Cost of Rehabilitation			8) Current Sta	lus		
Firmed-up Service Area	1000	·	10) Designed	Area	2300	
1) Potential Area	2300		12) Number o	Landowners	288	
3) Number of Farmers Served	743		14) Average H	arm Size	2.02	
5) Number of Lots	425		16) Diversion	Туре	Check	Type
7) Diversion Capacity	3,500 lps		18) Length of	Main Canal	2925	
9) Length of Laterals	20.831		20) Number o	f Turnouts	65	
1) Length of Service Roads	13.06		22) Length of	Access Roads		
3) Drainage Density	67.23		24) Farmdite	h Density	50.57	
15) Climatic Condition (Coronas)			26) Average .	Innual Rainfall	4.35	
77) Main Crops	Rice					
28) Towns / Province Served	Towns		Province		Area	(ha)
	Tacurong		Sultan Kudrat		2158 112	
			Total	. <b>.</b>	0	
29) Irrigated / Benefitted Area			Total		0	
29) Irrigated / Benefitted Area Average	1993-1996		Totai		0	
	1993-1996 Wet		<u></u>	Third	0	
Average		· · · · - · · · - <del>-</del>	<u></u>	Third	0	
Average Season	Wet	84	- Э	Third	0	
Average Season Irrigated Area (ha)	Wet 1265.05	84 82	r 11.33	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 1265.05 1221.53	84 82 50	97 11.33 22.36	Third Length of Canal (k contract	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1265.05 1221.53 95.75	84 82 50	75 11.33 22.36 5.5	Length of Canal (A	· · · · · · · · · · · · · · · · · · ·	Area Covered (ha) 1375
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 1265.05 1221.53 95.75 Nature of Contr	84 82 56 ract N	75 11.33 22.36 5.5	Length of Canal (k contract	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1265.05 1221.53 95.75 Nature of Contr Type 1 & 2	84 82 56 ract N	75 11.33 22.36 5.5	Length of Canal (k contract 18.83	· · · · · · · · · · · · · · · · · · ·	1375
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1265.05 1221.53 95.75 Nature of Contr Type 1 & 2	84 82 56 ract N	75 11.33 22.36 5.5	Length of Canal (k contract 18.83	· · · · · · · · · · · · · · · · · · ·	1375
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1265.05 1221.53 95.75 Nature of Contr Type 1 & 2	84 82 56 ract N	75 11.33 22.36 5.5	Length of Canal (k contract 18.83	· · · · · · · · · · · · · · · · · · ·	1375
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1265.05 1221.53 95.75 Nature of Contr Type 1 & 2	84 82 56 ract N	75 11.33 22.36 5.5	Length of Canal (k contract 18.83	· · · · · · · · · · · · · · · · · · ·	1375
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 1265.05 1221.53 95.75 Nature of Contr Type 1 & 2	84 82 56 ract N	75 11.33 22.36 5.5	Length of Canal (k contract 18.83	· · · · · · · · · · · · · · · · · · ·	1375



٢

Ţ

NATIONAL WATER RESOURCES BOARD

### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	- Kipaliku RIS	Т.				
1) Water Resources Region	11 2) Se	surce of Water Supply		Kipaliku River		
3) Approved Water Rights		1) Q(	ficial Oper	ning of the System	1993	
5) Original Construction Cost	P 408,069,887.9	75 6) Da	ite of Reha	bilitation	1995	
7) Cost of Rehabilitation	P 1,661,120.00	8) Cu	rrent State	15		
9) Firmed-up Service Area	3820	10) D	esigned A	720	2600	
11) Potential Area	4400	12) N	umber of l	andosiners	956	
13) Number of Farmers Served	1260	14) A	verage Fa	rm Size	1	
15) Number of Lots	622	16) E	liversion T	pe	Ogee	· · · · · · · · · · · · · · · · · · ·
17) Diversion Capacity	5 cms	18) L	ength of M	lain Canal	13.67	795
19) Length of Laterals	20.48668	20) N	umber of l	Furnouts	19	
21) Length of Service Roads	26.58651	22) L	ength of A	ccess Roads	11.9	
23) Drainage Density		24) F	armditch I	Density		
25) Climatic Condition (Coronas)	Fair, cloudy	26) A	verage An	meəl Rainfall	1145	.3
27) Main Crops	Rice, Banana	k	• • • •	······································	<b>.</b>	
28) Towns / Province Served	Towns	Provi	nce		Area	(ha)
		Total			0	
29) Irrigated / Benefitted Area		Total			0	
Average	1935-1995	Total			0	
Average Season	1985-1995 Wet	Total Dry		Third	0	····
Average Season Irrigated Area (ha)	1. A.	· · · · ·	· · · · · · · · · · · · · · · · · · ·	Third	0	·····
Average Season Irrigated Area (ha) Benefitted Area (ha)	Wet	Dış		Third	0	· · · · · · · · · · · · · · · · · · ·
Season Irrigated Area (ha) Benefitied Area (ha) Average Yield (cav/ho)	Wet 1299.11	Dry 939.4	· · · · · · · · · · · · · · · · · · ·	Third	0	· · · · · · · · · · · · · · · · · · ·
Average Season Irrigaled Area (ha) Benefitted Area (ha)	Wei 1299.11 1102.11	Dry 939.4 1624.73 80.32		Third Length of Canal (km) u contract 32.16383	ndur	Area Covered (ha) 2400
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 1299.11 1102.11 79.66 Nature of Contr	Dry 939.4 1624.73 80.32 Pact Number of		Length of Canal (Am) u controct 32.16333	ndur	1
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 1299.11 1102.11 79.66 Nature of Contr Expansion of ric	Dry 939.4 1624.73 80.32 Pact Number of 3	····	Length of Canal (Am) w controct 32.16333	ndur	1



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

\_ ...\_.

Name of System	Lambayon	g RIS	: سینیت فقیت بیشند بند بی بی اور				
1) Water Resources Region	11 2)	Source of Wa	iter Supply	,	Kapingkong River		
3) Approved Water Rights			4) Offic	ial Openiz	ng of the System	Nover	nber 30, 1990
5) Original Construction Cost	P 510,800,00	0.00	6) Date	of Rehabi	litation	<b> </b>	
7) Cost of Rehabilitation			8) Curr	ent Status		1	
9) Firmed-up Service Area	11355		10) Des	igned Are	3	12000	)
11) Potential Area	13280		12) Nu	nber of La	undowners	5512	
13) Number of Farmers Served	5758		14) Ave	rage Fari	n Size	1.97	
15) Number of Lots	7344		16) Div	ersion Typ	pe	Barri	ige type
17) Diversion Capacity	16,000 lps		18) Len	gth of Ma	in Canal	12.05	)
19) Length of Laterals	134.026		20) Nia	nber of Tu	urnouts	348	
21) Length of Service Roads	131.58		22) Ler	igih of Act	cess Roads		
23) Drainage Density	129.97		24) Fai	mditch D	ensity	246.8	34
25) Climatic Condition (Coronas)			26) Ave	erage Ann	uol Rainfall	4.35	
27) Main Crops	Rice		<b></b>		•		
28) Towns / Province Served	Towns		Provin	ce		Area	(ha)
	Lambayong Tacurong Pres. Quirino		Sultan K Sultan K Sultan K	udret		9*00 21*0 130	
29) Irrigated / Benefitted Area		· · · · · -	Total			0	
Average	1935-1995						
Season	Wet		Dry		Third		
Irrigated Area (ha)	3709.31		3328.35				
Benefitied Area (ha)	8479.45	· • •	2413.77		· · ·		
Average Yield (cav/ha)	80.77		72.11		- - -		• : •
30) Farmers Irrigators Association	Nature of C	Contract	Number of I	FIA	Length of Canal (kn contract	e) under	Area Covered (ha)
(FIA) with Memorandum of Agreement for Operation and	Type 1		4		11.74		852
Maintenance	Туре I & 2		24		108.25		9308
31) Future Expansion			5		<u></u>		<u></u>
32) Deterioration of the System							
33) Other Information							

ľ



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

. . .

Name of System	Lasang RIS			
1) Water Resources Region	11 2) Soi	arce of Water Supply	Lasang River	in fage (, met i defense och eller 174), <del>andre (</del> andre () see () op (, met i defense () op (, met i defens
3) Approved Water Rights		4) Officia	Opening of the System	November 22, 1982
5) Original Construction Cost	P 126,076,518.0	0 6) Date of	Rehabilitation	1993-1995
7) Cost of Rehabilitation	P 33,852,437.46	8) Curren	1 Status	
9) Firmed-up Service Area	4450	10) Desig	ned Area	4580
11) Potential Area	5237	12) Numb	er of Landowners	1200
13) Number of Farmers Served	2207	14) Avera	ge Farm Size	1
15) Number of Lots	1200	16) Diver	sion Type	0800
17) Diversion Capacity	8.02 cms	18) Lengt	h of Main Canal	20.402
19) Length of Laterals	53.59	20) Numb	er of Turnouts	125
21) Length of Service Roads	72.408	22) Lengt	h of Access Roads	5.55
23) Drainage Density		24) Farm	ditch Density	
25) Climatic Condition (Coronas)	Fair, cloudy	26) Avera	ge Annual Rainfall	1506.6
27) Main Crops	Rice, Banana	······		
28) Towns / Province Served	Towns	Province		Area (ha)
	Carmen	Davao del .	Norie	2**** 36
29) Irrigated / Benefitted Area		Totał		0
29) Irrigated / Benefitted Area Average	1985-1995	Total	·····	0
Average Season	1985-1995 Wet	Total Dry:	Third	0
Average Season Irrigated Area (ha)			Third	<b>0</b>
Average Season	Wet	Dry	Third	0 
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha)	Wet 4085.58	Dry 3914.71	Third	<b>0</b>
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of	Wet 4085.58 3287.09	Dry 3914.71 3157.3 77.45	· · · · · · · · · · · · · · · · · · ·	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	Wet 4085.58 3287.09 72.35	Dry 3914.71 3157.3 77.45	Length of Const (A	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of	Wet 4085.58 3287.09 72.35	Dry 3914.71 3157.3 77.45 act Number of FIA	Length of Canal (k contract	Ing under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and	Wet 4085 58 3287.09 72.35 Nature of Contr.	Dry 3914.71 3157.3 77.45 act Number of FIA	Length of Canal (k contract	Ind under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wet 4085 58 3287.09 72.35 Nature of Contr.	Dry 3914.71 3157.3 77.45 act Number of FIA I	Length of Canal (k contract	Ind under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FL4) with Memorandum of Agreement for Operation and Maintenance	Wet 4083 58 3287.09 72 35 Nature of Contr. 100 has of rice (	Dry 3914.71 3157.3 77.45 act Number of FIA I	Length of Canal (A contract 7410.097	Ind under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (F14) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 4083 58 3287.09 72 35 Nature of Contr. 100 has of rice (	Dry 3914.71 3157.3 77.45 act Number of FIA 1 8 Manay, Panabo	Length of Canal (A contract 7410.097	Ind under Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (F14) with Memorandum of Agreement for Operation and Maintenance 31) Future Expansion	Wet 4083 58 3287.09 72 35 Nature of Contr. 100 has of rice (	Dry 3914.71 3157.3 77.45 act Number of FIA 1 8 Manay, Panabo	Length of Canal (A contract 7410.097	Ind under Area Covered (ha)

9



### SALIENT FEATURES OF NATIONAL IRRIGATION SYSTEM

Name of System	Libugan	on Left RIS				
) Water Resources Region	n I	2) Source of Wat	er Supply	Libuganon River	, 	
) Approved Water Rights			4) Official Op	ening of the System	Janua	1993
) Original Construction Cost	No availab	le data (Dvo. III .	P 6) Date of Rel	habilitation		
) Cost of Rehabilitation			8) Current Sta	ntus		
)) Firmed-up Service Area	618		10) Designed	Area	1090	
11) Potential Area	1090		12) Number oj	f Landowners	313	
13) Number of Farmers Served	313	-	14) Average F	Farm Size	1,97	
15) Number of Lots			16) Diversion	Dpe	Oger	Run-Off the River
7) Diversion Capacity			18) Length of	Main Canal	1154	9
19) Length of Laterals	7.626		20) Number o	f Turnouts	- 41	
21) Length of Service Roads	19.175		22) Length of	Access Roads	3.6	
23) Drainage Density	5.42		24) Farmdite	h Density		
23) Climatic Condition (Coronas)			26) Average /	Annual Rainfall	1.428	}
27) Main Crops	Rice					
28) Towns / Province Served	Towns		Province		Area	(ha)
	Avancion Napalong		Davao Davao		430.8 187.6	
			Total		0	
29) Irrigated / Benefitted Area			Total	·	0	
29) Irrigated / Benefitted Area Average	1985-199	5	Totał		0	
	1985-199. Wet		Tota!	Third	0	· · · · · · · · · · · · · · · · · · ·
Average			· · · ·	Third	0	
Average Season	Wet		)n	Third	0	
Average Season Irrigated Area (ha)	Wet 451.67		)ry 57 32.67	Third	0	
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association	Wet 451.67 349.33 74	4 3 6	)ry 57 32.67	Third Length of Canal contract	· · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 451.67 349.33 74	4 3 6	)ry 57 32.67 9 Sumber of FIA	Length of Canal	· · · · · · · ·	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of	Wet 451.67 349.33 74	L 4 3 6 7 Contract 1	)ry 57 32.67 9 Sumber of FIA	Length of Canal	(km) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and	Wet 151.67 349.33 74 Nature of	L 4 3 6 7 Contract 1	)ry 57 32.67 9 Sumber of FIA	Length of Canal contract	(km) under	Area Covered (ha)
Average Season Irrigated Area (ha) Benefitted Area (ha) Average Yield (cav/ha) 30) Farmers Irrigators Association (FIA) with Memorandum of Agreement for Operation and Maintenance	Wet 151.67 349.33 74 Nature of Construct	I 3 6 1 Contract 2	ory 57 32.67 9 Sumber of FIA Lateral C.	Length of Canal contract	(km) under	Area Covered (ho)