

Part - F

Tables

Table F-1 LIST OF NATIONAL IRRIGATION SYSTEMS AS OF 1996 (1/2)

SYSTEM	WRR*	Province Served	No. of Systems	Service Area (ha)	Actual Irrigated Area (ha)			Cropping Intensity (%)		
					Wet	Dry	Total	Wet	Dry	Total
Region 1										
Agno-Sinucalan	III	Pangasinan	2	12130	7046	5000	12046	58.09	41.22	99.31
Andayaon-Dipalo	III	Pangasinan	3	6302	3250	792	4042	51.57	12.57	64.14
Amburayan	I	La Union	1	3420	3250	2590	5840	95.03	75.73	170.76
Ilocos Norte	I	Ilocos Norte	8	6175	5038	4240	9278	81.59	68.65	150.25
Ilocos Sur	I	Ilocos Sur	3	3840	3370	1238	4608	87.76	32.24	120
Lower Agno-Tolonuguen	III	Pangasinan	1	7500	3772	2025	5797	50.29	27.00	77.29
Masalp	I	La Union	1	1585	1300	716	2016	82.02	45.17	127.19
San Fabian-Dumoloc	III	Pangasinan	2	3594	2395	1387	3782	66.64	38.59	105.23
Subtotal			21	44526	29421	17988	47409	66.05	40.38	106.43
Region 2										
Abulog-Apayao-Pamplona	II	Cagayan-Apayao	2	10895	4500	5032	9532	41.30	48.19	87.49
Baggno	II	Cagayan	1	1812	1020	1481	2501	56.29	81.73	138.02
Banarbur	II	Cagayan	1	1037	630	930	1670	62.56	91.08	153.63
Baua	II	Cagayan	1	1353	452	746	1198	33.41	55.14	88.54
Dummun	II	Cagayan	1	1502	962	1385	2347	64.05	92.21	156.26
LAAPIS	II	Cagayan	1	2306	950	1300	2280	42.50	56.37	98.87
Lower Chico	II	Cagayan	1	1856	1226	895	2121	66.06	48.22	114.28
Magapit	II	Cagayan	1	7500	3730	2170	10000	43.73	95.60	145.33
Malig	II	Isabela	1	2427	1370	1450	2850	56.45	60.98	117.43
MARIIS District I	II	Isabela	1	24054	18662	18932	37644	77.59	78.91	156.5
MARIIS District II	II	Isabela	1	24468	21955	21947	43942	89.89	89.70	179.59
MARIIS District III	II	Isabela-Ilogao	1	24793	16763	16539	33302	67.61	66.71	134.32
MARIIS District IV	II	Isabela	1	24697	17597	17756	35353	73.06	73.72	146.77
San Pablo-Cabagan	II	Isabela	1	1273	666	696	1382	53.89	54.67	108.56
Sotana-Tuguegarao	II	Cagayan	1	1000	679	507	1186	67.90	50.70	118.6
Pinacanduan	II	Cagayan	1	880	460	461	921	52.27	62.39	104.66
Tumaurin	II	Isabela	1	3615	1651	2253	3904	45.67	62.32	107.99
Upper Chico (CAR)	II	Kalinga-Apayao-Isabela	1	17551	9589	9600	19289	55.20	54.70	109.90
Zinundungan	II	Cagayan	1	2045	1869	1869	3738	91.39	91.39	182.79
Subtotal			20	154504	104971	111089	216000	67.94	71.90	139.84
Region 3										
Bucay	III	Zambales	1	1231	No operation					
Angat Maasin	III	Bulacan	1	31455	21555	26464	48019	68.46	84.05	152.51
Camiling	III	Tarlac	1	8600	6776	3250	10026	78.79	37.79	116.58
Colo-Caulaman	III	Bataan-Pampanga	2	1427	400	433	833	29.03	33.65	61.68
Nayan-Bayto	III	Zambales	2	1948	1650	1625	3275	84.70	83.42	168.12
NEPIS	III	Nueva Ecija	1	1313			0			0
Sta. Tomas	III	Zambales	1	3924	No operation					
TASMORIS	III	Tarlac	2	13976	No operation					
Porac-Guman	III	Pampanga	1	4405	1031	2554	3585	23.41		81.38
UPRHS District I	III	Nueva Ecija	1	24962	20616	16577	37193	82.59	66.41	149
UPRHS District II	III	Nueva Ecija	1	23913	27682	13063	35745	94.85	54.63	149.43
UPRHS District III	III	Nueva Ecija	1	29846	20564	16052	36616	68.90	53.78	122.68
UPRHS District IV	III	Nueva Ecija	1	23811	17988	10609	28797	75.54	45.39	120.91
Subtotal			16	170841	113262	90877	204139	66.30	53.19	119.43
Region 4										
Agos	IV	Quezon	1	1119	1119	1119	2238	100.00	100.00	200
Aminay-Patrick	IV	Mindoro Occ.	1	2213	900	900	1800	40.67	40.67	81.34
Baco-Bucayao	IV	Mindoro Or.	1	6327	3928	3169	7097	62.08	54.83	116.91
Cagurey	IV	Mindoro Occ.	1	3308	982	229	1211	29.69	6.92	36.61
Caningay	IV	Romblon	1	256	284	256	540	110.91	100.00	210.91
Cavite FLIS	IV	Cavite	1	13066	8425	3862	12287	64.33	29.51	93.89
Disait	III	Aurora	1	485	320	380	700	65.95	78.35	141.33
DHL	IV	Quezon	3	3309	2520	2787	5307	76.16	84.22	160.38
Laguna FLIS	IV	Laguna	6	3250	2130	1891	4021	65.54	58.18	123.72
Lumintao	IV	Mindoro Occ.	1	1504	1002	721	1723	66.62	47.91	114.56
Malatgao-Butang-Batang	IV	Palswan	2	3200	3434	2517	6001	108.63	78.66	187.53
Sta. Maria Mayor	IV	Laguna	2	1773	975	991	1966	54.99	55.89	110.89
Paghahan	IV	Mindoro Occ.	1	1005	653	653	1306	64.93	64.93	129.95
Palico	IV	Batangas	1	888	826	826	1652	93.29	93.29	186.46
Pula-Bansud	IV	Mindoro Or.	2	3830	3343	3343	6686	87.28	87.28	174.57
Sta. Cruz-MMBL	IV	Laguna	5	4977	3377	3180	6557	67.85	63.89	131.75
Mag-asawang Tubig	IV	Mindoro Or.	1	1700	400	665	1065	23.53	33.12	62.65
Subtotal			31	52228	34668	27789	62457	66.38	53.21	119.59
Region 5										
Bar I-Buhi-Lalo	V	Camarines Sur	2	9720	4824	4491	9315	43.63	46.20	95.83
Cagaycay	V	Camarines Sur	1	1755	506	1400	1906	28.83	79.77	108.6
Dact-Talisay-Matogdon	V	Camarines Norte	2	2746	2580	2526	5106	93.95	91.99	185.94
Inarohan-Tigman-Hinagyaman	V	Camarines Sur	1	3542	2775	2776	5551	78.35	78.37	156.72
Lubmanan-Cabusao	V	Camarines Sur	1	2503	No Operation					
MNOH	V	Atsuy	4	1976	1943	1941	3884	99.85		199.59
Pili-Butan-San Francisco	V	Sorsogon	3	1209	950	600	1750	79.17		145.83
Subtotal			14	23412	13578	13334	27512	58.00	59.52	117.51

Table F-1 LIST OF NATIONAL IRRIGATION SYSTEMS AS OF 1996 (2/2)

SYSTEM	WRR*	Province Served	No. of Systems	Service Area (ha)	Actual Irrigated Area (ha)			Cropping Intensity (%)		
					Wet	Dry	Total	Wet	Dry	Total
Region 6										
Aganan Sta. Barbara	VI	Iloilo	2	8262	7062	3485	10547	85.48	42.18	127.66
Aklan Panakuyan	VI	Aklan	2	4816	4216	4216	8432	87.51	87.51	175.08
Bayo	VI	Negros Occ.	1	12700	9723	8093	17816	76.56	63.72	149.28
Barotac-Viejo	VI	Iloilo	1	1774	1430	933	2383	78.92	55.41	134.33
Jalaun-Saoguo	VI	Iloilo	3	14100	11556	8550	20106	80.26	59.38	139.63
Mambusao	VI	Capiz	1	1423	990	878	1868	69.57	61.70	131.27
Pangiplan	VI	Negros Occ.	1	1775	957	910	1897	53.92	52.96	106.87
Sibatam-San Jose	VI	Antique	1	5065	4375	3036	7411	86.38	59.91	146.32
Sibatam-Tighauan	VI	Iloilo	1	2020	1624	550	2174	80.40	27.23	107.62
Subtotal			13	52235	41903	30731	72634	80.22	58.83	139.05
Region 7 & 8										
Bao	VIII	Northern Leyte	1	1917	1802	1795	3597	94.00	93.64	187.64
Binahaan-Tibak	VIII	Northern Leyte	4	6041	4116	4122	8238	68.13	68.23	136.37
Manit-Pongso	VIII	Northern Leyte	2	2184	1760	1478	3238	80.50	67.67	148.26
Daguitan-Guinarona	VIII	Northern Leyte	2	1496	750	883	1633	50.13	59.02	109.16
Bilo	VIII	Northern Leyte	1	1411	1332	1313	2645	94.40	93.05	187.46
Baire-Ibawon-Gibuga	VIII	Northern Leyte	4	1715	1388	1273	2661	80.93	74.23	155.16
Hindang-Hilogos-Dasay	VIII	No.-So. Leyte	2	1078	1078	1078	2156	100.00	100.00	200
Subtotal			16	15842	12226	11912	24168	77.17	75.38	152.56
Region 9										
Dipolo	IX	Misamis Occ.	1	1600	929	821	1750	58.06	51.31	109.38
Labangan	IX	Zamboanga Sur	1	3195	2500	1966	4466	78.25	61.53	139.78
Salug	IX	Zamboanga Sur	1	7224	5995	5600	11595	82.99	77.52	160.51
Stabugay Valley	IX	Zamboanga Sur	1	3143	2300	2310	4610	73.18	73.50	146.68
Subtotal			4	15162	11724	10697	22421	77.32	70.55	147.88
Region 10										
Manupak	XII	Bukidnon	1	4395	1311	1627	2938	29.83	37.02	66.85
Muleta	XII	Bukidnon	1	4062	1326	1272	2598	32.64	31.31	63.96
Pulangui	XII	Bukidnon	1	8547	8263	8336	16599	96.68	97.53	194.21
Roxas-Kuya	XII	Bukidnon	1	753	763	784	1547	101.33	104.12	205.44
Rugan	XII	Tanay del Sur	1	2500	207	154	361	8.28	6.16	14.44
Subtotal			5	20257	11970	12173	24043	58.60	60.09	118.69
Region 11										
Atan I	XII	South Cotabato	1	10539	11970	6075	18045	113.58	57.64	171.22
Batulu	X	Davao del Norte	1	3269	3197	3135	6332	97.80	95.90	193.7
Buayan	XI	South Cotabato	1	710	587	530	1117	82.68	74.65	157.32
Trasing	XI	Davao del Norte	1	4450	4373	4432	8805	93.27	99.60	197.87
Lupon	XI	Davao Oriental	1	2131	2245	2245	4490	105.35	105.35	210.7
Padada	XI	Davao del Sur	1	3512	3529	3333	6922	100.48	96.61	197.1
Saug	XI	Davao del Norte	1	2941	3003	2625	5628	102.11	89.26	191.36
Sitay	XI	South Cotabato	1	1406	1246	1225	2471	88.62	87.13	175.75
Banga-Marbel	XII	South Cotabato	3	5157	5315	4428	9743	103.06	85.86	188.93
Libuganon	XI	Davao del Norte	1	7093	10726	8338	19064	151.22	117.55	268.77
Saug-Libuganon	XI	Davao del Norte	1	479	469	500	969	97.91	104.38	202.3
Dumaguil	XII	South Cotabato	1	2300	1361	1300	2661	59.17	55.52	115.7
Lambayong	XII	South Cotabato	1	11033	10139	4033	14172	91.90	36.55	128.45
Kipalku	XI	Davao del Norte	1	1500	2359	1797	4156	157.27	119.80	277.07
Mal	XI	Davao del Sur	1	2509	2568	2584	5152	102.35	102.99	205.34
Subtotal			17	59029	63087	46640	109727	106.87	79.01	185.89
Region 12										
Atan 2 - Lambayong	XII	South Cotabato	1							
Kabacan-Pagalungan	XII	No. Cota-Maguindanao	2	5018	4400	4395	8795	87.68	87.58	175.27
Libungan	XII	No. Cota-Maguindanao	1	9360	8799	5596	14395	94.01	59.79	153.79
Malasila	XII	North Cotabato	1	4006	3360	3193	6553	83.87	79.71	163.58
Matang	XII	North Cotabato	1	2931	2100	1913	4013	70.45	64.17	134.62
Talayan	XII	Maguindanao	1	700	35	358	993	5.00	51.14	56.14
Maranding	XII	Tanay del Norte	1	4500	3466	3437	6903	77.02	76.38	153.4
Atip	XII	Maguindanao	1	2300	2233	1855	4088	97.09	80.65	177.74
Subtotal			9	28865	24393	20747	45140	84.51	71.88	156.38
CARAGA										
Andanan	X	Agusan del Sur	1	3416	3096	3106	6202	90.63	90.93	181.56
Cabasaran	X	Agusan del Norte	2	3212	2100	1932	4032	65.38	60.15	125.53
Cantilan	XI	Surigao del Sur	1	1786	1436	1500	2936	83.76	83.99	167.75
Gibong	X	Agusan del Sur	1	2156	2116	2156	4272	93.14	100.00	198.14
Simulao	X	Agusan del Sur	1	2119	2180	2207	4387	102.88	104.15	207.03
Tago	XI	Surigao del Sur	1	2202	2345	2104	4449	106.49	95.55	202.04
Subtotal			7	14891	13333	13005	26338	89.54	87.33	176.87
TOTAL			173	651612	474436	407612	882048	72.79	62.54	135.32

*Water Resources Region

Source: National Irrigation Administration

Table F-2 EXISTING COMMUNAL IRRIGATION SYSTEMS AS OF 1996 (1/2)

WATER RES. REGION	PROVINCE	AMORTIZING SYSTEMS										NON-AMORT. & OTHER GOVT AGENCY ASST										PRIVATE SYSTEMS										TOTAL			
		Number	Service Area (ha)	Irrigated Area (ha)		Service Area (ha)	Number	Service Area (ha)	Irrigated Area (ha)		Service Area (ha)	Number	Service Area (ha)	Irrigated Area (ha)		Service Area (ha)	Number	Service Area (ha)	Irrigated Area (ha)		Service Area (ha)	Number	Service Area (ha)	Irrigated Area (ha)		Service Area (ha)	Wet	Dry	Total						
				Wet	Dry				Wet	Dry				Wet	Dry				Wet	Dry				Wet	Dry					Wet	Dry	Wet	Dry		
I	Abra	54	3,651.00	1,850.00	598.00	649.00	32	649.00	598.00	598.00	187	649.00	598.00	598.00	187	649.00	598.00	598.00	187	649.00	598.00	598.00	273	12,823.00	10,210.00	6,473.00	79.82	66.08	145.70						
		64	1,386.00	1,153.00	1,238.00	1,544.00	64	1,544.00	1,285.00	1,284.00	210	1,544.00	1,285.00	1,284.00	210	1,544.00	1,285.00	1,284.00	210	1,544.00	1,285.00	1,284.00	338	6,479.00	5,419.00	3,962.00	83.64	52.81	145.25						
		30	3,829.00	3,392.00	2,024.00	1,211.00	145	1,211.00	1,197.00	413.00	614	1,211.00	1,197.00	413.00	614	1,211.00	1,197.00	413.00	614	1,211.00	1,197.00	413.00	798	30,951.00	29,286.00	9,504.00	97.42	31.53	129.05						
		36	2,607.00	2,069.00	614.00	75	566.00	442.00	681.00	121	4,598.00	3,918.00	527.00	232	12,669.00	10,411.00	1,922.00	80.90	14.94	96.63															
		41	2,935.00	2,238.00	1,350.00	143	507.00	318.00	29	1,482.00	247.00	71.00	208	6,479.00	5,704.00	4,539.00	71.40	47.92	119.32																
		234	14,400.00	10,712.00	7,076.00	459	25,044.00	22,554.00	9,785.00	1,157	32,253.00	28,824.00	11,443.00	1,650	71,705.00	67,990.00	28,304.00	86.59	39.37	126.06															
		2	25.00	0.30	0.00	0	0.00	0.00	0.00	0	0.00	0.00	0.00	2	25.00	0.30	0.00	1.20	0.30	0.00															
		53	8,145.00	4,792.00	3,263.00	37	53,944.00	24,377.00	21,977.00	93	5,552.00	4,607.00	183	19,071.00	12,391.00	10,237.00	65.97	53.78	119.75																
		36	2,298.00	1,351.00	1,341.00	21	9,950.00	5,450.00	4,750.00	114	3,137.00	1,789.00	171	6,432.00	3,645.00	3,645.00	57.29	50.52	115.91																
		26	3,600.00	1,795.00	1,100.00	5	670.00	290.00	135.00	11	1,941.00	985.00	42	6,111.00	2,970.00	1,445.00	43.69	23.65	67.34																
34	2,630.00	1,278.00	1,102.00	17	481.00	446.00	377.00	148	6,313.00	4,582.00	194	9,632.00	6,254.00	5,158.00	64.53	53.55	118.48																		
20	6,980.00	5,226.00	4,958.00	25	25,420.00	18,407.00	17,088.00	201	15,168.00	12,398.00	255	23,603.00	19,469.00	17,760.00	82.49	73.94	152.73																		
24	2,357.00	891.00	897.00	18	1,338.00	519.00	694.00	39	4,402.00	307.00	81	4,133.00	1,777.00	1,815.00	42.97	43.89	86.87																		
117	2,948.00	2,745.00	2,578.00	97	638.00	627.00	636.00	761	4,318.00	4,139.00	545	7,907.00	7,531.00	7,531.00	56.30	56.32	190.62																		
321	28,203.00	18,028.00	15,219.00	190	11,945.00	6,711.00	6,132.00	1,367	36,863.00	26,258.00	1,878	76,911.00	47,609.00	47,609.00	70.17	61.90	132.67																		
19	4,314.00	2,888.00	1,956.00	7	10,900.00	900.00	900.00	57	5,954.00	2,364.00	83	11,058.00	5,430.00	4,672.00	44.10	42.25	91.35																		
26	1,938.00	1,687.00	1,307.00	25	32,550.00	25,030.00	23,450.00	31	1,457.00	1,406.00	86	6,648.00	5,596.00	4,537.00	84.18	68.25	152.42																		
31	977.00	798.00	714.00	108	10,930.00	10,880.00	9,360.00	136	2,176.00	1,978.00	275	4,245.00	3,865.00	2,676.00	91.05	83.04	154.09																		
16	1,245.00	346.00	488.00	43	4,729.00	1,923.00	1,112.00	2	41.00	35.00	61	6,015.00	3,000.00	1,615.00	31.64	24.85	58.49																		
29	11,505.00	8,315.00	4,620.00	19	2,490.00	1,675.00	1,145.00	47	10,391.00	7,360.00	95	24,338.00	17,670.00	7,290.00	72.61	74.96	102.56																		
44	5,486.00	1,824.00	1,332.00	87	16,909.00	5,412.00	4,904.00	2	399.00	250.00	133	22,794.00	7,486.00	6,356.00	30.84	27.88	60.73																		
63	13,743.00	5,271.00	4,353.00	317	46,328.00	3,674.00	1,955.00	74	10,361.00	8,246.00	454	69,432.00	52,213.00	22,155.00	75.20	74.91	107.11																		
15	5,966.00	3,138.00	1,590.00	6	3,118.00	950.00	765.00	36	5,501.00	3,788.00	57	14,595.00	7,376.00	3,856.00	50.57	26.20	76.87																		
20	2,851.00	1,302.00	951.00	59	4,983.00	1,396.00	1,400.00	15	240.00	198.00	89	7,277.00	2,896.00	1,726.00	39.80	25.72	63.52																		
265	47,625.00	28,776.00	17,281.00	960	82,983.00	50,511.00	27,833.00	400	36,182.00	25,168.00	1,331	156,390.00	104,483.00	54,863.00	62.77	32.97	95.74																		
27	1,516.00	1,147.00	1,009.00	24	539.00	401.00	401.00	13	609.00	659.00	64	2,724.00	2,217.00	2,109.00	81.39	77.42	138.81																		
3	126.00	110.00	50.00	2	182.00	182.00	182.00	0	0.00	0.00	5	310.00	292.00	232.00	54.19	74.84	139.03																		
28	1,887.00	1,765.00	1,639.00	10	6,930.00	5,520.00	5,320.00	63	2,078.00	2,078.00	101	4,574.00	4,375.00	4,449.00	55.65	57.27	142.92																		
30	914.00	275.00	207.00	2	26.00	0.00	0.00	2	53.00	0.00	34	993.00	275.00	207.00	27.69	20.85	48.54																		
44	7,642.00	2,126.00	1,428.00	17	2,940.00	1,359.00	817.00	5	627.00	189.00	60	11,109.00	3,674.00	2,434.00	33.07	21.91	34.98																		
62	2,729.00	2,292.00	2,157.00	38	17,570.00	1,374.00	1,066.00	129	5,146.00	4,934.00	279	9,532.00	8,603.00	7,114.00	69.29	73.86	163.14																		
17	4,930.00	3,598.00	2,307.00	8	4,199.00	0.00	0.00	46	5,200.00	5,150.00	70	14,299.00	8,708.00	4,864.00	60.90	34.02	94.92																		
20	3,728.00	2,972.00	1,715.00	5	1,720.00	140.00	90.00	34	4,325.00	2,218.00	59	8,225.00	5,330.00	3,405.00	64.80	47.13	105.53																		
31	1,656.00	1,069.00	704.00	28	1,536.00	1,109.00	948.00	0	0.00	0.00	59	3,192.00	2,298.00	1,032.00	71.05	51.75	127.81																		
38	1,358.00	854.00	574.00	9	288.00	212.00	241.00	3	72.00	72.00	50	1,718.00	987.00	657.40	57.45	123.69																			
300	26,468.00	16,168.00	12,120.00	143	12,138.00	5,399.00	4,307.00	294	16,170.00	11,086.00	737	58,776.00	36,877.00	27,513.00	64.96	66.46	113.41																		
28	5,224.00	3,394.00	3,110.00	313	25,847.00	19,448.00	14,676.00	23	287.00	0.00	364	31,593.00	22,847.00	17,607.00	71.35	56.92	129.31																		
27	1,964.00	617.00	616.00	68	880.00	65.00	35.00	6	342.00	97.00	101	3,186.00	806.00	748.00	26.39	21.48	48.87																		
106	15,101.00	6,085.00	5,342.00	31	5,451.00	30,590.00	20,540.00	148	16,817.00	12,641.00	268	37,369.00	21,818.00	14,143.00	58.98	37.98	90.95																		
31	1,197.00	550.00	334.00	14	460.00	7.00	10.00	0	0.00	0.00	45	1,663.00	540.00	344.00	33.87	20.70	54.57																		
21	1,304.00	516.00	402.00	9	351.00	45.00	30.00	117	2,317.00	310.00	147	3,972																							

Table F-3 EXISTING IRRIGATION SYSTEMS UNDER BSWM (1/2)

WATER RESOURCES REGION / PROVINCE	S W I M		DIVERSION DAM		SHALLOW/TUBE WELL		TOTAL SERVICE AREA (HA)
	NUMBER	SERVICE AREA (HA.)	NUMBER	SERVICE AREA (HA.)	NUMBER	SERVICE AREA (HA.)	
I							
Abra	0	0	2	110	0	0	110
Benguet***	0	0	0	0	0	0	0
Ilocos Norte	15	700	18	576	35	118.5	1394.5
Ilocos Sur	0	0	23	731	29	90	821
La Union	4	242	16	510	19	101	853
TOTAL	19	942	59	1927	83	309.5	3178.5
II							
Batanes	0	0	0	0	0	0	0
Cagayan	18	931	5	249	38	121	1301
Hugao	4	42	4	115	0	0	157
Isabela	16	714	1	18	28	118.5	850.5
Kalinga Apayao	2	40	10	396	29	107.8	543.8
Mt. Province	0	0	4	40	0	0	40
Nueva Vizcaya	11	489	2	125	0	0	614
Quirino	11	310	1	15	0	0	325
TOTAL	62	2526	27	958	95	347.3	3831.3
III							
Aurora	1	30	6	274	0	0	304
Bataan	0	0	19	613	16	36	649
Benguet***	0	0	2	57	0	0	57
Bulacan	8	1531	9	340	20	51.5	1922.5
Nueva Ecija	10	1454	2	240	47	93.6	1787.6
Pampanga	2	216	19	728	50	120.6	1064.6
Pangasinan	10	410	24	938	51	141.6	1489.6
Tarlac	6	1075	14	547	42	79.7	1701.7
Zambales	1	50	5	114	26	58.9	222.9
TOTAL	38	4766	100	3651	252	581.9	9198.9
IV							
Batangas	4	23	9	106	9	14.5	143.5
Cavite	1	18	0	0	0	0	18
Laguna	0	0	9	342	0	0	342
Marinduque	1	12	1	15	0	0	27
Mindoro Occidental	0	0	2	45	0	0	45
Mindoro Oriental	0	0	4	145	45	80	225
Palawan	0	0	2	48	0	0	48
Quezon	0	0	20	683	0	0	683
Rizal	2	80	1	40	0	0	120
Romblon	2	22	0	0	0	0	22
TOTAL	10	155	48	1424	54	94.5	1673.5
V							
Albay	1	15	8	499	0	0	514
Camarines Norte	1	33	6	119	0	0	152
Camarines Sur	3	263	14	750	49	150.5	1163.5
Catanduanes	0	0	9	228	0	0	228
Masbate	7	654	0	0	0	0	654
Sorsogon	2	65	9	214	11	39	318
TOTAL	14	1030	46	1810	60	189.5	3029.5
VI							
Aklan	1	40	10	335	0	0	375
Antique	1	38	7	160	21	59.5	257.5
Capiz	1	50	13	307	5	14.5	371.5
Guimaras &	0	0	2	45	0	0	45
Iloilo	20	1278	4	92	47	138.9	1508.9
Negros Occ.***	1	40	3	121	34	105.5	266.5
Negros Or.***	0	0	1	50	0	0	50
TOTAL	24	1448	40	1110	107	318.4	2874.4

Table F-3 EXISTING IRRIGATION SYSTEMS UNDER BSWM (2/2)

WATER RESOURCES REGION / PROVINCE	S W I M		DIVERSION DAM		SHALLOW/TUBE WELL		TOTAL SERVICE AREA (HA.)
	NUMBER	SERVICE AREA (HA.)	NUMBER	SERVICE AREA (HA.)	NUMBER	SERVICE AREA (HA.)	
VII							
Bohol	41	1085	4	106	16	36.5	1227.5
Cebu	1	5	4	76	0	0	81
Negros Occ.***	1	100	1	20	0	0	120
Negros Or.***	2	800	7	415	0	0	1245
Siquijor	0	0	4	91	0	0	91
TOTAL	45	1990	20	738	16	36.5	2764.5
VIII							
Biliran &	0	0	3	65	0	0	65
Northern Leyte	3	131	3	50	7	13.5	194.5
Southern Leyte	4	255	7	118	0	0	373
Eastern Samar	4	149	5	83	0	0	232
Northern Samar	2	67	7	104	0	0	171
Western Samar	0	0	5	53	0	0	53
TOTAL	13	602	30	473	7	13.5	1088.5
IX							
Basilan	0	0	0	0	0	0	0
Misamis Occ.	2	22	6	112	0	0	134
Sulu	3	150	0	0	0	0	150
Tawi-Tawi	2	11	0	0	0	0	11
Zamboanga Norte	1	10	12	449	0	0	459
Zamboanga Sur	7	514	16	564	39	150.5	1228.5
TOTAL	15	707	34	1125	39	150.5	1932.5
X							
Agusan Norte	1	47	20	828	0	0	875
Agusan Sur	1	40	9	232	0	0	272
Bukidnon***	0	0	3	80	72	277.7	357.7
Camiguin	0	0	10	146	0	0	146
Misamis Oriental	0	0	8	305	3	8	313
Davao del Norte***	0	0	2	120	5	15.5	135.5
Surigao del Norte	1	67	23	849	0	0	916
TOTAL	3	154	75	2560	80	301.2	3015.2
XI							
Davao del Norte***	2	120	6	508	4	18	646
Davao del Oriental	0	0	2	40	0	0	40
Davao del Sur	2	804	11	695	1	3	1502
Sarangani							0
South Cotabato***	0	0	0	0	14	41.5	41.5
Surigao del Sur	0	0	5	128	0	0	128
TOTAL	4	924	24	1371	19	62.5	2357.5
XII							
Bukidnon***	4	256	16	714	0	0	970
Lanao del Norte	0	0	10	480	0	0	480
Lanao del Sur	0	0	8	190	0	0	190
Maguindanao	2	90	5	230	63	147.7	467.7
North Cotabato	2	134	12	1077	95	263.6	1474.6
South Cotabato***	1	40	4	265	0	0	305
Sultan Kudarat	0	0	11	930	14	61.5	991.5
TOTAL	9	520	66	3886	172	472.8	4878.8
GRAND TOTAL	256	15762	569	21233	984	2878.1	39873.1

Table F-4 STATUS OF IRRIGATION DEVELOPMENT BY PROVINCE AS OF DECEMBER 1996 (1/3)

WATER RESOURCES REGION / PROVINCE	POTENTIAL IRRIGABLE AREA (ha) ^v	NIS ⁱⁱ		CIS ³		SWIM ⁴		DIVERSION DAM ⁶		SHALLOW/TUBE WELL		TOTAL IRRIGATION DEVT. %	
		NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	AREA (ha)	%
I													
Abrá	16740	0	0	273	12823	0	0	2	110	0	0	12933	77.26
Benguet***	5004	0	0	338	6480	0	0	0	0	0	0	6480	129.50
Ilocos Norte	49660	8	6175	798	30961	15	700	18	576	35	118.5	37630.5	75.78
Ilocos Sur	30034	3	3840	232	12869	0	0	23	731	29	90	17530	58.37
La Union	16986	2	5005	209	9473	4	242	16	510	19	101	15331	90.26
TOTAL	118424	13	15620	1650	71706	19	942	59	1927	83	309.5	99904.5	75.92
II													
Batangas	0	0	0	2	25	0	0	0	0	0	0	25	25
Cagayan	147280	12	29029	183	15071	18	931	5	249	38	121	49401	33.54
Iligao	19410	0	528	171	6432	4	42	4	115	0	0	7117	36.67
Isabela	232870	7	113955	42	6111	16	714	1	18	28	118.5	120916.5	47.82
Kalinga Apayao	47660	1	10916	199	9632	2	40	10	396	29	107.8	21091.8	44.25
Mt. Province	7600	0	0	945	7902	0	0	4	40	0	0	7942	105.89
Nueva Vizcaya	46520	0	0	255	23603	11	489	2	125	0	0	24217	49.91
Quirino	20970	0	76	81	4135	11	310	1	15	0	0	4636	16.92
TOTAL	547210	20	154504	1878	76911	62	2576	27	958	95	347.3	235246.3	42.99
III													
Aurora	16630	1	485	83	11056	1	30	6	274	0	0	11847	71.24
Bataan	11620	1	521	84	6648	0	0	19	613	16	36	7818	67.86
Benguet***	3336	0	0	275	4244	0	0	2	57	0	0	4301	129.93
Subicán	51970	1	2767	61	6015	6	163	9	340	20	51.5	35704.5	68.70
Nueva Ecija	208640	5	94028	95	24335	10	1454	2	240	47	93.6	120151.6	57.59
Pampanga	57370	2	19178	133	22794	2	215	19	726	50	120.6	43086.6	75.02
Pangasinan	100500	6	27478	454	69432	10	410	24	938	51	141.6	98399.6	54.52
Tarlac	114530	3	24476	55	13555	6	1075	14	547	47	79.7	39732.7	34.69
Zambales	39200	4	6919	87	7277	1	50	5	114	26	96.9	14418.9	37.75
TOTAL	682696	25	208859	1327	163369	38	4766	100	3851	252	581.9	375408.9	54.99
IV													
Batangas	9260	1	886	64	2724	4	23	9	106	9	14.5	3753.5	40.53
Cavite	23760	1	13086	5	310	1	18	0	0	0	0	13414	56.46
Laguna	27510	13	10000	101	4574	0	0	3	342	0	0	14916	54.22
Marikina	2190	0	0	34	993	1	12	1	15	0	0	1070	46.58
Mindoro Occidental	56170	6	8030	70	14299	0	0	2	45	0	0	22374	39.83
Mindoro Oriental	56710	4	11657	59	3225	0	0	4	145	45	80	20307	35.81
Palawan	28610	2	3200	66	11109	0	0	2	48	0	0	14357	50.18
Quirón	27850	4	4428	229	9632	0	0	20	583	0	0	14743	52.94
Rizal	9330	0	0	59	3182	2	80	1	40	0	0	3312	35.50
Romblón	5570	1	256	50	1718	2	22	0	0	0	0	1996	35.83
TOTAL	246960	31	51743	737	56776	10	155	48	1424	54	94.5	110192.5	44.62

Table F-4 STATUS OF IRRIGATION DEVELOPMENT BY PROVINCE AS OF DECEMBER 1996 (2/3)

WATER RESOURCES REGION / PROVINCE	POTENTIAL IRRIGABLE AREA (ha) ^v	NIS ²		CIS ³		SWIM ⁴ SWIP / SRIP		DIVERSION DAM ^v		SHALLOW / TUBE WELL		TOTAL IRRIGATION SERVICE DEVT. AREA (ha) %	
		NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)
V													
Abay	54620	4	1946	364	31393	1	15	8	469	0	0	33853	61.96
Camrines Norte	22590	2	2746	101	3186	1	33	6	119	0	0	6084	26.93
Comarines Sur	123700	6	17520	288	37369	3	263	14	750	49	150.5	56652.5	45.31
Calanduanes	3770	0	0	45	1662	0	0	9	228	0	0	1690	50.13
Masbate	19860	0	0	147	3972	7	654	0	0	0	0	4626	23.27
Sorsogon	19100	2	1200	178	8560	2	65	9	214	11	39	10078	66.74
TOTAL	239660	14	23412	1123	86142	14	1030	46	1610	60	189.5	112583.5	46.98
VI													
Aklan	10510	2	4816	28	2248	1	40	10	335	0	0	7439	70.78
Antique	24020	1	5065	136	8983	1	38	7	160	21	56.5	14305.5	59.56
Capiz	13670	1	1423	28	2413	1	50	13	397	5	14.5	4207.5	30.78
Camaras & Ibilib	75160	0	0	0	0	0	0	2	45	0	0	45	47.00
Negros Occ.***	71000	2	20456	109	7768	20	1278	4	92	47	136.9	35732.9	73.82
Negros Or.***	678	0	0	4	237	0	0	1	50	0	0	287	42.33
TOTAL	195038	13	52735	330	73893	24	1446	40	1110	107	316.4	78932.4	40.47
VII													
Bahol	30090	0	0	228	9626	41	1085	4	166	16	36.5	10753.5	35.74
Cebu	5660	0	0	50	3575	1	5	4	76	0	0	3605	61.54
Negros Occ.***	7890	0	0	7	597	1	100	1	20	0	0	717	24.81
Negros Or.***	14112	0	0	55	6093	2	800	7	445	0	0	7338	55.94
Siquior	52952	0	0	20	465	0	0	4	91	0	0	556	43.38
TOTAL	55070	0	0	355	20706	45	1990	20	738	16	36.5	22970.5	43.38
VIII													
Biliran & Northern Leyte	56070	0	0	0	0	0	0	3	66	0	0	66	69.02
Southern Leyte	5650	1	386	123	4601	4	255	7	118	0	0	38321.5	94.20
Eastern Samar	4070	0	0	63	2099	4	149	5	83	0	0	5060	57.27
Northern Samar	10660	0	0	45	2699	2	67	7	104	0	0	3060	28.18
Western Samar	8140	0	0	23	1633	0	0	5	53	0	0	1686	20.71
TOTAL	84360	15	15842	401	33893	13	607	30	473	7	13.5	50823.5	60.23
IX													
Basilan	420	0	0	2	166	0	0	0	0	0	0	186	44.29
Misamis Occ.	6440	0	380	45	5110	2	22	6	112	0	0	6130	95.19
Sulu		0	0	0	0	3	150	0	0	0	0	150	11
Tawi-Tawi		0	0	0	0	2	11	0	0	0	0	11	17.96
Zamboanga Norte	32310	0	0	51	5344	1	10	12	449	0	0	5803	64.89
Zamboanga Sur	43770	4	14282	126	12890	7	514	16	564	39	150.5	28400.5	49.05
TOTAL	82940	4	15162	224	23536	15	707	34	1125	39	150.5	40680.5	49.05

Table F-4 STATUS OF IRRIGATION DEVELOPMENT BY PROVINCE AS OF DECEMBER 1996 (3/3)

WATER RESOURCES REGION / PROVINCE	POTENTIAL IRRIGABLE AREA (ha) ^a	NIS ^b		C/S ^c		S/W/M ^d		DIVERSION DAM ^e		SHALLOW/TUBE WELL		TOTAL SERVICE AREA (ha)	IRRIGATION DEVT. %
		NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)	NUMBER	SERVICE AREA (ha)		
X													
Agusan Norte	52490	2	3212	74	5570	1	47	20	828	0	0	2657	18.40
Agusan Sur	56450	3	7691	87	5615	1	40	9	232	0	0	13578	24.05
Bukidnon***	7718	0	0	12	2381	0	0	3	80	72	277.7	2738.7	35.48
Carangay	14000	0	0	13	508	0	0	10	146	0	0	854	19.70
Misamis Oriental		0	0	32	1791	0	0	8	305	3	0	2104	
Davao del Norte***	17584	1	3789	12	2224	0	0	7	120	5	15.5	5628.5	32.01
Davao del Sur	13070	0	0	103	5614	1	67	23	849	0	0	6530	42.96
TOTAL	161312	6	14172	333	23703	3	154	75	2960	60	301.2	40990.2	25.35
XI													
Davao del Norte***	80976	5	16463	47	8521	2	120	6	508	4	18	29630	31.66
Davao del Oriental	17770	1	2131	22	2160	0	0	2	40	0	0	4331	24.37
Davao del Sur	33280	2	6021	61	12878	2	804	11	695	1	3	20401	61.30
Sarangani													
South Cotabato***	23135	2	2115	20	3886	0	0	0	0	14	41.5	9045.5	26.13
Surigao del Sur	40290	2	3983	25	2912	0	0	5	128	0	0	7028	17.44
TOTAL	195451	12	30719	175	30359	2	924	24	1371	19	62.5	63435.5	32.46
XII													
Bukidnon**	73982	4	17157	61	7640	4	256	16	714	0	0	20367	32.97
Lanao del Norte	12560	1	6500	76	9375	0	0	10	480	0	0	14355	114.20
Lanao del Sur	47190	1	2500	9	1237	0	0	8	190	0	0	3927	8.32
Maguindanao	108110	3	4233	59	9375	2	80	5	230	63	147.7	14075.7	12.90
North Cotabato	141360	4	20132	72	9144	2	134	12	1077	95	203.6	31350.6	22.18
South Cotabato***	72245	4	12995	47	7395	1	40	4	265	0	0	20696	26.79
Sultan Kudarat	51970	2	16054	50	12838	0	0	11	930	14	61.5	29863.5	57.57
TOTAL	519317	19	76151	374	57604	9	520	66	3866	172	472.8	140633.8	27.06
GRAND TOTAL	3126340	173	651812	9107	670018	256	15762	569	31233	984	2878.1	1361703.1	43.56

*** Province divided by the Water Resources Region

** Estimated Potential Irrigable Area by NIA, which is based on the 3% slope criteria

* Based on NIA Inventory of NIS (1996 Report)

† Based on Inventory of C/S (1996 Report)

‡ Based on Inventory of Completed and Operational Projects of BSWM, DFWH and NIA (1996 Report)

§ Based on Inventory of Completed Projects of BSWM (1996 Reports)

Service Area - refers to the area provided with irrigation facilities.

Service area covered by MRLIS in Iligao Province

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (1/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P 000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
A. ON-GOING PROJECTS																
1. Diversified Crops Irrigation Project II, Nueva Ecija	Development of irrigation engineering standards for diversified crops. To establish technology criteria and standards for planning and designing irrigation and drainage facilities for non-rice crops.	Pilot farm located at San Rafael in Nueva Ecija. However, research will benefit the entire nation.	Grant	1993-1998	T(P) 64,450 L(P) 60,000 F(S) 2,160 New Rehab	7,000	2,747	-	-	-	-	-	-	-	-	9,747
2. Palawan Integrated Area Development Project II - IC, Palawan	Rehabilitation and improvement of existing diversion structures, earthwork excavation, Rehabilitation of existing irrigation and drainage canal structures and construction of additional canal network and farm distribution and promotion of farmers participatory approach.	Brooke's Point, Dumaran, Taytay Aborlan, San Vicente, Rizal, Batarasa, Coron, El Nido, Busuanga	ADB	1991-1998	T(P) 590,207 L(P) 56,260 F(S) 13,866 New 4,125 Rehab 1,316	9,820	4,075	-	-	-	-	-	-	-	-	13,895
3. Bohol Irrigation Project I, Bohol	Construction of Malinao Dam, 70 km of main and lateral irrigation canals, service and access roads, on-farm development and land levelling to develop irrigation area of about 5,000 ha.	Alicia, Pilar, Dagohoy, San Miguel, Ubay	OECF	1983-1997	T(P) 1,458,420 L(P) 693,307 F(S) 18,039 New 4,960 Rehab	140,000	-	-	-	-	-	-	-	-	-	140,000
						4,746	-	-	-	-	-	-	-	-	-	4,746
						-	-	-	-	-	-	-	-	-	-	0
						-	-	-	-	-	-	-	-	-	-	0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (4/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006						
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006							
9. Irrigation Operation Support Project II, Natonin	Improvement of 18 National Irrigation Systems (NISs), minor repairs on 14 NISs. Improve water control structures and erosion measures in critical areas. Provision of continued support to improve system-level O&M services. Institutional development through strengthening of existing Irrigators Associations & provisions of high priority O&M equipment & materials and improved agricultural support.	Nationwide covering all NISs	IBRD	1993-1998	T(P) L(P) F(S) Minor Restoration Sustained O&M Urgent Repairs	510,610	318,939	-	-	-	-	-	-	-	-	-	-	829,549				
						125,270	7,475	-	-	-	-	-	-	-	-	-	-	-	-	132,743		
						13,062	10,558	-	-	-	-	-	-	-	-	-	-	-	-	-	23,620	
						0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
						651,912	651,812	-	-	-	-	-	-	-	-	-	-	1,303,624				
10. Lower Agusan Development Project - IC Agusan del Norte	Construction of two pumping plants along Agusan River to supply year-round irrigation to 7,922 ha in Butuan City and Buenavista.	Butuan City, Buenavista	CECF	1996-2001	T(P) L(P) F(S) New Rehab	239,740	252,266	319,690	278,887	226,738	-	-	-	-	-	-	-	-	1,327,321			
						70,000	40,644	66,940	44,268	33,660	-	-	-	-	-	-	-	-	-	-	257,512	
						5,754	7,513	8,500	7,953	6,545	-	-	-	-	-	-	-	-	-	-	-	36,266
						0	0	200	500	7,222	-	-	-	-	-	-	-	-	-	-	-	7,922
						-	-	-	-	-	-	-	-	-	-	-	0					
11. Irrigation Systems Improvement Project II, Northern Leyte	Improvement of 12,648 ha and extension area of 809 ha. Improvement of rural roads, monitoring and control and provision of extension services and schistosomiasis control.	Ormoc City, Palo, Alang-alang, Sta. Fe, San Miguel, Dulag, Pastrana, Dagami, Burawen, Julieta, Tabon-tabon, Abuyog, Javier.	ADB	1996-2001	T(P) L(P) F(S) New Rehab Minor Restoration	75,078	150,000	275,749	390,840	400,749	-	-	-	-	-	-	-	-	1,292,416			
						25,795	50,306	98,749	78,680	148,376	-	-	-	-	-	-	-	-	-	-	401,906	
						1,671	3,379	6,000	10,592	8,555	-	-	-	-	-	-	-	-	-	-	-	30,187
						0	0	75	150	584	-	-	-	-	-	-	-	-	-	-	-	809
						871	1,620	2,230	2,630	5,247	-	-	-	-	-	-	12,648					
						0	0	-	-	-	-	-	-	-	-	-	0					

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (5/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006		
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006			
12. Casacnan Multipurpose Irrigation & Power Project - IC Tarsac & N. Ecija	Rehabilitation of UPRRIS area (20,000 ha) and construction of irrigation facilities for 46,500 ha of new areas.			1996-2003	T(P)	330,000	200,000	500,000	500,000	500,000	490,000	398,000	-	-	-	2,918,000		
					L(P)	330,000	200,000	500,000	500,000	500,000	490,000	398,000	-	-	-	2,918,000		
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	0
13. Water Resource Development Project, Nationwide	The project would improve selected existing irrigation systems, expand irrigated area, & facilitate policy & institutional reform in the water sector.	Nationwide	IBRD	1998-2002	New	0	1,000	3,185	7,905	7,905	11,405	15,100	-	-	-	46,500		
					Rehab	0	0	5,000	5,000	5,000	0	-	-	-	-	-	20,000	
					T(P)	-	427,240	685,750	538,442	329,750	317,235	-	-	-	-	-	-	2,299,417
14. Repair and Rehab. of Existing National and Communal Irrigation Facilities.	Improvement & restoration of existing irrigation facilities and structures. Activities include minor repairs of measuring and control structures to restore the original service areas of irrigation systems.	Nationwide	Locally Funded	1997-2006	L(P)	-	177,000	200,000	70,424	20,000	3,000	-	-	-	-	470,424		
					F(S)	-	8,483	15,500	15,865	10,500	10,652	-	-	-	-	-	-	52,000
					Improvement	-	0	50,000	50,000	50,000	61,000	-	-	-	-	-	-	211,000
15. Repair & Rehab. of existing Service and Access Roads in National Irrigation Systems, Farm-to-Market Roads Nationwide.	Rehabilitation and repair of existing service and farm-to-market roads to facilitate the movement of farm produce and inputs, as well as farm equipment.	Nationwide	Locally Funded	1997-1999	T(P)	308,738	112,950	100,000	-	-	-	-	-	-	-	521,688		
					L(P)	308,738	112,950	100,000	-	-	-	-	-	-	-	-	-	521,688
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	0
	Road Repair (km of roads)		3,751	1,310	1,000	-	-	-	-	-	-	-	-	-	6,061			

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (6/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006					
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006						
16. Repair and Establishment of Groundwater Pump Projects	Rehabilitation and repair and improvement of groundwater pump irrigation projects to sustain the operation of the existing wells.	Nationwide	Locally funded	1997-2000	T(P)	332,500	100,000	609,520	476,915	-	-	-	-	-	-	-	-	1,518,935			
					L(P)	332,500	100,000	609,520	476,915	-	-	-	-	-	-	-	-	-	-	1,518,935	
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
17. Small Reservoir Irrigation Project (SRIP)	Construction of small water impounding dams and its appurtenant structures to store water for irrigation and drainage and on-farm facilities.	Nationwide	Locally funded	1999-2002	T(P)	200,000	320,000	1,930,000	2,000,000	2,000,000	603,000	-	-	-	-	-	-	7,985,000			
					L(P)	200,000	320,000	1,930,000	2,000,000	2,000,000	603,000	-	-	-	-	-	-	-	-	7,985,000	
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
18. Rehab, repair and improvement of Drainage & Flood Protection System, CIS & NIS	Construction of drainage and flood protection measures to increase cropping intensities in NIS & CIS	Nationwide	Locally Funded	1995-1999	Dam construction (No. of dams on-going)	5	3	18	13	15	8	-	-	-	-	-	-	67			
					T(P)	180,000	280,000	150,000	-	-	-	-	-	-	-	-	-	-	-	-	610,000
					L(P)	180,000	280,000	150,000	-	-	-	-	-	-	-	-	-	-	-	-	-
19. Feasibility Study & Detailed Engineering of Proposed Projects	Rehabilitation and repair of existing service and farm-to-market roads to facilitate	Nationwide	Locally Funded	1997-2005	Repair of Drainage (km canals)	775	575	1,000	-	-	-	-	-	-	-	-	-	2,350			
					T(P)	15,000	84,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	739,000
					L(P)	15,000	84,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	739,000
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	0			

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (7/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)											TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997-2006	
20. Agri-Institutional Development Program Nationwide.	Organization and training of Irrigator's Associations.	Nationwide	Locally funded	1997-2006	T(P) 190,000 L(P) 190,000 F(S) 0	10,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	190,000
21. Apayao-Abulog Irrigation System Improvement Project Kalinga-Apayao	Construction of new Diver- sion Dam & rehabilitation of existing system covering about 10,000 hectares	Abulog, Ballesteros Aparri, Allacapan, Pudtol, Luna, Figra, Sta. Marcela	Locally funded	1996-2000	T(P) 866,000 L(P) 866,000 F(S) 0	131,290	100,000	231,151	271,659	-	-	-	-	-	-	-	734,100
22. Rehab. Of areas affected by Mt. Pinatubo Tarec, Zambales & Pampanga	Rehabilitation of national & communal irrigation systems affected by Mt. Pinatubo eruption of about 26,990 ha; Construction of 6 national irrigation projects to irrigate		Locally Funded	1997-2000	New 6,000 Rehab. 4,000	0	3,100	2,000	900	-	-	-	-	-	-	-	6,000
23. Ibayat Integrated Detailed Engineering of Proposed Projects	Construction of facilities to divert water from Cabaywan River to irrigate 200 hectares of farmlands in Ibayat.	Ibayat	Locally Funded (ARF & GATT)	1995-1998	T(P) 89,000 L(P) 89,000 F(S) 0	10,000	25,000	230,771	317,605	-	-	-	-	-	-	-	583,377
					New 4,442 Rehab. 26,990	2,455	8,692	9,247	6,595	-	-	-	-	-	-	-	583,377
						0	0	1,000	3,442	-	-	-	-	-	-	-	4,442
						45,000	24,000	-	-	-	-	-	-	-	-	-	69,000
						45,000	24,000	-	-	-	-	-	-	-	-	-	69,000
						-	-	-	-	-	-	-	-	-	-	-	0
						-	200	-	-	-	-	-	-	-	-	-	200
						-	-	-	-	-	-	-	-	-	-	-	0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (8/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006			
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006				
24. Catubig Irrigation Project Northern Samar	Repair and improvement of Lawahan and Hibubukiao CISs and construction of Palapaag CIP	Catubig, Las Navas Palapaag and Laoang	Locally Funded (GATT- RAMIF)	1996-2000	T(P)	30,000	60,000	50,000	-	-	-	-	-	-	-	-	140,000		
					L(P)	30,000	60,000	50,000	-	-	-	-	-	-	-	-	-	140,000	
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25. Dolores Irrigation Project Eastern Samar	Rehabilitation and restoration of Jicotol CIS, construction of Sulong SRIP	Dolores, Jicotol, Kinolase, Cap-ang Can-avid and Sulong	Locally Funded (GATT- RAMIF)	1996-2000	New	290	500	555	-	-	-	-	-	-	-	-	1,445		
					Rehab.	-	400	455	-	-	-	-	-	-	-	-	-	855	
					T(P)	20,000	100,000	100,000	-	-	-	-	-	-	-	-	-	-	220,000
26. Basey Irrigation Project Western Samar	Construction of irrigation facilities to divert water from Bugasan River to irri- gate 1,300 ha in Basey	Basey	Locally Funded (GATT- RAMIF)	1996-2000	L(P)	20,000	100,000	100,000	-	-	-	-	-	-	-	-	220,000		
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	0
					New Rehab.	210	1,145	1,145	-	-	-	-	-	-	-	-	-	-	2,500
27. Bubunawan-Tumalaon Irrigation Project Bukidnon	Construction of two diversion dams & appurtenant struc- res. One diversion dam would be constructed across Bubunawan River to serve 1,945 ha located at the left bank. The other diversion dam would be constructed a- cross Tumalaong River to ser- ve 995 ha. Canal distribution system consists of an 18 km main canal and 11 km lateral & sub-lateral canals.	Lobona, Baungon	Locally Funded (ARF & GATT)	1996-2001	T(P)	50,000	50,000	90,000	81,000	-	-	-	-	-	-	-	271,000		
					L(P)	50,000	50,000	90,000	81,000	-	-	-	-	-	-	-	-	271,000	
					F(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					New	205	500	595	-	-	-	-	-	-	-	-	1,300		
					Rehab.	-	-	-	-	-	-	-	-	-	-	-	-	-	0
					New Rehab.	200	2,000	-	-	-	-	-	-	-	-	-	-	-	2,000

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (9/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start/End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006	
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
Sub-Total A (On-Going Projects)	T(P)				40,830,177	4,057,330	4,663,018	7,250,111	6,535,413	4,427,944	2,160,235	1,148,000	750,000	750,000	750,000	750,000	32,492,051
	L(P)				28,804,230	2,463,616	2,657,566	5,616,253	5,009,479	3,672,744	1,846,000	1,148,000	750,000	750,000	750,000	750,000	24,663,658
	F(S)				422,635	54,024	67,981	55,385	51,727	25,600	10,652	0	0	0	0	0	255,369
	New				134,666	8,714	21,578	21,745	33,554	18,551	11,405	15,100	0	0	0	0	130,647
	Rehab.				773,162	68,964	82,235	88,677	85,531	77,247	72,000	67,000	67,000	67,000	67,000	67,000	742,654
	Restoration/ Improvement				211,000	0	0	50,000	50,000	50,000	51,000	0	0	0	0	0	211,000
	Sustained O&M				1,303,624	651,812	651,812	0	0	0	0	0	0	0	0	0	1,303,624
	Urgent Repair				0	0	0	0	0	0	0	0	0	0	0	0	0
	Drainage				2,350	775	575	1,000	0	0	0	0	0	0	0	0	2,350
	Road Repair				6,061	3,751	1,310	1,000	0	0	0	0	0	0	0	0	6,061

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (10/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P '000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
B. PRIORITY PIPELINE PROJECTS																
1. Addalam River Irrigation Project Quirino, Isabela	Construction of overflow type, ogee-shaped of rubble masonry diversion dam ac- ross Addalam river. Const- ruction of canal distribution system, drainage network, access and service roads, on-farm facilities, etc.	Aglipay & Saguday in Quirino Echague & Jones in Isabela	Locally Funded	1998-2001	T(P) L(P) F(S) New Rehab	37,000 37,000 - 0 -	156,000 156,000 -	248,000 248,000 -	246,330 246,330 -	2,500 -	- -	- -	- -	- -	- -	687,330 687,330 0 6,130 0
2. Infanta Impounding Irrigation Project Pangasinan	Construction of an impoun- ding dam and facilities to irrigate 1,000 ha in Infanta	Infanta	JICA Grant	1999-2000	T(P) L(P) F(S) New Rehab	- - - - -	10,000 10,000 -	10,000 10,000 -	10,000 10,000 -	- -	- -	- -	- -	- -	- -	20,000 20,000 0 1,000 0
3. Pump Projects for Corn and Other Diversified Crops Cagayan & Isabela	Construction of Pump pro- jects for corn and other crops for diversification to generate 4,740 ha of new areas.	Alcala, Amulong, Tuguegarao, Gamu, Iligan, Cauayan, Angolina and Naguilian	Propose Locally Funded	1999-2001	T(P) L(P) F(S) New Rehab	- - - - -	150,000 150,000 -	141,994 141,994 -	113,717 113,717 -	720 -	- -	- -	- -	- -	- -	405,711 405,711 0 4,740 0
4. Upland Irrigation & Rural Devt. Project in Southern Luzon (Southern Tagalog Irbon, Laguna	Provision of irrigation for upland vegetable crops and introduce crop diversific- ation.	Nagpartian, Liliw, and Majayjay	Propose JICA (Grant)	1999	T(P) L(P) F(S) New Rehab	- - - - -	110,000 110,000 -	- -	- -	- -	- -	- -	- -	- -	- -	110,000 110,000 0 3,000 0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (11/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
5. Revitalization of Central Luzon Groundwater Irrig. Project, Tarlac	Rehabilitation of the existing tubewells and installation of pumps & appurtenant equip- ment, construction of addi- tional tubewells.	Capes, Concep- cion, Gerona, La Paz, Mayantoc, Moncada, Paniqui, Pura, Ramos, Tarlac & Victoria	OECF	1999-2001	256,610 62,500 6,580	-	-	49,500	79,000	128,110	-	-	-	-	-	256,610
						-	-	20,000	20,000	22,500	-	-	-	-	-	62,500
						-	-	1,000	2,000	3,580	-	-	-	-	-	6,580
6. Southern Philippine Irrigation Sector Project	Construction of three core projects: Lagum-Baboo (2, 900 ha), Talakag (2,800 ha), and Malaig (2,750 ha) located in Mindanao & satellite pro- jects consisting of CIS/CIPs with potential site for storage reservoirs in Region VI.	Vereia in Agusan del Norte Talakag, Bukidnon Butig, Lanao del Sur (SRIPs in Wes- tern Visayas are still to be selected)	Locally Funded	1999-2003	2,910,000 1,140,000 60,000	-	-	291,000	436,500	727,500	873,000	582,000	-	-	-	2,910,000
						-	-	114,000	171,000	285,000	342,000	228,000	-	-	-	1,140,000
						-	-	6,000	9,000	15,000	18,000	12,000	-	-	-	60,000
7. Aklan RIS and Rural Areas Environment Improvement Project Aklan	Construction of an ogee- shaped concrete overflow type diversion dam & the re- habilitation of the existing fa- cilities. The diversion dam will also be designed as an over- flow bridge connecting the western and eastern sec- tions of the province.	Banga, Kalibo, Malinao, Numancia, New Washington and Makato	Proposed JICA (Grant)	1999-2001	492,061 285,561 7,000	-	-	50,000	100,000	135,561	-	-	-	-	-	285,561
						-	-	50,000	100,000	135,561	-	-	-	-	-	285,561
						-	-	-	-	-	-	-	-	-	-	0
						-	-	0	0	380	-	-	-	-	380	
						-	-	0	1,200	2,420	-	-	-	-	3,620	

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (12/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P. '000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
8. Bohol Irrigation Project II, Bohol	Construction of fill-type dam at Bayongan to irrigate 4,140 ha and link canal to supple- ment the water supply of Ca- payas Reservoir to irrigate 1,160 ha. Canal network and on-farm development works will be undertaken.	Ubay, San Miguel, and Trinidad	OECF	1999-2003	1,105,964 T(P) 252,944 L(P) 27,560 F(S) 5,300 New Rehab	-	-	50,000	120,270	222,000	341,400	372,294	-	-	-	1,105,954
						-	-	50,000	30,000	45,000	70,000	97,944	-	-	-	252,944
						-	-	-	3,060	6,000	9,200	9,300	-	-	-	27,560
						-	-	0	500	1,000	1,000	2,800	-	-	-	5,300
9. Lower Agno (San Roque) Irrigation Project Pangasinan	Modification of existing Agno RIS diversion dam; enlarge- ment of existing main canals & laterals, construction of new irrigation distribution and drainage facilities for about 30,000 ha of new area & rehab & improvement of existing Agno RIS; LARIS and AMDRAS.	San Carlos City, Dagupan, Urbiztondo Rozales, Tayug, Villasis, Sta. Maria, Urdaneta, Binatohan, Asingan, Pozorubio, San Nicolas, Manal- og, San Manuel, Alcala, Calasiao, Matasiqui, Sta. Bar- bara, Anao, Monca- da, Nampicuan, Cu- yab, Mangaldan	OECF	1999-2005	2,823,000 T(P) 1,289,000 L(P) 52,000 F(S) 30,000 New 40,800 Rehab	-	-	25,000	237,500	792,500	570,000	535,000	431,500	231,500	-	2,823,000
						-	-	25,000	90,000	350,000	275,000	240,000	225,000	84,000	-	1,289,000
						-	-	-	5,000	15,000	10,000	10,000	7,000	5,000	-	52,000
						-	-	0	1,000	2,000	2,500	3,000	5,000	16,500	-	30,000
10. Pump Irrigation Project (Spanish Loan), Nationwide	Construction of shallow tubewells and procurement of 1,000 pumps, 2 drilling rigs & 15 units of geobris- ivity machines	Nationwide (not yet determined)	Spanish Loan	2000-2001	141,000 T(P) 29,000 L(P) 3,797 F(S) 1,150 New Rehab	-	-	-	70,500	70,500	-	-	-	-	-	141,000
						-	-	-	14,500	14,500	-	-	-	-	-	29,000
						-	-	-	1,898	1,898	-	-	-	-	-	3,796
						-	-	-	-	1,150	-	-	-	-	-	1,150

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (13/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P 000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
11. Rationalization Project of Irrigation Water Use for AMRIS Pampanga and Bulacan	Water management improve- ment for Angat-Maasim RIS	Apolit, Candaba, San Luis & San Simon, Bulacan, Calumpit, Hagonoy, Malolos, Paombong, Pulilan, Balagtas, Baliuag, Bocaue, Guiguinto, Bustos, Pandi, Angat, Piga- riedi, San Rafael, & San Idefonso.	Not yet identified	2000-2003	T(P)	-	-	-	75,000	75,000	75,000	75,000	-	-	-	300,000
					L(P)	-	-	-	18,750	18,750	18,750	18,773	-	-	-	75,023
					F(S)	-	-	-	1,907	1,907	1,907	1,906	-	-	-	7,627
12. Baligatan Mini-Hydro Project II, Isabela	Construction of a 27-meter earthfill dam that would cre- ate a reservoir with a capa- city of 7.29 mcm. Installation of a hydropower plant with a capacity of 3.6 MW	Candelaria	not yet identified (BOT/BT)	2000-2001	T(P)	-	-	-	35,000	52,280	-	-	-	-	-	87,280
					L(P)	-	-	-	35,000	52,280	-	-	-	-	-	87,280
					F(S)	-	-	-	-	-	-	-	-	-	-	0
13. North Lawis Irrigation Project Zambales	Construction of diversion dam across North Lawis River to irrigate 1,270 ha. 7.7 km main canal and 20.66 km lateral canal; improvement of natural drainage/water- ways.	Candelaria	Locally funded	2000-2001	T(P)	-	-	-	30,000	48,196	-	-	-	-	-	78,196
					L(P)	-	-	-	30,000	48,196	-	-	-	-	-	78,196
					F(S)	-	-	-	-	-	-	-	-	-	-	0
					New Rehab	-	-	-	-	-	-	-	-	-	0	
					New Rehab	-	-	-	-	-	-	-	-	-	0	
					New Rehab	-	-	-	0	1,270	-	-	-	-	-	1,270
					New Rehab	-	-	-	-	-	-	-	-	-	-	0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (15/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	TOTAL
						1997-2006										
18. Ilocos Sur Transbasin Ilocos Sur	Construction of an overflow type diversion dam across Abra River and a 13.2 km long transbasin tunnel to provide year-round water to 2 existing NIS in Ilocos Sur.	Sta. Lucia, Sta. Cruz, Burgos, Sta. Maria, Luna, Narvacan and San Esteban	European Investment Bank	2000-2004	T(P)	-	-	-	129,000	243,250	377,500	332,750	205,463	-	-	1,287,963
					L(P)	-	-	70,000	140,000	230,000	200,000	109,352	-	-	749,352	
					F(S)	-	-	2,000	3,500	5,000	4,500	3,258	-	-	18,258	
19. Ilocos Norte Irrigation Project (Paisiguan) Phase II, Ilocos Norte, Abra, Ilocos Sur	Construction of a 143.5 m high fill type dam with reser- voir capacity of 232 mcm of water for diversion thru a 6,150 m long headrace tunnel leading to an underground power plant that would gener- ate 36 MW in Nueva Era, Ilocos Norte.	Badoc, Pinali, Nueva Era, Solsona, Bataac, Paasy & Cura in Ilocos N.; Sinait in Ilocos Sur (Dam is located in Abra)	OECF	2000-2008	T(P)	-	-	109,000	247,500	942,500	1,240,000	1,390,000	1,550,000	1,390,000	6,309,000	
					L(P)	-	-	50,000	100,000	500,000	650,000	800,000	1,000,000	900,000	3,900,000	
					F(S)	-	-	2,000	5,000	15,000	20,000	20,000	20,000	20,000	20,000	102,000
20. Land Reclamation and Resettlement Project in Liguasan Marsh, Maguindanao North Cotabato	The proposed project will involve reclamation through poisoning of lands which are inundated during wet months but dry during the rest of the year. A complimentary gravi- ty irrigation & pumping sche- me is expected.	Pikit in North Cota- bato Pagalungan in Maguindanao	IBRD	2001-2005	T(P)	-	-	-	219,750	329,625	549,375	659,250	439,500	-	2,197,500	
					L(P)	-	-	42,750	64,125	106,875	128,250	85,500	-	427,500		
					F(S)	-	-	6,000	9,000	15,000	18,000	12,000	-	50,000		
21. Lake Mainit Integrated Area Development Project IC Agusan del Norte Surigao del Norte	Development of an irrigation projects for the agricultural lands along the periphery of Lake Mainit & the vast area south of the lake down to Ca- bararan plains. At each new development, appurtenant irrigation drainage & on-farm facilities will be provided.	Mainit, Tubod, Alegria, Kitcharao, and Jabonga	WB	2001-2005	T(P)	-	-	-	183,130	274,690	457,810	549,370	366,250	-	1,631,250	
					L(P)	-	-	-	35,630	53,440	89,060	106,870	71,250	-	356,250	
					F(S)	-	-	-	5,000	7,500	12,500	15,000	10,000	-	50,000	
					New Rehab	-	-	0	0	1,000	5,000	10,000	10,000	20,000	0	

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (16/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	TOTAL
						1997-2006										
22. Negros Occidental Irrigation Package Negros Occidental	Expansion of irrigated area for rice and sugarcane pro- duction by providing new irrigation & drainage facilities through construction of Scaba-Manapla, Malogo, Binalbagan & Hilabangan irrigation projects.	Kabankalan, Ilog, Himamaylan, Ca- mayan, Binalbagan Isabela, La Castell- ana, Silay, Talisay, Manapla, Moses Padilla, Hingaran	IBRD	2001-2006	T(P)	-	-	-	-	150,000	225,000	300,000	375,000	375,000	75,000	1,500,000
					L(P)	-	-	-	37,500	56,250	75,000	93,750	93,750	18,750	375,000	
					F(S)	38,136	-	-	3,814	5,720	7,627	9,534	9,534	1,907	38,136	
23. Jalaur Irrigation Systems and Rural Areas Devt. Project Iloilo	Improvement of irrigated agriculture through rehabili- tation/improvement of existing systems, applying adequate farming technology and intro- ducing crop diversification.	Bardote Nuevo, Mina, Dingle, Poto- tan, Dumangas, New Lucena, Zarraga, Leganes, San Miguel, Oton, Pavia	Not yet identified	2001-2006	T(P)	-	-	-	-	212,250	321,000	464,000	550,050	550,050	89,659	2,137,009
					L(P)	-	-	-	50,000	85,000	110,000	140,000	140,000	21,750	546,750	
					F(S)	55,602	-	-	5,500	8,000	12,000	13,900	13,900	2,302	55,602	
Sub-Total B (Priority Pipeline Projects)					New	-	-	-	-	0	0	0	0	0	0	0
					Rehab.	-	-	-	-	0	1,500	2,000	5,000	3,000	5,260	21,760
					TOTAL	0	37,000	891,500	2,211,014	4,697,699	5,446,605	6,048,639	4,941,118	3,552,300	1,654,559	29,370,534
					L(P)	0	37,000	685,000	1,211,964	2,036,839	2,051,535	2,113,312	1,792,232	1,474,500	840,500	12,242,912
					F(S)	0	0	7,000	33,865	90,199	115,087	133,333	106,742	70,434	24,209	580,869
					New	0	0	5,250	13,900	20,520	16,500	32,685	29,270	50,400	14,215	182,840
					Rehab.	0	0	0	5,200	9,110	12,500	14,500	15,830	13,800	5,260	76,200
					Restoration	0	0	0	0	0	0	0	0	0	0	0
					Drainage	0	0	0	0	0	0	0	0	0	0	0
					Road Repair	0	0	0	0	0	0	0	0	0	0	0
						0	0	0	0	0	0	0	0	0	0	0
						0	0	0	0	0	0	0	0	0	0	0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (17/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
C. OTHER PIPELINE PROJECTS																
1. Improvement of O&M of Pump Irrig. Systems, Ilocos Norte, Cagayan & Camarines Sur	Improvement of O&M of pump irrigation systems through physical rehabilitation and upgrading of existing facilities; improvement of system management		Locally Funded	2002-2003	T(P) 411,810 L(P) 21,820 F(S) 13,220	-	-	-	-	-	399,810	12,000	-	-	-	411,810
2. Quipol Irrigation Project, Batangas, Quezon	Construction of a 4.5 m high and 100 m long dam, irrigation and drainage facilities.	Tiaong in Quezon, San Juan in Batangas	Locally Funded	2002-2004	T(P) 168,730 L(P) 168,730 F(S) -	-	-	-	-	-	54,000	90,000	24,730	-	-	168,730
3. Malibogay Irrigation Project, Leyte	Construction of intake at the left bank of Daguitan River, canal distribution system, drainage network, service and access roads, on-farm facilities	Burauen, Julieta, Dagami	Locally Funded	2002-2004	T(P) 34,000 L(P) 34,000 F(S) -	-	-	-	-	-	4,000	20,000	10,000	-	-	34,000
4. Kadinglian Irrigation Project Bukidnon	Construction of diversion dam across Maragao River distribution system to irrigate 6,000 hectares	Kadinglian, Don Carlos, Pangantucan & Kailangan	Locally Funded	2002-2006	T(P) 200,000 L(P) 200,000 F(S) -	-	-	-	-	-	25,000	50,000	47,000	58,000	20,000	200,000
					T(P) 6,000 L(P) 6,000 F(S) -	-	-	-	-	-	0	0	0	-	-	0
					New Rehab	-	-	-	-	-	-	-	-	-	-	0
					New Rehab	-	-	-	-	-	-	-	-	-	-	0
					New Rehab	-	-	-	-	-	-	-	-	-	-	0
					New Rehab	-	-	-	-	-	-	-	-	-	-	0
					New Rehab	-	-	-	-	-	-	-	-	-	-	0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (20/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P '000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006	
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
13. Malitubog-Libungan Transbasin Irrigation Project, Maguindanao & North Cotabato	Construction of a diversion dam across Malitubog River and a transbasin tunnel to carry water to Libungan River to augment water sup- ply for 10,000 ha existing area in Libungan RIS and generate 5,000 ha new area	Pigiwayan in Maguindanao Libungan & Mid- sayap in North Cotabato	Not yet identified	2003-2008	T(P)	-	-	-	-	-	-	266,500	395,000	567,500	617,500	1,846,500	
					L(P)	-	-	-	-	-	60,000	100,000	125,000	175,000	460,000		
					F(S)	-	-	-	-	-	7,000	10,000	15,000	15,000	47,000		
14. Jaijai Alternative Scheme Project, Iloilo	Construction of several small impounding dams upstream of the Jaijai service area to increase water supply for irrigation and construction of new facilities	Maasin, Alimodian, Lambunao, Caillog and Janiway	Not yet identified	2003-2009	T(P)	-	-	-	-	-	-	592,500	750,000	1,185,000	1,496,000	4,063,500	
					L(P)	-	-	-	-	-	150,000	200,000	300,000	375,000	1,025,000		
					F(S)	-	-	-	-	-	15,000	20,000	30,000	38,000	103,000		
15. Mabin Irrigation Project, Pangasinan	Construction of earthfill dam and hydroelectric plant to generate 500 kw of power irrigation facilities to cover 11,500 hectares	Alaminos, Mabin, Bani and Sual	Not yet identified	2004-2010	T(P)	-	-	-	-	-	-	-	513,000	642,500	790,000	1,945,500	
					L(P)	-	-	-	-	-	-	100,000	200,000	200,000	500,000		
					F(S)	-	-	-	-	-	-	14,000	15,000	20,000	45,000		
16. Asue Irrigation Project, Iloilo	Construction of a high dam across Catpayan River to store water which will be channeled through a 400-m long tunnel to Asue River & diverted to serve 7,120 ha	San Marcelino, San Antonio, and San Narciso	Not yet identified	2004-2010	T(P)	-	-	-	-	-	-	-	203,000	456,500	804,000	1,463,500	
					L(P)	-	-	-	-	-	-	85,000	250,000	450,000	785,000		
					F(S)	-	-	-	-	-	-	4,000	7,000	12,000	23,000		
					New Rehab	11,500	-	-	-	-	-	-	-	0	500	0	
					New Rehab	7,120	-	-	-	-	-	-	0	0	1,000	1,000	0

Table F-5 NIA IRRIGATION DEVELOPMENT PROGRAM: 1997 TO 2006 as of September 1997 (23/23)

NAME OF PROJECTS/ PROVINCE	DESCRIPTION	MUNICIPALITIES COVERED	FUNDING SOURCE	SCHEDULE Start-End	ESTIMATED PROJECT COST (P'000) and PHYSICAL TARGETS (HA)	FUNDING REQUIREMENT (P'000) / PHYSICAL TARGETS (HA)										TOTAL 1997-2006
						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
					T(P) L(P) F(S)	4,645,366 3,091,682 54,024	5,912,518 3,907,066 67,981	8,894,791 6,994,433 62,385	8,746,427 5,221,473 85,592	9,129,643 5,709,583 115,799	9,451,650 4,585,955 164,959	11,100,224 4,548,772 222,083	10,961,068 4,232,662 227,742	11,057,300 4,672,500 216,434	10,199,662 4,300,875 169,959	90,024,649 48,224,391 1,416,958
GRAND TOTAL					New Renab. Restoration Sustained O&M Drainage Road Repair Reforestation	15,247 77,094 0 651,812 775 3,751 0	27,368 93,906 0 651,812 575 1,310 0	30,015 88,677 50,000 0 1,000 1,000 0	47,454 90,731 50,000 0 0 0 0	39,071 96,357 90,000 0 0 0 0	29,005 87,500 61,000 0 0 0 0	50,745 90,508 0 0 0 0 0	40,275 93,225 0 0 0 0 0	64,100 90,735 0 0 0 0 0	31,555 83,320 0 0 0 0 0	373,845 882,066 211,000 1,303,624 2,350 6,067 11,300

Exchange Rates: \$1.00 = P 29.50
 Project Costs may differ from total funding requirements for the period due to expenses already
 incurred in earlier years, or for pipeline projects, due to exchange rates.

Table F-6 BSWM 10-YEAR SMALL SCALE IRRIGATION INFRASTRUCTURE PROGRAM ANNUAL FUNDING REQUIREMENTS-PHYSICAL TARGETS

LOCALITY (Region)	TITLE OF FACILITIES	1997			1998			1999			2000			2001			2002			2003			2004			2005			2006						
		BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)	BUDGETARY REPTS. Funding Allocation (M\$)	NO. OF SERVICE PROJECTS (No.)	NO. OF SERVICE AREA (Ha.)				
I	Sawmills	6,000	100	50	2,970	45	13	15,190	216	645	14,850	225	675	15,570	235	735	16,335	245	765	16,815	255	795	17,310	265	825	17,815	275	855	18,330	285	885				
		500	50	15	2,000	105	30	11,190	170	510	10,850	175	525	11,370	185	540	11,760	195	570	12,270	205	600	12,780	215	630	13,300	225	660	13,920	235	690				
II	Sawmills	7,645.5	21	1,934	78,450	20	800	76,450	19	750	74,450	18	740	72,450	17	730	70,450	16	720	68,450	15	710	66,450	14	700	64,450	13	690	62,450	12	680	60,450			
		2,540	5	200	20,000	5	400	19,000	4	350	18,000	3	300	17,000	2	250	16,000	1	200	15,000	1	150	14,000	1	100	13,000	1	50	12,000	1	0	11,000			
III	Sawmills	1,843	20	80	10,000	500	400	11,000	555	444	12,000	611	498.8	13,041	672	556	14,082	739	641	15,123	818	740	16,164	907	818	17,246	996	945	18,369	1,085	1,045	19,474			
		78,000	18	1,934	52,000	11	568	50,000	15	675	48,000	20	800	46,000	25	1,000	44,000	30	1,300	42,000	35	1,600	40,000	40	1,900	38,000	45	2,200	36,000	50	2,500	34,000			
IV	Sawmills	70,070	980	2,040	29,040	440	1,200	60,000	7,000	3,000	65,000	10,100	3,000	67,000	13,200	3,000	69,000	16,300	3,000	71,000	19,400	3,000	73,000	22,600	3,000	75,000	25,800	3,000	77,000	29,000	3,000	79,000			
		1,070	21	910	24,000	6	270	23,000	12	400	22,000	18	530	21,000	24	660	20,000	30	830	19,000	36	1,100	18,000	42	1,370	17,000	48	1,640	16,000	54	1,910	15,000			
V	Sawmills	56,000	800	2,400	52,000	600	2,400	48,000	1,000	3,000	46,000	1,400	3,000	44,000	1,800	3,000	42,000	2,200	3,000	40,000	2,600	3,000	38,000	3,000	3,000	36,000	3,400	3,000	34,000	3,800	3,000	32,000			
		1,500	100	80	2,000	110	72	2,000	100	80	2,000	90	72	2,000	80	64	2,000	70	56	2,000	60	48	2,000	50	40	2,000	40	32	2,000	30	24	2,000			
VI	Sawmills	33,600	480	1,440	5,000	100	300	5,000	100	300	5,000	100	300	5,000	100	300	5,000	100	300	5,000	100	300	5,000	100	300	5,000	100	300	5,000	100	300	5,000			
		20,700	32	700	12,000	2	135	12,000	5	225	12,000	8	315	12,000	11	405	12,000	14	495	12,000	17	585	12,000	20	675	12,000	23	765	12,000	26	855	12,000			
VII	Sawmills	20,700	32	700	12,000	2	135	12,000	5	225	12,000	8	315	12,000	11	405	12,000	14	495	12,000	17	585	12,000	20	675	12,000	23	765	12,000	26	855	12,000	29	945	12,000
		8,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
VIII	Sawmills	20,700	32	700	12,000	2	135	12,000	5	225	12,000	8	315	12,000	11	405	12,000	14	495	12,000	17	585	12,000	20	675	12,000	23	765	12,000	26	855	12,000	29	945	12,000
		20,700	32	700	12,000	2	135	12,000	5	225	12,000	8	315	12,000	11	405	12,000	14	495	12,000	17	585	12,000	20	675	12,000	23	765	12,000	26	855	12,000	29	945	12,000
IX	Sawmills	20,700	32	700	12,000	2	135	12,000	5	225	12,000	8	315	12,000	11	405	12,000	14	495	12,000	17	585	12,000	20	675	12,000	23	765	12,000	26	855	12,000	29	945	12,000
		20,700	32	700	12,000	2	135	12,000	5	225	12,000	8	315	12,000	11	405	12,000	14	495	12,000	17	585	12,000	20	675	12,000	23	765	12,000	26	855	12,000	29	945	12,000
X	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XI	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XII	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XIII	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XIV	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XV	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XVI	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XVII	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XVIII	Sawmills	11,000	5	382	8,000	2	58	8,000	5	116	8,000	8	174	8,000	11	232	8,000	14	290	8,000	17	348	8,000	20	406	8,000	23	464	8,000	26	522	8,000			
		12,000	10	540	10,000	7	84	10,000	14	168	10,000	21	252	10,000	28	336	10,000	35	420	10,000	42	504	10,000	49	588	10,000	56	672	10,000	63	756	10,000			
XIX	Sawmills	11,000	5</																																

Table F-7 NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM (2/3)

(UNIT: ha)

WATER RESOURCES REGION / PROVINCE	POTENTIAL IRRIGABLE AREA	EXISTING IRRIGABLE AREA	NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM												
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006		
V															
ALBAY	54620.0	33853.0	267.0	324.0	384.00	361.0	383	447	478.0	478.0	510	520.0			
CAMARINES NORTE	22590.0	6084.0	383.0	720.0	541.00	648.0	383	457	498	498.0	524	546			
CAMARINES SUR	123700.0	56052.5	603.0	550.0	703.00	841.0	383	497	1533	2533.0	2554	5556			
CATANDUANES	3770.0	1890.0	399.0	414.0	384.00	283.0	0	0	0.0	0.0	0	0.0			
MASBATE	19880.0	4626.0	401.0	579.0	384.00	331.0	383	407	428.0	428.0	474	436.0			
SORSOGON	15100.0	10078.0	400.0	394.0	469.00	463.0	383	407	428.0	428.0	524	554.0			
TOTAL	239660.0	112583.5	2453.0	2971.0	2885.0	2957.0	1915.0	2225.0	3365.0	4365.0	4586.0	7572.0			
VI															
AKLAN	10510.0	7439.0	491.0	696.0	599.00	595.0	500	0	0.0	0.0	0	100.0			
ANTIQUE	24020.0	14305.5	745.0	926.0	813.00	832.0	518	701	728	863.0	664	683			
CAPIZ	13670.0	4207.5	1203.0	807.0	716.00	715.0	518	541	563	563.0	609	631			
Iloilo & Guimaras	75160.0	36777.9	422.0	630.0	606.00	585.0	518	541	563.0	503.0	3109	5095.0			
NEGROS OCC.***	71000.0	16915.5	728.0	1036.0	655.00	643.0	518	621	3863.0	4763.0	7179	10781.0			
NEGROS OR.***	717.0	287.0	200.0	180.0	0.00	0.0	0	50	0.0	0.0	0	0.0			
TOTAL	195077.0	78932.4	3789.0	4275.0	3489.0	3560.0	2672.0	2484.0	5717.0	6522.0	11551.0	17890.0			
VII															
BOHOL	30090.0	10753.5	5617.0	198.0	156.00	696.0	1234	1272	3109	309.0	385	422			
CEBU	6160.0	3606.0	416.0	377.0	161.00	372.0	234	272	309.0	313.0	100	0.0			
NEGROS OCC.***	2890.0	717.0	9.0	9.0	12.00	14.0	0	85	90.0	0.0	0	0.0			
NEGROS OR.*** & Siquijor	14112.0	7894.0	307.0	608.0	456.00	196.0	234	450	509.0	509.0	525	642.0			
TOTAL	53252.0	22970.5	6349.0	1192.0	785.0	1278.0	1702.0	2079.0	4017.0	1131.0	1010.0	1064.0			
VIII															
BILIRAN & Northern Leyte	55620.0	38386.5	683.0	571.0	648.00	491.0	874	633	1160	405.0	430	403			
SOUTHERN LEYTE	5748.0	5390.0	100.0	180.0	0.00	0.0	0	0	0	0.0	50	58			
EASTERN SAMAR	4070.0	2331.0	253.0	324.0	1587.00	1413.0	290	297	0.0	0.0	0	75.0			
NORTHERN SAMAR	10930.0	3060.0	273.0	529.0	1122.00	823.0	790	1013	2335.0	1445.0	440	245.0			
WESTERN SAMAR	8140.0	1686.0	443.0	319.0	732.00	803.0	290	390	395.0	395.0	420	433.0			
TOTAL	84508.0	50323.5	1762.0	1923.0	4089.0	3590.0	2244.0	2603.0	3890.0	2245.0	1340.0	1246.0			
IX															
BASILAN	420.0	186.0	0.0	0.0	0.00	0.0	0	0	0.0	0.0	0	0.0			
MISAMIS OCC.	6440.0	6130.0	37.0	105.0	118.00	0.0	0	0	0	0.0	0	0			
SULU	150.0	150.0	0.0	0.0	0.00	0.0	0	0	0	0.0	0	0			
TAWI-TAWI	11.0	11.0	0.0	0.0	0.00	0.0	0	0	0	0.0	0	0			
ZAMBOANGA NORTE	32310.0	5803.0	406.0	558.0	425.00	398.0	381	438	494.0	494.0	577	744.0			
ZAMBOANGA SUR	43770.0	28400.5	406.0	438.0	425.00	525.0	381	438	494.0	494.0	507	664.0			
TOTAL	89101.0	40680.5	899.0	1101.0	968.0	723.0	762.0	876.0	988.0	988.0	1284.0	1408.0			

Table F-7 NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM (3/3)

(UNIT: ha)

WATER RESOURCES REGION/PROVINCE	POTENTIAL IRRIGABLE AREA	EXISTING AREA	NEW IRRIGATION AREAS TO BE DEVELOPED BY NIA & BSWM																	
			1997	1998	1999	2000	2001	2002	2003	2004	2005	2006								
X																				
AGUSAN NORTE	52490.0	9657.0	413.0	1224.0	450.00	1034.0	7658	504	542	542.0	589	512								
ACUSAN SUR	56450.0	13578.0	363.0	195.0	209.00	513.0	1436	1554	1482	592	629	639								
BUKIDNON***	7718.0	2738.7	0.0	0.0	500.00	500.0	1000	0	0.0	0.0	0	0								
CAMIQUIN & Misamis Or.	14000.0	2758.0	416.0	756.0	363.00	429.0	249	346	394.0	324.0	389	437.0								
DAVAO NORTE***	17584.0	5628.5	206.0	194.0	137.00	284.0	306	409	441.0	441.0	365	458.0								
DAVAO DEL NORTE	13070.0	6500.0	363.0	179.0	189.00	461.0	436	1044	1078.0	1242.0	1299	577.0								
TOTAL	161312.0	40890.2	1766.0	2548.0	1878.0	3221.0	11085.0	3857.0	3141.0	3141.0	3282.0	2723.0								
XI																				
DAVAO NORTE***	80076.0	29630.0	139.0	100.0	0.00	0.0	0	100	110.0	110.0	80	80.0								
DAVAO ORIENTAL	17770.0	4331.0	1038.0	194.0	167.00	284.0	306	404	426	351	395	418								
DAVAO SUR & Saraman	33280.0	20401.0	612.0	337.0	228.00	342.0	306	369	401	401	459	418								
SOUTH COTABATO***	23135.0	6045.5	0.0	0.0	0.00	0.0	0	50	60	60	45	35								
SURIGAO SUR	40290.0	7023.0	787.0	195.0	309.00	496.0	436	464	482	482	559	557								
TOTAL	195451.0	63436.5	2576.0	626.0	704.0	1112.0	1048.0	1387.0	1430.0	1414.0	1533.0	1508.0								
XII																				
BUKIDNON***	79982.0	26337.0	456.0	1006.0	383.00	526.0	249	396	1534	2474	3509	507								
LANAO DEL NORTE	18072.0	14355.0	2480.0	1000.0	0.00	0.0	0	50	60	60	40	27								
LANAO DEL SUR	47190.0	3927.0	485.0	530.0	575.00	877.0	1836	1943	1904	1004	1133	1119								
MAGUINDANAO	105110.0	14075.7	640.0	6246.0	2586.00	853.0	836	1463	3529	6029	8147	1119								
NORTH COTABATO	141360.0	31350.6	1491.0	1436.0	4203.00	7282.0	3106	1822	3879	6379	8492	1548								
SOUTH COTABATO***	77245.0	20595.0	353.0	237.0	229.00	357.0	306	329	351	351	386	418								
SULTAN KUDARAT	51870.0	29883.5	508.0	194.0	187.00	284.0	306	454	501	501	511	512								
TOTAL	524829.0	140633.8	6413.0	10640.0	8122.0	10182.0	6639.0	6487.0	11658.0	16798.0	22228.0	5250.0								
GRAND TOTAL	3136469.6	1361703.1	60932.0	60071.0	52953.0	59097.0	51918.0	46314.0	66120.0	58217.0	82424.0	62134.0								

Table F-9 ESTIMATED PALAY PRODUCTION

A. For High Economic Growth Scenario

	1996	2000	2005	2010	2015	2020	2025
Existing Service Area (ha)	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00
Wet Season (ha)	922597.59	1144017.82	1181935.78	1181935.78	1239537.62	1239537.62	1239537.62
Dry Season (ha)	718986.94	914841.08	951392.14	951392.14	1012802.58	1012802.58	1012802.58
Irrigated Area	1641584.53	2058858.90	2133327.92	2133327.92	2252340.20	2252340.20	2252340.20
New Service Area (ha)	0.00	213053.00	522046.00	750000.00	1000000.00	1250000.00	1500000.00
Wet Season (ha)	0.00	213053.00	522046.00	750000.00	1000000.00	1250000.00	1500000.00
Dry Season (ha)	0.00	213053.00	522046.00	750000.00	1000000.00	1250000.00	1500000.00
Irrigated Area	0.00	426106.00	1044092.00	1500000.00	2000000.00	2500000.00	3000000.00
Total Service Area (ha)	1361703.00	1574756.00	1883749.00	2111703.00	2361703.00	2611703.00	2861703.00
Wet Season (ha)	922597.59	1357070.82	1703981.78	1931935.78	2239537.62	2469537.62	2739537.62
Dry Season (ha)	718986.94	1127894.08	1473438.14	1701392.14	2012802.58	2262802.58	2512802.58
Total Irrigated Area	1641584.53	2484964.90	3177419.92	3633327.92	4252340.20	4752340.20	5252340.20
Yield (MT/ha)	3.73	4.00	4.60	5.00	5.20	5.40	5.50
Production (1000 MT)	6123.11	9939.86	14616.13	18166.64	22112.17	25662.64	28887.87
Production in GDP (1000 MT/year)	7201.40	8431.00	9836.00	11450.00	13310.00	15735.00	18818.00

B. For Low Economic Growth Scenario

	1996	2000	2005	2010	2015	2020	2025
Existing Service Area (ha)	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00	1361703.00
Wet Season (ha)	922597.59	1144017.82	1181935.78	1181935.78	1239537.62	1239537.62	1239537.62
Dry Season (ha)	718986.94	914841.08	951392.14	951392.14	1012802.58	1012802.58	1012802.58
Irrigated Area	1641584.53	2058858.90	2133327.92	2133327.92	2252340.20	2252340.20	2252340.20
New Service Area (ha)	0.00	213053.00	522046.00	584180.00	584180.00	584180.00	584180.00
Wet Season (ha)	0.00	213053.00	522046.00	584180.00	584180.00	584180.00	584180.00
Dry Season (ha)	0.00	213053.00	522046.00	584180.00	584180.00	584180.00	584180.00
Irrigated Area	0.00	426106.00	1044092.00	1168360.00	1168360.00	1168360.00	1168360.00
Total Service Area (ha)	1361703.00	1574756.00	1883749.00	1945883.00	1945883.00	1945883.00	1945883.00
Wet Season (ha)	922597.59	1357070.82	1703981.78	1765115.78	1823717.62	1823717.62	1823717.62
Dry Season (ha)	718986.94	1127894.08	1473438.14	1535572.14	1596982.58	1596982.58	1596982.58
Total Irrigated Area	1641584.53	2484964.90	3177419.92	3301687.92	3420700.20	3420700.20	3420700.20
Yield (MT/ha)	3.73	4.00	4.60	5.00	5.20	5.40	5.50
Production (1000 MT)	6123.11	9939.86	14616.13	16508.44	17787.64	18471.78	18813.85
Production in GDP (1000 MT/year)	7201.40	8431.00	9836.00	11450.00	13310.00	15735.00	18818.00

Table F-10 IRRIGATION WATER REQUIREMENT (3/3)

Water Resources Region/Province	CROPS 1st 2nd	(UNIT: LPS/ha)																																								
		JAN			FEB			MAR			APR			MAY			JUN			JUL			AUG			SEP			OCT			NOV.			DEC							
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3								
X	AGUSAN DEL N.	0.87	1.01	0.77	0.46	0.23	0.02	0	0	0	0	0	0	0	0	0	0	0.93	1.26	1.53	1.31	0.95	1.42	1.37	1.19	1.32	0.98	1.24	0.93	0.3	0.15	0.59	1.05	1.41	0.97	1.08	0.71	0.71	0.82			
	Rice Rice																																									
	AGUSAN DEL S.	0.30	0.74	0.11	0.08	0.02	0.00	0	0	0	0	0	0	0	0	0	0	0.87	1.45	1.71	1.34	1.19	1.33	1.15	1.14	1.37	1.35	1.03	0.63	0.3	0.15	0.62	1.07	1.27	0.81	0.8	0.84	0.42	0.82	0.43		
	Rice Rice																																									
	BUKIDNON	1.38	0.89	0.46	0.05	0	0	0	0	0	0	0	0	0	0.92	1.21	1.42	0.63	0.15	0.03	0.19	0.44	0.36	0.93	0.79	0.15	0.18	0.09	0.3	0.64	1.13	1.17	0.99	1.08	1.28	1.27	1.25	1.18				
	Rice Rice																																									
MISAMIS OR./Camiguin	1.02	1.02	1.02	1.13	0.81	0.45	0.10	0	0	0	0	0	0	0	0	0	0.73	0.94	1.38	0.24	0.81	0.71	1.09	1.14	0.82	0.91	0.9	0.49	0.26	0.07	0.57	1.13	1.45	1.32	1.12	1						
Rice Rice																																										
DAVAO DEL NORTE	0.21	0	0	0	0	0	0	0	0	0	0	0	0	0.87	1.21	1.32	0.95	1.25	1.02	0.53	0.28	0.49	0.66	1.08	1.01	0.52	0.13	0.59	0.64	0.92	0.7	0.52	0.25	0.33	0.5	0.49	0.95	0.67	0.54			
Rice Rice																																										
SURIGAO DEL NORTE	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.44	1	1.42	1.64	1.41	1.05	1.47	1.32	1.39	1.11	0.98	0.8	0.39	0.02	0.33	0.24	0.21	0	0.02	0						
Rice Rice																																										
XI	DAVAO DEL NORTE	0.21	0	0	0	0	0	0	0	0	0	0	0	0	0.67	1.21	1.32	0.65	1.25	1.02	0.53	0.28	0.49	0.66	1.08	1.01	0.52	0.13	0.59	0.64	0.92	0.7	0.52	0.25	0.33	0.5	0.49	0.95	0.67	0.54		
	Rice Rice																																									
	DAVAO ORIENTAL	0.51	0.32	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	1.15	1.68	1.15	1.13	1.1	1.1	1.1	1.15	1.13	0.78	0.35	0.15	0.61	0.9	1.15	0.92	1.05	0.95	0.92	0.97	0.57	0.97		
	Rice Rice																																									
	DAVAO SUR/Sarangani	0.71	0.37	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0.84	1.36	0.94	0.82	0.13	0.16	0.93	1.04	1.5	1.12	0.97	0.35	0.16	0.71	1.1	1.31	0.93	1.24	0.62	1.08	1.17	1.05	1.18		
	Rice Rice																																									
SOCCOTABATO	1.88	1.81	1.77	1.76	1.35	0.76	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0.88	0.87	2	1.91	2	1.32	2.28	1.86	2.19	1.95	2.21	1.28	0.64	0.15	0.89	1.06	2.15	1.93	1.77	1.85	1.63		
Rice Rice																																										
SURIGAO DELSUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.69	1.07	0.71	0.58	0.49	0.72	0.72	0.76	0.9	0.9	0.76	0.38	0.1	0	0	0	0	0	0	0	0	0			
Rice Rice																																										
XII	BUKIDNON	1.38	0.89	0.46	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.92	1.21	1.42	0.63	0.15	0.03	0.19	0.44	0.38	0.93	0.79	0.15	0.16	0.09	0.3	0.64	1.13	1.17	0.99	1.05	1.29	1.27	1.29	1.19	
	Rice Rice																																									
	LANAO DEL NORTE	1.41	1.41	1.43	1.51	1.05	0.58	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0.83	1.28	1.92	1.57	1.61	1.46	1.59	1.59	1.62	1.16	1.16	0.81	0.43	0.09	0.68	1.24	1.61	1.43	1.41	1.31	1.32	
	Rice Rice																																									
	LANAO DEL SUR	1.82	1.86	1.60	1.26	0.62	0.04	0	0	0	0	0	0	0	0	0	0	0.94	1.24	1.7	1.6	1.65	1.86	1.39	2.14	1.7	1.74	1.37	1.37	0.53	0.03	0.73	1.16	1.12	1.36	1.31	1.44	1.63	1.5			
	Rice Rice																																									
MAGUINDANAO	1.44	0.95	0.44	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0.71	1.29	0.81	1.18	1.56	1.17	0.82	1.13	0.55	0.33	1.06	0.24	0.26	0.1	0.64	1.07	1.23	1.14	0.9	1.05	0.97	1.23	1.25	1.35		
Rice Rice																																										
NORTH COTABATO	1.03	0.53	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0.97	1.47	1.58	1.51	1.44	1.38	1.16	1.42	1.49	1.22	1.52	1.2	0.81	0.23	0.82	1.09	1.56	1.38	0.79	1.11	1.19	1.3	1.21	1.3	1.20	
Rice Rice																																										
SOUTH COTABATO	1.88	1.81	1.77	1.76	1.35	0.76	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0.96	0.87	2.00	1.91	2.00	1.32	2.28	1.86	2.19	1.93	2.21	1.28	0.64	0.15	0.88	1.05	2.15	1.88	1.77	1.59	1.83		
Rice Rice																																										
SULTAN KUDARAT	1.54	1.03	0.53	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.93	1.1	1.82	1.41	1.51	1.16	1.41	1.49	1.35	1.57	1.5	1.19	0.59	0.26	0.66	1.2	1.61	1.29	1.24	1.03	1.29	1.34	1.34	1.31		
Rice Rice																																										

Table 11 TOTAL IRRIGATION AREA (1/2)
(High Economic Growth Scenario)

(UNIT: ha)

WATER RESOURCES							
REGION / PROVINCE	1996	2000	2005	2010	2015	2020	2025
I							
ABRA	12933	14169.0	15795.0	16274.0	16387.0	16500.0	16613.0
BENGUET***	6480	6713.0	6713.0	6713.0	6713.0	6713.0	6713.0
ILOCOS NORTE	37630.5	37971.5	43171.5	45793.4	46730.9	47668.5	48606.0
ILOCOS SUR	17530	22607.0	29983.0	30034.0	30034.0	30034.0	30034.0
LA UNION	15331	17067.0	17067.0	17067.0	17067.0	17067.0	17067.0
TOTAL	89904.5	98527.5	112729.5	115881.3	116931.9	117982.4	119033.0
II							
BATANES	25	225.0	225.0	225.0	225.0	225.0	225.0
CAGAYAN	49401	58542.0	63865.0	76416.7	93599.1	110781.5	127963.9
IFUGAO	7117	8036.0	9792.0	11496.7	13415.4	15334.2	17253.0
ISABELA	120916.5	131170.5	136493.5	153611.9	177679.3	201746.6	225814.0
KALINGA -APAYAO	21091.8	28778.8	30624.8	33356.2	36824.5	40292.8	43761.0
MT. PROVINCE	7942	10199.0	10459.0	10509.0	10509.0	10509.0	10509.0
NUEVA VIZCAYA	24217	28062.0	35885.0	41645.6	43312.4	44979.3	46646.2
QUIRINO	4536	10445.0	15768.0	17899.3	19371.3	20843.3	22315.2
TOTAL	235246.3	275458.3	303112.3	345160.5	394936.1	444711.7	494487.3
III							
AURORA	11847	12705.0	13479.0	14062.0	14684.7	15307.3	15930.0
BATAAN	7818	10287.0	11520.0	11520.0	11520.0	11520.0	11520.0
BENGUET***	4301	4301.0	4301.0	4301.0	4301.0	4301.0	4301.0
BULACAN	35704.5	37615.5	38893.5	40977.4	43642.8	46308.2	48973.6
NUEVA ECIIJA	120151.6	136087.6	179776.6	189216.4	193926.1	198635.8	203345.5
PAMPANGA	43036.6	56426.6	56426.6	56557.4	56754.6	56951.8	57148.9
PANGASINAN	98399.6	105344.6	140393.6	148375.1	156164.5	163953.9	171743.3
TARLAC	39732.7	44047.7	47325.7	56908.8	70880.3	84851.9	98823.5
ZAMBALES	14418.9	17584.9	22032.9	24545.0	27856.0	31166.9	34477.9
TOTAL	375409.9	424399.9	514148.9	546463.1	579730.0	612996.9	646263.7
IV							
BATANGAS	3753.5	4963.5	7913.5	8224.1	8475.3	8726.5	8977.6
CAVITE	13414	13849.0	14501.0	15955.2	17847.7	19740.1	21632.6
LAGUNA	14916	18989.0	19589.0	20810.5	22434.9	24059.4	25683.8
MARINDUQUE	1020	1387.0	1987.0	2139.2	2151.5	2163.8	2176.1
MINDORO OCC.	22374	23955.0	24552.0	29056.6	35630.8	42205.1	48779.4
MINDORO OR.	20307	20782.0	21382.0	26471.2	33803.3	41135.4	48467.4
PALAWAN	14357	17760.0	18760.0	20299.5	22314.6	24329.7	26344.7
QUEZON	14743	15780.0	16380.0	18093.2	20458.9	22824.7	25190.5
RIZAL	3312	3920.0	4520.0	5310.5	6285.1	7259.7	8234.3
ROMBLON	1996	3201.0	3871.0	4230.4	4555.2	4880.1	5204.9
TOTAL	110192.5	124586.5	133455.5	150590.4	173957.4	197324.3	220691.3
V							
ALBAY	33853	35189.0	37485.0	40306.9	43777.5	47248.0	50718.5
CAMARINES NORTE	6084	8376.0	10746.0	12857.3	15217.2	17577.1	19937.0
CAMARINES SUR	56052.5	58749.5	66249.5	78995.2	89834.9	100674.6	111514.3
CATANDUANES	1890	3370.0	3370.0	3425.4	3509.0	3592.5	3676.1
MASBATE	4626	6351.0	8471.0	10478.9	12758.4	15037.9	17317.4
SORSOGON	10078	11794.0	13964.0	14598.6	14720.2	14841.8	14963.3
TOTAL	112583.5	123829.5	140285.5	160662.5	179817.2	198971.9	218126.7

Table 11 TOTAL IRRIGATION AREA (2/2)
(High Economic Growth Scenario)

(UNIT: ha)

WATER RESOURCES								
REGION / PROVINCE	1996	2000	2005	2010	2015	2020	2025	
VI								
AKLAN	7439	9910.0	10410.0	10510.0	10510.0	10510.0	10510.0	
ANTIQUE	14305.5	17621.5	20965.5	21977.1	22472.4	22967.8	23163.1	
CAPIZ	4207.5	7648.5	10442.5	11433.2	11975.6	12517.9	13060.3	
Iloilo & Guimaras	35777.9	38020.9	43314.9	52632.9	58095.1	63557.3	69019.5	
NEGROS OCC.***	16915.5	19977.5	36921.5	50930.3	55796.6	60663.0	65529.3	
NEGROS OR.***	287	667.0	717.0	717.0	717.0	717.0	717.0	
TOTAL	78932.4	93845.4	122771.4	148200.4	159566.7	170933.0	182299.3	
VII								
			0.0					
BOHOL	10753.5	17420.5	23729.5	24974.3	26214.7	27455.1	28695.5	
CEBU	3606	4932.0	6160.0	6160.0	6160.0	6160.0	6160.0	
NEGROS OCC.***	717	761.0	936.0	1206.7	1614.9	2023.0	2431.2	
NEGROS OR.*** & Siquijor	7894	9461.0	11688.0	12576.9	12949.1	13321.3	13693.6	
TOTAL	22970.5	32574.5	42513.5	44917.9	46938.7	48959.5	50980.3	
VIII								
BILIRAN & Northern Leyte	38386.5	40789.5	44291.5	46234.0	48509.9	50785.7	53061.5	
SOUTHERN LEYTE	5360	5640.0	5690.0	5748.0	5748.0	5748.0	5748.0	
EASTERN SAMAR	2331	5908.0	6495.0	6570.0	6570.0	6570.0	6570.0	
NORTHERN SAMAR	3060	5807.0	12130.0	12375.0	12375.0	12375.0	12375.0	
WESTERN SAMAR	1686	4043.0	5903.0	6587.7	6964.1	7340.5	7716.9	
TOTAL	50823.5	62187.5	74509.5	77514.7	80166.9	82819.2	85471.4	
IX								
BASILAN	186	186.0	186.0	218.4	267.3	316.2	365.1	
MISAMIS OCC.	6130	6440.0	6440.0	6440.0	6440.0	6440.0	6440.0	
SULU	150	150.0	150.0	150.0	150.0	150.0	150.0	
TAWI-TAWI	11	11.0	11.0	11.0	11.0	11.0	11.0	
ZAMBOANGA NORTE	5803	7590.0	10074.0	13795.6	18284.8	22774.1	27263.3	
ZAMBOANGA SUR	28400.53	29994.5	32408.5	34554.6	36789.1	39023.6	41258.1	
TOTAL	40680.5	44371.5	49269.5	55169.7	61942.2	68714.8	75487.4	
X								
AGUSAN NORTE	9657	12778.0	22613.0	27279.5	33392.4	39505.2	45618.1	
AGUSAN SUR	13578	14878.0	20581.0	26101.0	33459.8	40818.6	48177.4	
BUKIDNON***	2738.7	3738.7	4738.7	5151.5	5773.8	6396.1	7018.4	
CAMIGUIN & Misamis Or.	2758	4722.0	6434.0	7858.7	9347.8	10836.9	12326.0	
DAVAO NORTE***	5628.5	6479.5	8442.5	10103.6	11917.4	13731.2	15545.0	
SURIGAO DEL NORTE	6530	7727.0	12826.0	13403.0	13403.0	13403.0	13403.0	
TOTAL	40890.2	50323.2	75635.2	89897.2	107294.1	124690.9	142087.8	
XI								
DAVAO NORTE***	25630	25869.0	26269.0	33917.3	45327.8	56738.2	68148.6	
DAVAO ORIENTAL	4331	6014.0	7896.0	9624.1	11599.2	13574.4	15549.6	
DAVAO SUR	20401	21920.0	23856.0	25521.7	27402.9	29284.1	31165.2	
SOUTH COTA*** & Sarangar	6045.5	6045.5	6260.5	8628.5	12146.0	15663.4	19180.8	
SURIGAO SUR	7028	8805.0	11248.0	15751.5	21701.4	27651.3	33601.2	
TOTAL	63435.5	68653.5	75529.5	93443.1	118177.2	142911.4	167645.5	
XII								
BUKIDNON***	26367	28721.0	36883.0	43290.9	52187.5	61081.1	69990.7	
LANAO DEL NORTE	14355	17835.0	18045.0	18072.0	18072.0	18072.0	18072.0	
LANAO DEL SUR	3927	6394.0	14114.0	19660.5	26335.6	33010.8	39685.9	
MAGUINDANAO	14075.7	24399.7	44403.7	54332.4	67614.5	80896.5	94178.6	
NORTH COTABATO	31350.6	45762.6	69440.6	80738.2	95437.3	110136.5	124835.6	
SOUTH COTABATO***	20695	21870.0	23603.0	31394.9	42512.3	53629.7	64747.1	
SULTAN KUDARAT	29863.5	31016.5	33299.5	36313.4	40085.5	43857.5	47629.6	
TOTAL	140633.8	175998.8	239788.8	283802.4	342244.8	400687.1	459129.4	
GRAND TOTAL	1361703.1	1574756.1	1883749.1	2111703.1	2361703.1	2611703.1	2861703.1	

Table 12 TOTAL IRRIGATION AREA (1/2)
(Low Economic Growth Scenario)

(UNIT: ha)

WATER RESOURCES							
REGION / PROVINCE	1996	2000	2005	2010	2015	2020	2025
I							
ABRA	12933	14169.0	15795.0	16199.0	16199.0	16199.0	16199.0
BENGUET***	6480	6713.0	6713.0	6713.0	6713.0	6713.0	6713.0
ILOCOS NORTE	37630.5	37971.5	43171.5	45171.5	45171.5	45171.5	45171.5
ILOCOS SUR	17530	22607.0	29993.0	30034.0	30034.0	30034.0	30034.0
LA UNION	15331	17067.0	17067.0	17067.0	17067.0	17067.0	17067.0
TOTAL	89904.5	98527.5	112729.5	115184.5	115184.5	115184.5	115184.5
II							
BATANES	25	225.0	225.0	225.0	225.0	225.0	225.0
CAGAYAN	49401	58542.0	63865.0	65020.0	65020.0	65020.0	65020.0
IFUGAO	7117	8036.0	9792.0	10224.0	10224.0	10224.0	10224.0
ISABELA	120916.5	131170.5	136493.5	137648.5	137648.5	137648.5	137648.5
KALINGA -APAYAO	21091.8	28778.8	30624.8	31055.8	31055.8	31055.8	31055.8
MT. PROVINCE	7942	10199.0	10459.0	10509.0	10509.0	10509.0	10509.0
NUEVA VIZCAYA	24217	28062.0	35885.0	40540.0	40540.0	40540.0	40540.0
QUIRINO	4536	10445.0	15768.0	16923.0	16923.0	16923.0	16923.0
TOTAL	235246.3	275458.3	303112.3	312145.3	312145.3	312145.3	312145.3
III							
AURORA	11847	12705.0	13479.0	13649.0	13649.0	13649.0	13649.0
BATAAN	7818	10287.0	11520.0	11520.0	11520.0	11520.0	11520.0
BENGUET***	4301	4301.0	4301.0	4301.0	4301.0	4301.0	4301.0
BULACAN	35704.5	37615.5	38893.5	39209.5	39209.5	39209.5	39209.5
NUEVA ECIJA	120151.6	136087.6	179776.6	186092.6	186092.6	186092.6	186092.6
PAMPANGA	43036.6	56426.6	56426.6	56426.6	56426.6	56426.6	56426.6
PANGASINAN	98399.6	105344.6	140393.6	143208.6	143208.6	143208.6	143208.6
TARLAC	39732.7	44047.7	47325.7	47641.7	47641.7	47641.7	47641.7
ZAMBALES	14418.9	17584.9	22032.9	22348.9	22348.9	22348.9	22348.9
TOTAL	375409.9	424399.9	514148.9	524397.9	524397.9	524397.9	524397.9
IV							
BATANGAS	3753.5	4963.5	7913.5	8057.5	8057.5	8057.5	8057.5
CAVITE	13414	13849.0	14501.0	14700.0	14700.0	14700.0	14700.0
LAGUNA	14916	18989.0	19589.0	19733.0	19733.0	19733.0	19733.0
MARINDUQUE	1020	1387.0	1987.0	2131.0	2131.0	2131.0	2131.0
MINDORO OCC.	22374	23955.0	24552.0	24696.0	24696.0	24696.0	24696.0
MINDORO OR.	20307	20782.0	21382.0	21608.0	21608.0	21608.0	21608.0
PALAWAN	14357	17760.0	18760.0	18963.0	18963.0	18963.0	18963.0
QUEZON	14743	15780.0	16380.0	16524.0	16524.0	16524.0	16524.0
RIZAL	3312	3920.0	4520.0	4664.0	4664.0	4664.0	4664.0
ROMBLON	1996	3201.0	3871.0	4015.0	4015.0	4015.0	4015.0
TOTAL	110192.5	124586.5	133455.5	135091.5	135091.5	135091.5	135091.5
V							
ALBAY	33853	35189.0	37485.0	38005.0	38005.0	38005.0	38005.0
CAMARINES NORTE	6084	8376.0	10746.0	11292.0	11292.0	11292.0	11292.0
CAMARINES SUR	56052.5	58749.5	66249.5	71805.5	71805.5	71805.5	71805.5
CATANDUANES	1890	3370.0	3370.0	3370.0	3370.0	3370.0	3370.0
MASBATE	4626	6351.0	8471.0	8967.0	8967.0	8967.0	8967.0
SORSOGON	10078	11794.0	13964.0	14518.0	14518.0	14518.0	14518.0
TOTAL	112583.5	123829.5	140285.5	147957.5	147957.5	147957.5	147957.5

Table 12 TOTAL IRRIGATION AREA (2/2)
(Low Economic Growth Scenario)

(UNIT: ha)

WATER RESOURCES REGION / PROVINCE	1996	2000	2005	2010	2015	2020	2025
VI							
AKLAN	7439	9910.0	10110.0	10510.0	10510.0	10510.0	10510.0
ANTIQUE	14305.5	17621.5	20965.5	21648.5	21648.5	21648.5	21648.5
CAPIZ	4207.5	7648.5	10442.5	11073.5	11073.5	11073.5	11073.5
Iloilo & Guimaras	35777.9	38020.9	43314.9	49009.9	49009.9	49009.9	49009.9
NEGROS OCC.***	16915.5	19977.5	36921.5	47702.5	47702.5	47702.5	47702.5
NEGROS OR.***	287	667.0	717.0	717.0	717.0	717.0	717.0
TOTAL	78932.4	93845.4	122771.4	140651.4	144667.4	144667.4	144667.4
VII							
			0.0				
BOHOL	10753.5	17420.5	23729.5	24151.5	24151.5	24151.5	24151.5
CEBU	3606	4932.0	6160.0	6160.0	6160.0	6160.0	6160.0
NEGROS OCC.***	717	761.0	936.0	936.0	936.0	936.0	936.0
NEGROS OR.*** & Siquijor	7894	9461.0	11688.0	12330.0	12330.0	12330.0	12330.0
TOTAL	22970.5	32574.5	42513.5	43577.5	43577.5	43577.5	43577.5
VIII							
BILIRAN & Northern Leyte	38386.5	40789.5	44291.5	44724.5	44724.5	44724.5	44724.5
SOUTHERN LEYTE	5360	5640.0	5690.0	5748.0	5748.0	5748.0	5748.0
EASTERN SAMAR	2331	5908.0	6495.0	6570.0	6570.0	6570.0	6570.0
NORTHERN SAMAR	3060	5807.0	12130.0	12375.0	12375.0	12375.0	12375.0
WESTERN SAMAR	1686	4043.0	5903.0	6338.0	6338.0	6338.0	6338.0
TOTAL	50823.5	62187.5	74509.5	75755.5	75755.5	75755.5	75755.5
IX							
BASILAN	186	186.0	186.0	186.0	186.0	186.0	186.0
MISAMIS OCC.	6130	6440.0	6440.0	6440.0	6440.0	6440.0	6440.0
SULU	150	150.0	150.0	150.0	150.0	150.0	150.0
TAWI-TAWI	11	11.0	11.0	11.0	11.0	11.0	11.0
ZAMBOANGA NORTE	5803	7590.0	10074.0	10818.0	10818.0	10818.0	10818.0
ZAMBOANGA SUR	28400.53	29994.5	32408.5	33072.5	33072.5	33072.5	33072.5
TOTAL	40680.5	44371.5	49269.5	50677.5	50677.5	50677.5	50677.5
X							
AGUSAN NORTE	9657	12778.0	22613.0	23225.0	23225.0	23225.0	23225.0
AGUSAN SUR	13578	14878.0	20581.0	21220.0	21220.0	21220.0	21220.0
BUKIDNON***	2738.7	3738.7	4738.7	4738.7	4738.7	4738.7	4738.7
CAMIGUIN & Misamis Or.	2758	4722.0	6434.0	6871.0	6871.0	6871.0	6871.0
DAVAO NORTE***	5628.5	6479.5	8442.5	8900.5	8900.5	8900.5	8900.5
SURIGAO DEL NORTE	6530	7727.0	12826.0	13403.0	13403.0	13403.0	13403.0
TOTAL	40890.2	50323.2	75635.2	78358.2	78358.2	78358.2	78358.2
XI							
DAVAO NORTE***	25630	25869.0	26269.0	26349.0	26349.0	26349.0	26349.0
DAVAO ORIENTAL	4331	6014.0	7896.0	8314.0	8314.0	8314.0	8314.0
DAVAO SUR	20401	21920.0	23856.0	24274.0	24274.0	24274.0	24274.0
SOUTH COTA*** & Sarangani	6045.5	6045.5	6260.5	6295.5	6295.5	6295.5	6295.5
SURIGAO SUR	7028	8805.0	11248.0	11805.0	11805.0	11805.0	11805.0
TOTAL	63435.5	68653.5	75529.5	77037.5	77037.5	77037.5	77037.5
XII							
BUKIDNON***	26367	28721.0	36883.0	37390.0	37390.0	37390.0	37390.0
LANAO DEL NORTE	14355	17835.0	18045.0	18072.0	18072.0	18072.0	18072.0
LANAO DEL SUR	3927	6394.0	14114.0	15233.0	15233.0	15233.0	15233.0
MAGUINDANAO	14075.7	24399.7	44403.7	45522.7	45522.7	45522.7	45522.7
NORTH COTABATO	31350.6	45762.6	69440.6	70988.6	70988.6	70988.6	70988.6
SOUTH COTABATO***	20695	21870.0	23603.0	24021.0	24021.0	24021.0	24021.0
SULTAN KUDARAT	29863.5	31016.5	33299.5	33811.5	33811.5	33811.5	33811.5
TOTAL	140633.8	175998.8	239788.8	245038.8	245038.8	245038.8	245038.8
GRAND TOTAL	1361703.1	1574756.1	1883749.1	1945883.1	1949889.1	1949889.1	1949889.1

Table F-13 TOTAL IRRIGATED AREA (High Economic Growth Scenario) (1/3)

UNIT : HECTARES

WATER RESOURCES REGION/PROVINCE	1996 ACTUAL			2000			2005			2010			2015			2020			2025		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I	10,296	8,546	18,843	11,534	9,782	21,316	13,208	11,408	24,616	13,687	14,447	28,134	14,447	14,447	28,894	14,560	17,113	28,673	14,673	17,226	28,899
ABRA	3,952	3,192	7,144	3,652	4,096	7,748	4,170	5,740	9,910	5,172	6,652	11,824	5,172	5,172	10,344	5,172	5,172	10,344	5,172	5,172	10,344
BENIGUET	35,680	14,189	49,872	36,296	21,985	58,281	41,743	28,027	69,770	44,303	31,644	75,947	44,303	44,303	88,606	46,540	35,024	81,564	47,486	36,302	83,788
LOCOS NORTE	14,445	3,263	17,708	15,322	15,165	30,487	26,984	23,470	50,454	27,035	23,591	50,626	27,035	27,035	54,070	27,035	24,415	51,445	27,789	24,415	52,204
LOCOS SUR	11,923	8,294	20,217	14,274	10,978	25,252	14,673	11,679	26,352	14,673	11,679	26,352	14,673	14,673	29,346	14,673	12,452	31,771	15,209	12,452	27,661
LA UNION	81,133	77,782	158,915	81,659	102,261	183,920	102,261	108,164	210,425	108,164	108,164	216,328	108,164	108,164	216,328	109,996	86,907	196,903	110,957	86,907	197,864
Subtotal	0	0	0	213	213	426	220	216	436	220	221	441	221	221	442	221	216	438	221	216	437
II	5,180	5,180	10,360	10,000	7,264	17,264	11,158	8,829	19,987	11,741	12,956	24,697	12,956	12,956	27,912	13,579	11,234	24,812	14,201	11,856	26,057
AURORA	5,180	5,180	10,360	10,000	7,264	17,264	11,158	8,829	19,987	11,741	12,956	24,697	12,956	12,956	27,912	13,579	11,234	24,812	14,201	11,856	26,057
BATAAN	6,542	6,542	13,084	12,805	9,011	21,816	14,816	11,655	26,471	14,816	16,371	31,187	16,371	16,371	32,742	17,008	14,346	31,354	17,008	14,346	31,354
IFUGAO	81,706	81,706	163,412	163,005	106,809	269,814	115,392	101,878	217,270	132,510	118,966	251,476	132,510	132,510	265,020	162,761	147,434	312,904	147,434	147,434	312,904
SAGAYAN	24,856	24,856	49,712	49,712	36,534	86,246	56,345	35,470	91,815	56,345	35,470	91,815	56,345	56,345	112,690	56,345	35,470	148,160	56,345	35,470	91,815
KALINGA-APAYAO	16,706	16,706	33,412	33,412	25,059	58,471	37,574	23,282	60,856	37,574	23,282	60,856	37,574	37,574	75,152	37,574	23,282	108,426	37,574	23,282	60,856
MT. PROVINCE	7,508	7,508	15,016	15,016	11,262	26,278	16,668	10,668	27,336	16,668	10,668	27,336	16,668	16,668	33,336	16,668	10,668	44,004	16,668	10,668	27,336
NUVA-VIZAYA	19,972	19,972	39,944	39,944	29,958	69,902	44,927	29,958	69,902	44,927	29,958	69,902	44,927	44,927	89,854	44,927	29,958	119,812	44,927	29,958	69,902
OURINGO	1,917	1,917	3,834	3,834	2,875	6,709	4,517	3,012	7,529	4,517	3,012	7,529	4,517	4,517	9,034	4,517	3,012	12,068	4,517	3,012	6,024
Subtotal	151,295	151,295	302,590	299,000	213,414	492,414	275,356	243,661	519,017	315,407	286,038	601,447	315,407	315,407	630,814	315,407	243,661	874,475	315,407	243,661	489,066
III	5,899	5,899	11,798	11,580	8,436	19,994	13,241	10,412	23,653	13,241	12,956	26,197	12,956	12,956	25,912	13,579	11,234	24,812	14,201	11,856	26,057
AURORA	5,899	5,899	11,798	11,580	8,436	19,994	13,241	10,412	23,653	13,241	12,956	26,197	12,956	12,956	25,912	13,579	11,234	24,812	14,201	11,856	26,057
BATAAN	6,542	6,542	13,084	12,805	9,011	21,816	14,816	11,655	26,471	14,816	16,371	31,187	16,371	16,371	32,742	17,008	14,346	31,354	17,008	14,346	31,354
BENIGUET	3,917	2,712	6,629	6,629	3,917	10,546	7,272	2,712	9,984	3,917	6,629	10,546	3,917	3,917	7,834	3,917	2,712	6,629	3,917	2,712	5,439
BULACAN	24,856	24,856	49,712	49,712	36,534	86,246	56,345	35,470	91,815	56,345	35,470	91,815	56,345	56,345	112,690	56,345	35,470	148,160	56,345	35,470	91,815
NUVA ECUA	100,819	64,376	165,195	127,499	105,843	233,342	175,145	151,106	326,251	184,585	160,446	345,031	184,585	184,585	369,170	184,585	136,435	505,605	184,585	136,435	321,020
PAMPANGA	8,867	9,207	18,074	36,327	29,860	66,186	37,326	31,480	68,806	37,326	31,480	68,806	37,326	37,326	74,652	37,326	25,552	100,204	37,326	25,552	62,878
PANGASINAN	69,796	31,834	101,630	86,798	66,236	153,034	125,305	106,101	231,406	133,246	114,987	248,233	133,246	133,246	266,492	133,246	92,416	358,908	133,246	92,416	245,662
TARLAC	15,013	7,506	22,519	20,462	15,346	35,808	20,462	15,346	40,812	20,462	15,346	40,812	20,462	20,462	40,924	20,462	15,346	66,810	20,462	15,346	40,924
ZAMBALES	4,635	3,404	8,039	15,054	12,545	27,599	20,007	17,602	37,609	27,519	20,014	47,533	27,519	27,519	55,038	27,519	20,014	82,552	27,519	20,014	47,533
Subtotal	239,543	168,265	397,808	399,827	294,272	654,098	461,917	395,156	857,073	494,231	427,476	921,701	494,231	494,231	988,462	494,231	368,714	1,356,354	494,231	368,714	727,468
IV	3,160	3,046	6,206	4,370	4,246	8,616	7,320	7,206	14,526	7,630	7,517	15,147	7,630	7,630	15,264	7,630	6,011	31,275	7,630	6,011	13,641
DATANGAS	3,160	3,046	6,206	4,370	4,246	8,616	7,320	7,206	14,526	7,630	7,517	15,147	7,630	7,630	15,264	7,630	6,011	31,275	7,630	6,011	13,641
CAVITE	8,174	4,107	12,281	11,998	10,233	22,231	13,173	10,865	24,038	14,628	12,339	26,967	14,628	14,628	29,256	14,628	11,174	50,430	14,628	11,174	25,802
LAGUNA	11,184	10,844	22,028	17,975	16,155	34,130	16,375	16,756	33,131	16,375	16,756	33,131	16,375	16,375	32,750	16,375	12,271	45,021	16,375	12,271	28,646
MARINDUQUE	202	213	415	1,150	910	2,060	1,783	1,579	3,362	1,935	1,731	3,666	1,935	1,935	3,870	1,935	1,464	5,334	1,935	1,464	2,899
MINDORO OCC.	8,008	5,987	14,005	14,837	11,843	26,680	16,021	15,002	31,023	20,526	17,506	38,032	20,526	20,526	41,052	20,526	15,391	56,443	20,526	15,391	31,917
MINDORO ORI.	16,516	12,419	28,935	21,874	17,406	39,280	23,366	18,956	42,322	28,455	24,081	52,536	28,455	28,455	56,910	28,455	21,613	78,523	28,455	21,613	50,066
PALAWAN	7,174	4,962	12,136	13,454	13,814	27,268	30,427	16,352	46,779	16,352	15,184	31,536	16,352	16,352	32,704	16,352	12,262	44,964	16,352	12,262	28,614
QUEZON	12,648	11,624	24,272	24,373	14,212	38,585	14,944	13,161	28,105	16,657	14,875	31,532	16,657	16,657	33,314	16,657	12,490	45,804	16,657	12,490	29,147
RIZAL	2,353	1,714	4,067	3,151	2,370	5,521	3,058	2,370	5,428	3,058	2,370	4,728	3,058	3,058	6,116	3,058	2,370	8,486	3,058	2,370	4,728
ROMBLON	1,437	1,256	2,693	2,461	2,205	4,666	2,461	2,205	4,666	2,461	2,205	4,666	2,461	2,461	4,922	2,461	1,846	6,768	2,461	1,846	4,612
Subtotal	72,244	56,070	128,314	107,247	90,052	197,299	119,203	101,565	220,768	136,336	118,760	255,037	136,336	136,336	272,672	136,336	101,565	544,901	136,336	101,565	237,901

Table F-13 TOTAL IRRIGATED AREA (High Economic Growth Scenario) (2/3)

WATER RESOURCES REGION/PROVINCE	1996 ACTUAL						2000						2005						2010						2015						2020						2025					
	Wet		Dry		Total		Wet		Dry		Total		Wet		Dry		Total		Wet		Dry		Total		Wet		Dry		Total		Wet		Dry		Total							
	Wet	Dry	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total										
ALBAY	24,752	20,070	44,822	27,780	20,886	31,101	24,187	55,297	33,923	27,019	60,941	38,098	30,271	68,369	42,489	35,691	78,180	45,929	38,167	84,096	47,489	38,098	85,587	45,929	38,167	84,096	47,489	38,098	85,587	45,929	38,167	84,096										
CAMARINES NORTE	3,478	3,310	6,788	7,435	6,584	14,029	9,912	19,103	12,074	13,079	25,153	14,579	13,079	27,658	16,935	16,189	33,124	28,406	16,935	35,341	16,935	16,189	33,124	16,935	16,189	33,124	16,935	16,189	33,124	16,935	16,189	33,124										
CAMARINES SUR	30,600	23,302	53,902	47,353	36,299	63,642	46,416	103,208	69,527	59,161	128,688	81,178	72,845	154,023	94,019	63,684	157,703	104,868	94,019	188,887	94,019	63,684	157,703	104,868	94,019	63,684	157,703	104,868	94,019	63,684	157,703											
CATANDUANS	590	391	981	2,931	2,486	5,417	2,982	5,606	3,047	2,659	5,706	3,025	2,847	5,872	3,009	2,801	5,810	3,393	3,009	6,402	3,009	2,801	5,810	3,393	3,009	6,402	3,009	2,801	5,810	3,393	3,009	6,402										
WASBATA	1,014	714	1,728	5,277	4,185	9,462	7,546	14,106	12,065	8,629	20,694	15,182	11,136	26,318	14,344	11,494	25,838	27,783	14,344	32,127	14,344	11,494	25,838	27,783	14,344	11,494	25,838	27,783	14,344	11,494	25,838											
SORSOGON	4,194	3,413	7,607	9,525	7,316	16,841	12,058	22,157	17,703	10,703	28,406	15,328	11,373	26,701	13,650	11,494	25,144	13,650	11,494	25,144	13,650	11,494	25,144	13,650	11,494	25,144	13,650	11,494	25,144	13,650	11,494	25,144										
Subtotal	64,630	51,198	115,828	100,343	77,767	178,110	99,126	219,536	140,787	119,403	260,290	165,365	144,254	309,619	194,530	163,406	357,936	203,874	163,406	367,280	194,530	163,406	357,936	203,874	163,406	357,936	203,874	163,406	357,936	203,874	163,406	357,936										
VI	5,990	5,797	11,787	6,701	8,208	14,909	9,404	16,172	9,504	8,860	18,372	9,876	8,952	18,828	9,876	8,952	18,828	16,968	9,876	26,804	9,876	8,952	18,828	16,968	9,876	8,952	18,828	16,968	9,876	8,952	18,828											
LAGAN	5,990	5,797	11,787	6,701	8,208	14,909	9,404	16,172	9,504	8,860	18,372	9,876	8,952	18,828	9,876	8,952	18,828	16,968	9,876	26,804	9,876	8,952	18,828	16,968	9,876	8,952	18,828	16,968	9,876	8,952	18,828											
ANTIQUE	12,000	9,433	21,433	15,336	13,611	28,947	18,864	36,019	19,873	18,165	38,038	20,633	19,016	39,649	21,339	19,512	40,851	40,840	21,339	62,179	21,339	19,512	40,851	40,840	21,339	19,512	40,851	40,840	21,339	19,512	40,851											
CARLA	1,831	1,831	3,662	4,099	3,258	7,357	5,357	12,714	6,444	6,044	12,488	6,044	5,554	11,598	6,044	5,554	11,598	7,598	6,044	13,642	6,044	5,554	11,598	7,598	6,044	5,554	11,598	7,598	6,044	5,554	11,598											
ILONOG-QUINAS	25,987	16,103	42,090	32,153	26,516	58,670	34,805	71,246	46,123	41,261	87,384	55,374	49,541	104,915	60,835	55,003	115,838	66,298	60,835	127,133	60,835	55,003	115,838	66,298	60,835	55,003	115,838	66,298	60,835	55,003	115,838											
NEGROS OCC.	12,000	10,413	22,413	17,381	15,011	32,392	24,886	47,278	28,890	24,645	53,535	29,332	25,402	54,734	29,332	25,402	54,734	64,480	29,332	93,812	29,332	25,402	54,734	64,480	29,332	25,402	54,734	64,480	29,332	25,402	54,734											
NEGROS OR.	856	687	1,543	1,236	1,057	2,292	1,112	2,407	1,286	1,117	2,403	1,286	1,117	2,402	1,286	1,117	2,402	2,402	1,286	3,688	1,286	1,117	2,402	2,402	1,286	1,117	2,402	1,286	1,117	2,402												
Subtotal	58,254	44,686	102,940	81,614	70,634	152,247	113,087	213,551	130,516	128,893	259,409	153,562	141,430	294,992	164,678	152,796	317,474	170,294	164,678	332,172	164,678	152,796	317,474	170,294	164,678	152,796	317,474	170,294	164,678	152,796	317,474											
VII	7,132	5,000	12,132	14,925	12,205	27,314	21,579	41,007	22,824	20,673	43,496	24,602	22,451	47,053	25,942	23,691	49,633	27,003	24,602	71,635	24,602	22,451	47,053	27,003	24,602	22,451	47,053	27,003	24,602	22,451	47,053											
BOHOL	7,132	5,000	12,132	14,925	12,205	27,314	21,579	41,007	22,824	20,673	43,496	24,602	22,451	47,053	25,942	23,691	49,633	27,003	24,602	71,635	24,602	22,451	47,053	27,003	24,602	22,451	47,053	27,003	24,602	22,451	47,053											
CEBU	1,423	1,423	2,846	4,095	3,245	7,340	5,439	10,156	5,439	4,718	10,156	5,439	4,718	10,156	5,439	4,718	10,156	10,156	5,439	15,595	5,439	4,718	10,156	10,156	5,439	4,718	10,156	5,439	4,718	10,156												
NEGROS OCC.	70	40	110	139	595	250	700	1,442	1,003	970	1,973	1,903	1,364	2,871	1,915	1,772	3,686	2,304	1,915	4,299	1,915	1,772	3,686	2,304	1,915	1,772	3,686	2,304	1,915	1,772	3,686											
NEGROS OR.	4,709	4,464	9,173	7,177	6,031	13,156	9,547	17,844	10,476	9,148	19,624	11,210	9,782	20,992	11,500	10,134	21,634	11,500	9,782	21,282	11,500	10,134	21,634	11,500	9,782	10,134	21,634	11,500	9,782	10,134	21,634											
Subtotal	13,423	10,966	24,409	26,742	22,090	48,831	37,397	70,445	39,801	35,457	75,258	42,836	38,475	81,413	44,859	40,485	85,345	46,980	44,859	132,222	44,859	40,485	81,413	46,980	44,859	40,485	81,413	46,980	44,859	40,485	81,413											
VIII	21,710	20,007	41,717	33,672	26,774	60,446	38,368	70,700	40,310	31,775	72,085	44,332	37,977	82,309	46,606	40,230	86,836	46,606	44,332	131,138	46,606	40,230	82,309	46,606	44,332	82,309	46,606	44,332	82,309	46,606	44,332											
LEYTE-SURAN	21,710	20,007	41,717	33,672	26,774	60,446	38,368	70,700	40,310	31,775	72,085	44,332	37,977	82,309	46,606	40,230	86,836	46,606	44,332	131,138	46,606	40,230	82,309	46,606	44,332	82,309	46,606	44,332	82,309	46,606	44,332											
SO. LEYTE	3,584	3,652	7,236	4,466	3,932	8,419	4,595	8,976	4,753	4,041	8,794	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041											
EASTERN SAMAR	1,012	500	1,512	5,367	4,917	10,284	6,029	11,591	6,104	5,638	11,741	6,220	5,754	11,974	6,220	5,754	11,974	6,220	5,754	11,974	6,220	5,754	11,974	6,220	5,754	11,974	6,220	5,754	11,974	6,220	5,754											
NORTHERN SAMAR	400	204	604	5,097	4,375	9,472	11,918	22,478	11,743	11,151	22,894	11,916	11,304	23,220	11,916	11,304	23,220	11,916	11,304	23,220	11,916	11,304	23,220	11,916	11,304	23,220	11,916	11,304	23,220	11,916	11,304	23,220										
WESTERN SAMAR	242	317	559	3,552	3,254	6,806	5,560	10,794	6,250	5,913	12,164	6,324	5,324	11,648	6,324	5,324	11,648	6,324	5,324	11,648	6,324	5,324	11,648	6,324	5,324	11,648	6,324	5,324	11,648	6,324	5,324											
Subtotal	27,536	24,775	52,311	52,273	43,153	95,427	66,176	121,698	69,181	60,518	129,699	74,182	65,450	139,632	76,634	68,102	144,736	76,634	68,102	144,736	76,634	68,102	144,736	76,634	68,102	144,736	76,634	68,102	144,736	76,634	68,102											
IX	130	130	260	143	130	273	149	270	181	162	344	238	211	451	298	260	558	337	298	655	298	260	558	337	298	260	558	337	298	260	558											
DAKLAN	130	130	260	143	130	273	149	270	181	162	344	238	211	451	298	260	558	337	298	655	298	260	558	337	298	260	558	337	298	260	558											
MICANIS OCC.	4,688	4,670	9,358	4,998	4,980	9,978	4,998	9,978	4,998	4,980	9,978	4,998	4,980	9,978	4,998	4,980	9,978	4,998	4,980	9,978	4,998	4,980	9,978	4,998	4,980	9,978	4,998	4,980	9,978	4,998	4,980											
SULU	80	80	160	115	80	195	120	210	120	90	210	120	90																													

Table F-13 TOTAL IRRIGATED AREA (High Economic Growth Scenario) (3/3)

WATER RESOURCES REGION/PROVINCE	1996 ACTUAL				2005				2010				2015				2020				2025			
	Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry	
	Total	Wet	Total	Dry	Total	Wet	Total	Dry	Total	Wet	Total	Dry	Total	Wet	Total	Dry	Total	Wet	Total	Dry	Total	Wet	Total	
X																								
AGUSAN DEL NORTE	3,841	2,992	6,833	19,778	40,171	25,689	23,834	49,504	32,209	30,694	62,759	38,378	36,607	74,985	44,491	42,720	87,211	48,985	46,895	95,880	58,880	56,939	115,819	65,819
AGUSAN DEL SUR	9,044	8,492	17,537	25,114	37,109	24,626	23,924	48,149	32,427	31,177	63,604	39,785	38,506	78,291	47,145	45,895	94,036	50,040	48,790	98,830	61,630	59,939	121,569	
BUKIDNON	529	494	1,023	5,202	7,448	4,203	3,890	8,273	5,178	4,952	10,130	5,751	5,258	10,988	6,373	6,160	12,533	6,546	6,336	12,882	7,882	7,672	15,554	
MISAMIS OR. CAMRIGUIN	1,264	1,400	2,664	7,313	11,210	7,307	6,765	14,073	8,924	8,493	17,417	10,423	9,672	20,095	11,912	11,301	23,213	12,824	12,213	25,037	14,037	13,426	28,463	
DAVAO DEL NORTE	5,455	5,350	10,805	12,603	16,904	10,401	9,629	20,276	12,386	11,544	24,027	14,197	13,465	27,662	16,015	15,269	32,931	17,284	16,538	33,822	19,822	19,074	38,896	
SURIGAO DEL NORTE	4,164	2,903	7,067	10,883	21,124	12,097	10,791	22,886	12,424	11,116	23,541	12,474	11,119	23,591	13,584	12,837	26,421	14,617	13,870	28,487	15,747	14,997	33,744	
Subtotal	24,787	21,831	46,618	81,000	134,870	84,487	78,620	163,103	103,954	97,449	201,012	120,960	114,846	235,806	138,267	132,747	279,600	151,267	144,682	315,949	196,949	191,876	388,825	
XI																								
DAVAO DEL NORTE	26,845	23,260	49,814	50,990	51,909	35,709	31,558	67,266	47,576	42,867	90,487	59,935	54,377	113,373	70,346	65,788	139,161	80,692	76,904	157,596	101,596	97,818	199,414	
DAVAO ORIENTAL	2,886	2,839	5,724	10,716	14,700	9,298	8,658	18,156	11,883	10,943	22,326	13,356	12,918	26,277	15,334	14,604	30,881	18,168	17,464	35,632	21,632	20,927	42,559	
DAVAO SUR-SARANGGANI	14,502	14,037	28,539	34,214	39,116	22,777	19,726	42,447	25,322	23,258	41,646	27,203	24,207	51,410	29,084	26,049	57,459	32,168	30,119	62,287	38,287	36,340	74,627	
SOUTH COTABATO	4,976	4,405	9,381	10,035	10,368	6,418	5,926	12,343	7,288	6,811	14,107	8,665	8,054	16,722	9,937	9,483	19,409	11,874	11,391	23,265	14,485	13,906	28,191	
SURIGAO DEL SUR	4,730	4,332	9,062	14,991	14,991	9,648	9,252	19,259	11,451	10,753	22,212	13,168	12,421	25,583	15,299	14,552	30,235	18,758	18,006	36,764	22,764	22,058	44,822	
Subtotal	53,741	48,862	102,602	127,005	137,006	91,755	81,278	172,833	117,817	107,578	225,393	140,551	132,011	274,862	167,265	157,643	324,330	193,643	184,643	378,265	240,265	481,009		
XII																								
BUKIDNON	10,330	17,858	33,711	25,477	23,487	40,670	38,057	76,777	50,434	47,546	97,979	69,330	66,442	115,777	68,227	65,338	134,065	83,565	80,677	164,242	104,242	101,354	205,596	
LANAO DEL NORTE	10,382	6,169	18,571	14,918	14,918	15,631	13,062	28,718	16,369	13,723	30,087	16,369	13,723	30,087	16,369	13,723	30,087	16,369	13,723	30,087	16,369	13,723	30,087	
LANAO DEL SUR	953	618	1,571	10,764	13,579	5,051	5,051	37,540	25,977	23,256	51,333	32,672	32,011	64,683	39,247	36,646	75,890	45,893	43,247	89,140	52,140	50,493	102,633	
MACJUNDIAYO	6,278	4,806	11,084	20,717	17,927	38,643	41,065	99,522	64,803	62,832	127,155	78,065	75,634	153,719	91,297	88,918	182,196	110,196	107,287	217,483	137,483	134,574	272,057	
NORTH COTABATO	24,718	20,310	45,029	42,235	39,978	72,966	72,716	150,682	93,919	89,851	182,771	108,618	103,551	212,169	123,318	118,750	241,069	141,069	137,180	278,269	178,269	174,380	352,660	
SOUTH COTABATO	32,829	18,442	51,271	35,734	26,603	62,337	62,337	124,674	78,674	74,674	149,348	87,348	82,348	164,696	101,348	96,348	192,696	118,696	114,696	229,392	144,392	140,744	281,488	
SOUTH COTABATO	8,827	6,803	15,630	11,773	8,966	17,739	17,739	35,478	22,478	21,478	42,956	27,478	26,478	53,956	33,478	32,478	64,956	40,478	39,478	78,956	50,478	49,478	98,956	
SULU-TAU-KUDIRAT	99,790	77,077	176,867	136,566	136,566	202,720	202,720	405,440	268,720	258,720	517,440	328,720	318,720	637,440	408,720	398,720	797,440	517,440	507,440	1,014,880	674,880	664,880	1,329,760	
Subtotal	922,988	718,987	1,641,985	1,357,071	1,357,071	2,022,144	2,022,144	4,044,288	2,684,288	2,634,288	5,368,576	3,368,576	3,268,576	6,637,152	4,368,576	4,268,576	8,536,304	5,637,152	5,537,152	11,074,304	7,374,304	7,274,304	14,548,608	
TOTAL																								

Table F-14 TOTAL IRRIGATED AREA (Low Economic Growth Scenario) (1/3)

WATER RESOURCES REGION/PROVINCE	1996 ACTUAL						2000						2010						2015						2020						2025					
	Wet			Dry			Wet			Dry			Wet			Dry			Wet			Dry			Wet			Dry			Wet			Dry		
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total						
ABRA	10,298	9,769	18,643	11,534	9,708	11,408	24,816	11,812	10,412	25,424	11,812	10,412	25,424	11,812	10,412	25,424	11,812	10,412	25,424	11,812	10,412	25,424	11,812	10,412	25,424	11,812	10,412	25,424	11,812	10,412	25,424					
BENGUET	3,419	3,463	9,781	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652	4,120	9,772	5,652					
LOCOS NORTE	35,683	14,189	49,872	36,296	21,586	20,922	20,965	43,143	30,922	24,866	24,866	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979	44,032	26,979					
ILOCOS SUR	14,445	3,703	17,728	19,372	15,103	34,667	26,984	27,035	23,571	50,586	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035	27,035					
LA UNION	11,923	8,234	20,177	10,978	14,673	26,352	14,673	11,079	11,079	26,352	14,673	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079	11,079					
Subtotal	77,767	34,133	114,900	87,282	61,025	148,887	102,261	79,590	181,850	104,718	82,054	186,770	107,108	86,110	193,218	107,108	86,110	193,218	107,108	86,110	193,218	107,108	86,110	193,218	107,108	86,110	193,218	107,108	86,110	193,218						
I																																				
BATANES	0	0	0	213	213	433	213	213	433	213	213	433	213	213	433	213	213	433	213	213	433	213	213	433	213	213	433	213	213	433	213					
CAGAYAN	29,907	32,780	62,790	52,818	46,344	98,962	59,802	52,934	112,736	60,958	54,088	115,046	60,958	54,088	115,046	60,958	54,088	115,046	60,958	54,088	115,046	60,958	54,088	115,046	60,958	54,088	115,046	60,958	54,088	115,046						
PUGUAO	3,775	3,731	7,506	5,870	7,948	10,029	14,575	6,829	10,244	10,244	7,080	16,330	8,708	7,390	16,098	8,708	7,390	16,098	8,708	7,390	16,098	8,708	7,390	16,098	8,708	7,390	16,098	8,708	7,390	16,098						
ICABAGA	8,176	8,299	16,065	106,009	90,082	202,691	115,392	101,878	217,269	116,547	103,033	219,579	122,130	107,403	229,534	122,130	107,403	229,534	122,130	107,403	229,534	122,130	107,403	229,534	122,130	107,403	229,534	122,130	107,403	229,534						
MALINGA-APAYAO	16,296	15,040	31,345	30,595	23,948	56,543	33,470	28,451	61,920	33,901	28,880	62,780	35,287	30,819	65,906	35,287	30,819	65,906	35,287	30,819	65,906	35,287	30,819	65,906	35,287	30,819	65,906	35,287	30,819	65,906						
M.T. PROVINCE	7,560	7,570	15,130	9,826	9,827	19,653	10,086	10,087	20,173	10,156	10,157	20,313	10,156	10,157	20,313	10,156	10,157	20,313	10,156	10,157	20,313	10,156	10,157	20,313	10,156	10,157	20,313	10,156	10,157	20,313						
NUEGA VIZCAYA	19,975	19,222	38,197	23,820	22,687	46,487	31,643	29,880	61,533	36,298	34,545	70,843	36,907	34,545	71,452	36,907	34,545	71,452	36,907	34,545	71,452	36,907	34,545	71,452	36,907	34,545	71,452	36,907	34,545	71,452						
OURING	1,917	1,958	3,874	9,334	9,334	14,800	13,908	20,708	20,708	15,955	15,955	31,916	16,178	15,286	31,464	16,178	15,286	31,464	16,178	15,286	31,464	16,178	15,286	31,464	16,178	15,286	31,464	16,178	15,286	31,464						
Subtotal	161,295	168,627	321,922	239,000	213,414	462,414	273,559	243,981	517,540	282,329	253,024	535,416	293,127	261,984	555,111	293,127	261,984	555,111	293,127	261,984	555,111	293,127	261,984	555,111	293,127	261,984	555,111	293,127	261,984							
II																																				
AURORA	5,999	5,190	11,080	10,000	7,284	17,284	11,158	8,879	19,987	11,228	8,989	20,327	11,970	9,575	21,496	11,970	9,575	21,496	11,970	9,575	21,496	11,970	9,575	21,496	11,970	9,575	21,496	11,970	9,575	21,496						
BATAAN	5,547	5,463	12,010	9,011	7,837	16,843	10,244	9,165	19,409	10,244	9,165	19,409	10,244	9,165	19,409	10,244	9,165	19,409	10,244	9,165	19,409	10,244	9,165	19,409	10,244	9,165	19,409	10,244	9,165	19,409						
BENGUET	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629	3,917	2,712	6,629						
BULACAN	24,056	29,585	53,641	35,932	37,599	73,531	34,416	37,872	72,288	34,732	38,198	72,930	40,163	35,128	75,291	40,163	35,128	75,291	40,163	35,128	75,291	40,163	35,128	75,291	40,163	35,128	75,291	40,163	35,128	75,291						
NUEGA ECLA	100,818	64,328	165,144	127,470	105,643	233,063	175,146	151,104	326,251	161,461	157,422	318,883	166,799	160,997	327,796	166,799	160,997	327,796	166,799	160,997	327,796	166,799	160,997	327,796	166,799	160,997	327,796	166,799	160,997	327,796						
PANGASINAN	8,887	9,207	18,074	36,332	29,860	66,192	37,205	31,480	68,685	37,328	31,480	68,808	38,910	33,081	71,991	38,910	33,081	71,991	38,910	33,081	71,991	38,910	33,081	71,991	38,910	33,081	71,991	38,910	33,081	71,991						
TARLAC	69,796	31,834	101,631	86,298	66,236	152,034	125,305	106,101	231,406	128,120	108,916	237,036	133,142	114,579	247,671	133,142	114,579	247,671	133,142	114,579	247,671	133,142	114,579	247,671	133,142	114,579	247,671	133,142	114,579	247,671						
ZAMBALTES	15,013	7,534	22,546	36,232	29,402	65,634	40,941	33,846	74,786	41,257	34,162	75,418	42,200	36,556	78,756	42,200	36,556	78,756	42,200	36,556	78,756	42,200	36,556	78,756	42,200	36,556	78,756	42,200	36,556	78,756						
Subtotal	239,553	158,295	387,808	359,822	294,372	654,098	461,817	395,156	857,075	472,166	405,405	877,571	489,308	425,382	914,690	489,308	425,382	914,690	489,308	425,382	914,690	489,308	425,382	914,690	489,308	425,382	914,690	489,308	425,382							
IV																																				
BATAANGAS	3,160	3,046	6,206	4,370	4,256	8,626	2,935	2,906	5,841	7,464	7,350	14,814	7,585	7,350	14,935	7,585	7,350	14,935	7,585	7,350	14,935	7,585	7,350	14,935	7,585	7,350	14,935	7,585	7,350							
CAVITE	8,734	4,107	12,841	11,986	10,233	22,219	13,172	10,885	24,059	15,372	11,864	27,236	14,027	12,000	26,027	14,027	12,000	26,027	14,027	12,000	26,027	14,027	12,000	26,027	14,027	12,000	26,027	14,027	12,000	26,027						
LAGUNA	11,184	10,844	22,028	17,326	16,155	33,481	18,325	16,755	35,080	18,519	16,899	35,418	19,019	17,599	36,618	19,019	17,599	36,618	19,019	17,599	36,618	19,019	17,599	36,618	19,019	17,599	36,618	19,019	17,599	36,618						
MARICORQUE	287	213	500	1,150	2,060	2,060	1,783	1,927	3,710	1,978	2,223	4,201	1,978	1,774	3,752	1,978	1,774	3,752	1,978	1,774	3,752	1,978	1,774	3,752	1,978	1,774	3,752	1,978	1,774	3,752						
MINDORO OCC.	8,095	5,987	14,082	14,832	14,832	29,664	15,021	13,002	28,023	16,165	13,146	29,311	16,980	14,122	31,102	16,980	14,122	31,102	16,980	14,122	31,102	16,980	14,122	31,102	16,980	14,122	31,102	16,980	14,122	31,102						
MINDORO ORI.	16,916	12,418	29,334	21,874	17,406	39,280	23,026	20,592	43,618	23,592	19,218	42,810	24,911	20,506	45,417	24,911	20,506	45,417	24,911	20,506	45,417	24,911	20,506	45,417	24,911	20,506	45,417	24,911	20,506	45,417						
PALAWAN	7,174	4,080	11,254	15,054	11,837	26,891	16,612	13,614	30,226																											

Table F-14 TOTAL IRRIGATED AREA (Low Economic Growth Scenario) (2/3)

UNIT: HECTARES

WATER RESOURCES REGION/PROVINCE	1996 ACTUAL				2000				2005				2010				2015				2020				2025							
	Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry		Wet		Dry	
	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total	Wet	Dry	Total		
V	24,795	20,870	45,665	27,780	20,885	48,665	44,822	31,191	24,197	55,297	36,316	79,539	33,216	26,448	59,664	33,216	26,448	59,664	33,216	26,448	59,664	33,216	26,448	59,664	33,216	26,448	59,664	33,216	26,448	59,664		
ALBAY	3,426	3,310	6,737	7,435	6,944	14,029	6,737	9,912	9,191	19,103	6,009	12,720	10,654	9,904	20,558	10,654	9,904	20,558	10,654	9,904	20,558	10,654	9,904	20,558	10,654	9,904	20,558	10,654	9,904	20,558		
CAMARINES NORTE	30,600	20,302	50,902	63,652	36,209	63,652	56,791	46,415	46,415	103,206	60,535	40,589	65,150	54,915	119,955	65,150	54,915	119,955	65,150	54,915	119,955	65,150	54,915	119,955	65,150	54,915	119,955	65,150	54,915	119,955		
CAMARINES SUR	640	391	1,031	2,693	2,466	5,159	2,693	2,992	2,614	5,307	3,815	11,526	5,592	2,709	8,305	3,815	2,709	6,524	3,815	2,709	6,524	3,815	2,709	6,524	3,815	2,709	6,524	3,815	2,709	6,524		
CATMOJANES	1,014	714	1,728	5,277	4,106	9,464	5,277	7,546	6,971	14,102	39,075	39,150	8,273	7,349	15,621	8,273	7,349	15,621	8,273	7,349	15,621	8,273	7,349	15,621	8,273	7,349	15,621	8,273	7,349	15,621		
MASBATE	4,196	3,413	7,609	9,545	7,316	16,861	7,609	12,068	10,969	22,157	6,203	14,285	13,126	11,171	24,297	13,126	11,171	24,297	13,126	11,171	24,297	13,126	11,171	24,297	13,126	11,171	24,297	13,126	11,171	24,297		
SORSOGON	64,630	51,199	115,830	100,343	77,767	178,110	120,410	99,126	99,126	219,536	132,896	132,896	132,896	112,354	245,250	132,896	112,354	245,250	132,896	112,354	245,250	132,896	112,354	245,250	132,896	112,354	245,250	132,896	112,354	245,250		
Subtotal	5,980	5,797	11,777	8,201	6,268	16,969	11,777	13,904	7,168	18,172	12,953	26,982	9,876	8,932	18,808	9,876	8,932	18,808	9,876	8,932	18,808	9,876	8,932	18,808	9,876	8,932	18,808	9,876	8,932	18,808		
VI	12,030	9,833	21,853	15,336	13,011	29,147	12,030	18,804	17,155	36,019	25,636	23,777	49,162	20,009	18,192	38,201	20,009	18,192	38,201	20,009	18,192	38,201	20,009	18,192	38,201	20,009	18,192	38,201	20,009	18,192	38,201	
AGULAN	2,256	1,031	3,287	6,903	5,961	12,864	3,287	3,743	6,030	18,688	34,296	33,466	67,792	10,585	9,814	20,399	10,585	9,814	20,399	10,585	9,814	20,399	10,585	9,814	20,399	10,585	9,814	20,399	10,585	9,814	20,399	
AGULAN	25,087	18,123	43,210	32,133	26,515	58,670	38,805	39,443	39,443	71,248	31,098	57,034	46,288	40,455	86,743	46,288	40,455	86,743	46,288	40,455	86,743	46,288	40,455	86,743	46,288	40,455	86,743	46,288	40,455	86,743		
ILIKO-GUIMARAS	12,055	10,415	22,470	17,385	15,011	32,396	34,995	32,037	76,029	73,769	150,469	46,613	43,953	20,566	46,613	43,953	20,566	46,613	43,953	20,566	46,613	43,953	20,566	46,613	43,953	20,566	46,613	43,953	20,566	46,613		
NEGROS OCC.	856	687	1,543	1,236	1,067	2,303	1,543	1,117	1,262	2,492	687	1,542	1,286	1,117	2,402	1,286	1,117	2,402	1,286	1,117	2,402	1,286	1,117	2,402	1,286	1,117	2,402	1,286	1,117	2,402		
NEGROS OR.	56,756	44,686	107,942	81,614	70,634	169,247	113,087	100,464	100,464	210,551	182,292	182,292	351,961	134,657	122,525	257,181	134,657	122,525	257,181	134,657	122,525	257,181	134,657	122,525	257,181	134,657	122,525	257,181	134,657	122,525	257,181	
Subtotal	7,132	5,900	12,132	14,025	12,349	27,314	21,579	21,579	19,428	41,007	6,671	15,493	5,619	4,898	10,517	5,619	4,898	10,517	5,619	4,898	10,517	5,619	4,898	10,517	5,619	4,898	10,517	5,619	4,898	10,517		
BOHOL	1,423	1,463	2,886	4,095	3,245	7,340	3,245	5,039	4,718	10,156	7,321	15,920	8,228	6,85	15,14	8,228	6,85	15,14	8,228	6,85	15,14	8,228	6,85	15,14	8,228	6,85	15,14	8,228	6,85	15,14	8,228	
CEBU	79	60	139	595	429	1,020	799	1,442	1,442	21,027	42,218	328	685	1,514	1,514	328	685	1,514	328	685	1,514	328	685	1,514	328	685	1,514	328	685	1,514	328	
NEGROS OCC.	4,789	4,664	9,252	7,122	6,031	13,156	9,597	8,258	8,258	17,844	5,793	4,464	10,258	10,591	9,143	19,734	10,591	9,143	19,734	10,591	9,143	19,734	10,591	9,143	19,734	10,591	9,143	19,734	10,591	9,143	19,734	
NEGROS OR.	10,423	10,966	24,409	26,742	27,980	48,631	37,397	33,052	33,052	70,449	38,771	61,887	39,577	35,113	74,690	39,577	35,113	74,690	39,577	35,113	74,690	39,577	35,113	74,690	39,577	35,113	74,690	39,577	35,113	74,690		
Subtotal	21,710	20,007	41,717	33,672	26,774	60,446	38,268	38,268	31,833	70,200	30,167	66,909	40,547	34,192	74,739	40,547	34,192	74,739	40,547	34,192	74,739	40,547	34,192	74,739	40,547	34,192	74,739	40,547	34,192	74,739		
LEYTE-BILIRAN	3,994	3,853	7,647	4,466	4,055	8,419	4,055	3,983	3,983	8,618	13,690	12,968	26,646	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	5,002	4,041	9,043	
SO. LEYTE	1,012	500	1,512	5,302	4,817	10,119	5,029	5,563	5,563	6,051	12,561	12,561	6,220	5,754	11,975	6,220	5,754	11,975	6,220	5,754	11,975	6,220	5,754	11,975	6,220	5,754	11,975	6,220	5,754	11,975		
EASTERN SAMAR	480	284	764	5,092	4,375	9,472	11,518	11,518	10,906	26,768	54,148	11,918	11,304	23,220	11,918	11,304	23,220	11,918	11,304	23,220	11,918	11,304	23,220	11,918	11,304	23,220	11,918	11,304	23,220	11,918	11,304	23,220
NORTHERN SAMAR	342	331	673	3,652	3,254	6,906	5,566	5,279	5,279	10,794	1,940	2,360	6,085	5,740	11,833	6,085	5,740	11,833	6,085	5,740	11,833	6,085	5,740	11,833	6,085	5,740	11,833	6,085	5,740	11,833		
WESTERN SAMAR	27,536	24,775	52,311	52,273	43,153	96,427	66,176	67,513	67,513	173,698	85,028	162,952	69,720	61,039	130,759	69,720	61,039	130,759	69,720	61,039	130,759	69,720	61,039	130,759	69,720	61,039	130,759	69,720	61,039	130,759		
Subtotal	130	130	260	143	130	273	143	130	130	270	130	279	150	130	280	150	130	280	150	130	280	150	130	280	150	130	280	150	130	280		
BASILAN	4,698	4,670	9,356	4,996	4,996	9,978	4,996	4,996	4,996	9,978	4,996	9,978	4,996	4,996	9,978	4,996	4,996	9,978	4,996	4,996	9,978	4,996	4,996	9,978	4,996	4,996	9,978	4,996	4,996	9,978		
MISAMIS OCC.	115	80	195	115	80	195	115	120	120	240	120	240	120	120	240	120	120	240	120	120	240	120	120	240	120	120	240	120	120	240		
SULU	6	6	12	6	6	12	6	6	6	12	6	12	6	6	12	6	6	12	6	6	12	6	6	12	6	6	12	6	6	12		
TAWI-TAWI	7,399	7,399	14,798	6,243	5,024	11,267	8,013	7,753	7,753	15,506	14,039	28,078	9,946	8,787	18,733	9,946	8,787	18,733	9,946	8,787	18,733	9,946	8,787	18,733	9,946	8,787	18,733	9,946	8,787	18,733		
ZAMBOANGA NORTE	21,253	18,983	40,236	25,475	20,990	46,465	29,949	23,899	23,899	47,898	24,941	19,801	44,742	25,979	57,055	25,979	25,979	57,055	25,979	25,979	57,055	25,979	25,979	57,055	25,979	25,979	57,055	25,979	25,979	57,055		
ZAMBOANGA SUR	30,233	26,720	56,953	36,992	31,210	68,192	43,137	36,848	36,848	73,696	54,232	47,944	102,176	46,317	98,493	46,317	46,317	98,493	46,317	46,317	98,493	46,317	46,317	98,493	46,317	46,317	98,493	46,317	46,317	98,493		
Subtotal	26,720	26,720	53,440	36,992	31,210	68,192	43,137	36,848	36,848	73,696	54,232	47,944	102,176	46,317	98,493	46,317	46,317	98,493	46,317	46,317	98,493	46,317										