

*Part - A*

*Tables*



Table A-2 THE HISTORICAL TENDENCY OF GDP BY SECTOR  
(AT CONSTANT 1985 PRICES)

No.	Sector	Subsector	(Unit: Million Pesos)																					
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Annual Average Growth Rate (%)									
			1985-1990	1990-1995	1995-1996	1990-1995	1995-1996	1990-1995	1995-1996	1990-1995	1995-1996	1990-1995	1995-1996	1990-1995	1995-1996	1990-1995	1995-1996							
I. Agriculture																								
a. Agriculture Industry																								
1. Crops			80,708	80,470	79,664	84,067	86,541	85,870	88,694	87,662	89,660	92,857	93,092	96,461	125	1.63	3.29	-1.16	2.28	3.57	0.25	3.62	1.63	
2. Livestock			10,972	12,552	13,700	14,532	16,334	16,854	17,061	17,195	17,996	18,858	19,839	21,146	8,96	3.31	1.23	0.79	4.66	4.79	5.20	6.59	6.15	9.22
3. Poultry			6,771	7,072	7,595	9,990	11,082	12,215	12,626	13,999	14,866	15,255	16,056	17,865	12,52	5.62	3.36	10.87	6.19	2.62	5.25	11.27	9.22	3.50
4. Agricultural activities & services			6,048	6,146	6,196	6,838	7,109	7,823	8,154	8,214	8,336	8,632	8,834	9,334	4,93	2.33	1.70	4.23	0.74	1.49	3.55	2.34	2.98	2.98
Sub-total			104,499	106,240	107,155	115,447	121,066	122,631	126,204	127,010	130,736	135,306	137,619	144,306	3,25	2.33	2.91	0.64	2.93	3.50	1.71	4.86	2.98	
b. Fishery			27,058	29,246	30,920	24,581	29,628	30,783	32,001	32,375	32,820	33,195	33,853	32,937	2,61	1.92	3.96	1.17	1.37	1.14	1.98	-2.71	1.80	
2. Forestry			8,997	10,239	12,339	11,264	9,270	7,920	4,732	4,186	3,497	2,971	1,527	900	-4.04	-26.91	-35.36	-11.54	-16.46	-15.04	-48.60	-41.06	-18.88	
Sub-total			140,554	145,725	150,414	155,292	159,964	160,734	162,937	163,571	167,053	171,472	172,999	178,143	2,72	1.48	1.37	0.39	2.13	2.65	0.89	2.97	2.18	
II. Industry																								
1. Mining & Quarrying			11,893	12,313	11,232	11,704	11,389	11,091	10,770	11,495	11,571	10,763	11,396	10,522	-1.39	0.54	-2.89	6.73	0.66	-6.98	5.88	-7.67	-1.11	
2. Manufacturing			143,851	146,453	154,604	169,316	179,152	183,925	183,111	179,947	181,289	190,374	203,271	214,613	5,04	2.02	-0.44	-1.73	0.75	5.01	6.77	5.58	3.70	
3. Construction			29,037	28,547	31,742	33,235	39,878	41,858	35,285	36,261	38,344	41,774	44,492	49,339	7,59	1.23	-15.70	2.77	5.74	8.95	6.51	10.89	4.94	
4. Electricity, Gas & Water			15,767	17,851	15,811	17,797	18,756	18,674	19,552	19,681	20,235	23,061	26,060	28,008	3,44	6.89	4.70	0.66	2.92	13.85	13.00	7.48	5.36	
Sub-Total			200,548	205,164	213,389	232,032	249,173	255,548	248,718	247,384	251,459	265,972	285,219	302,482	4,97	2.22	-2.67	-0.54	1.65	5.77	7.24	6.05	3.81	
III. Service																								
1. Transportation, Communication and Storage			31,666	33,075	35,086	37,898	40,243	41,108	41,291	41,870	42,941	44,764	47,366	50,878	5,36	2.82	0.45	1.40	2.56	4.25	5.81	7.41	4.41	
2. Trade			82,855	86,917	90,038	95,180	102,729	107,428	108,002	109,780	112,479	116,923	123,430	130,247	5,34	2.87	0.53	1.65	2.46	3.95	5.57	5.52	4.20	
3. Finance			17,123	18,517	21,465	23,845	27,261	29,968	29,114	29,217	29,909	31,546	33,852	36,513	11,84	2.47	-2.85	0.35	2.37	5.47	7.31	13.77	7.65	
4. Ownership of Dwellings and Real Estate			32,132	33,205	34,759	36,691	39,083	40,146	40,242	40,534	41,269	42,473	43,765	45,576	4,55	1.74	0.24	0.73	1.81	2.92	3.04	4.14	3.23	
5. Private Services			39,121	40,120	42,060	45,301	49,534	49,273	49,551	50,984	53,159	55,461	58,231	4,76	2.36	-0.16	0.86	2.89	4.27	4.33	4.99	3.68		
6. Government Services			27,904	28,700	29,712	32,322	33,459	36,405	36,945	37,034	38,062	40,141	41,358	44,381	5,46	2.98	1.48	0.24	2.78	5.46	3.03	7.31	4.31	
Sub-Total			240,781	249,534	259,120	271,237	290,309	304,408	304,867	307,886	315,644	329,006	345,232	362,826	5,69	2.55	0.15	1.02	2.49	4.23	4.93	6.54	4.33	
Total			571,883	591,423	616,923	638,581	699,448	720,690	718,941	734,136	766,450	803,450	848,451	4,73	2.20	-0.58	0.34	2.12	4.40	4.83	5.60	3.65		

Data Source: 1. The figures during the period from 1985 to 1996 Philippine Statistical Yearbook, 1997

2. The growth rate of 1996 by sector was provided by NEDA.

Table A-3 THE HISTORICAL TENDENCY OF GDP PER CAPITA

Item	(Unit: Pesos / Capita)																															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	Annual Average Growth Rate (%)																				
													1985-1990	1990-1995	1995-1996	1985-1990	1990-1995	1995-1996														
A. Estimates in Current Pesos																																
1. Gross Domestic Product																																
10,461															10,873	11,903	13,610	15,398	17,522	19,851	20,685	22,013	24,676	27,130	18,76	9.14	13.29	4.20	6.42	12.10	9.94	10.00
2. Gross National Product																																
10,171															10,648	11,695	13,488	15,175	17,608	20,138	21,205	22,399	25,309	28,003	20,07	9.72	14.37	5.30	5.63	12.99	10.64	10.66
3. Personal Consumption Expenditures																																
7,698															7,938	8,409	9,516	10,803	12,477	14,576	15,599	16,759	18,344	20,093	17,47	10.00	16.82	7.02	7.44	9.46	9.53	10.07
B. Estimates in Constant (1985) Pesos																																
1. Gross Domestic Product																																
10,461															10,561	10,755	11,216	11,638	11,722	11,397	11,003	10,961	11,169	11,434	3,87	-0.50	-2.77	-3.46	-0.38	1.90	2.37	0.89
2. Gross National Product																																
10,171															10,342	10,562	11,113	11,468	11,782	11,561	11,282	11,151	11,458	11,804	5.02	0.04	-1.88	-2.41	-1.16	2.75	3.02	1.50
3. Personal Consumption Expenditures																																
7,698															7,765	7,887	8,184	8,396	8,650	8,649	8,638	8,745	8,866	8,966	3.96	0.49	-0.01	-0.64	0.51	1.24	1.38	1.42
C. Population (mill. persons)																																
54.67															56.00	57.36	58.72	60.10	61.48	62.87	65.34	66.98	68.62	70.27	3.99	2.71	2.26	3.93	2.51	2.45	2.40	2.54

Data Source: Philippine Statistical Yearbook, 1996, NSCB.

Table A-4 MAJOR ECONOMIC INDICATORS, 1993-95

(Unit: %)

INDICATORS	Average Growth Rate		1993		1994				1995		Average Growth Rate		
	1987-92		Actual	Plan Estimate	Deviation		Plan Target		Actual	Deviation		1993-95	
	1987-92	1987-92	Actual	Plan Estimate	Low	High	Low	High	Actual	Low	High	1993-95	
Gross National Product, Real	4.20	2.10	2.10	2.40	(0.3)	5.30	3.50	4.50	1.80	0.80	4.00	6.50	4.30
Personal Consumption	4.10	3.00	3.00	3.00	--	3.70	3.00	3.80	0.70	(0.1)	3.30	4.00	3.50
Government Consumption	4.10	6.20	6.20	(7.0)	13.20	6.10	8.30	8.50	(2.2)	(2.4)	5.50	6.10	5.30
Investments	10.20	7.90	7.90	10.10	(2.2)	8.60	8.30	9.30	0.30	(0.7)	9.90	10.70	6.70
Exports	7.10	6.20	6.20	--	--	19.80	13.20	14.00	6.60	5.80	14.50	16.00	12.60
Imports	13.50	11.50	11.50	13.00	(1.5)	14.50	8.50	9.50	6.00	5.00	11.50	9.50	14.20
Gross Domestic Product, Real	3.30	2.10	2.10	2.00	0.10	4.40	3.40	4.40	1.00	--	4.10	6.20	3.80
Agril., Fishery & Forestry	2.00	2.10	2.10	2.00	0.10	2.60	2.20	2.70	0.40	(0.1)	0.90	3.00	1.90
Industry	3.20	1.60	1.60	1.80	(.2)	5.80	4.70	5.70	1.10	0.1	7.20	7.90	4.90
Services	4.20	2.50	2.50	2.10	0.40	4.20	3.00	4.30	1.20	(0.1)	4.90	6.40	3.90

Note: Difference in percentage points; negative deviation means that the actual rates/estimates were below the target while a positive deviation implies that the actual growth rates exceeded the targets.

Data Source: 1. National Statistical Coordination Board (NSCB)  
2. "Updated Medium-Term Philippine Development Plan (1996-1998)", NEDA

Table A-5 GROWTH RATES OF INDUSTRY AND SHARE TO GDP, 1993-95  
(In Percent)

INDICATORS	Average Growth Rate		1993		1994				1995		Average Growth Rate	
	1987-92		Actual	Plan Estimate	Deviation		Plan Target		Actual	Deviation		1993-95
	1987-92	1987-92	Actual	Plan Estimate	Low	High	Low	High	Actual	Low	High	1993-95
Real GVA in Industry	3.2	1.6	1.6	1.8	(0.2)	5.8	4.7-5.7	1.1-0.1	7.2	5.2-7.9	2.0-(0.7)	4.9
growth rate	35.0	33.7	33.7	33.4	0.3	33.8	34.8	(1.0)	34.4	35.2-35.4	0.3-0.1	34.0
share	(1.0)	0.7	0.7	0.7	0.0	(7.0)	5.0-5.5	(12.0)-(12.5)	5.9	5.2-5.5	0.7-0.4	(0.2)
Mining and Quarrying	1.6	1.6	1.6	1.5	0.1	1.4	1.6	(0.2)	1.4	1.6	(0.2)	1.5
growth rate	3.6	0.8	0.8	0.7	0.1	5.0	4.6-5.5	0.4-(0.5)	6.8	5.0-8.2	1.8-(1.4)	4.2
share	25.4	24.7	24.1	24.1	0.6	24.2	25.1	(0.9)	24.5	25.3-25.6	(0.5)-(0.8)	24.9
Manufacturing	4.6	5.7	6.7	(1.0)	9.0	5.0-6.8	4.0-2.2	6.5	6.0-8.0	0.5-(1.5)	7.1	
growth rate	5.3	5.1	5.1	5.1	0.0	5.3	5.3	0.0	5.4	5.4	0.1	5.4
share	1.9	2.9	2.9	2.9	0.0	13.8	5.1-6.0	8.7-7.8	13.0	5.5-6.1	7.5-6.9	9.9
Electricity, Gas & Water	2.7	2.7	2.7	2.7	0.0	2.9	2.8	0.1	3.1	2.8	0.4	3.0
growth rate												
share												

Data Source: 1. NSCB (Natl. Accounts - as of May 1996)  
2. "Updated Medium-Term Philippine Development Plan (1996-1998)", NEDA

**Table A-6 HISTORICAL PERFORMANCE OF GRDP BY REGION  
(AT CONSTANT 1985 PRICES)**

(Unit: Million Pesos)

No.	Region	Annual Average Growth Rate (%)																			
		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	(1985~(1990~(1991~(1992~(1993~(1994~(1995~(1996~(1995~(1994~(1993~(1992~(1991~(1990~(1985~							
	NCR	164,246	169,358	180,609	197,266	214,663	221,753	220,972	215,465	216,149	227,348	240,121	254,649	6.19	1.60	-0.35	-2.49	0.32	5.18	5.62	6.05
	CAR	-	-	11,342	12,195	13,252	13,549	14,042	13,591	14,637	15,928	16,762	17,699	6.11	4.35	3.64	-3.21	7.70	8.82	5.24	5.59
I	Ilocos	25,033	26,947	18,294	19,238	20,435	21,869	21,579	20,344	20,893	22,295	24,021	26,004	-2.67	1.89	-1.33	-5.72	2.70	6.71	7.74	8.25
II	Cagayan Valley	15,309	15,668	13,087	13,994	14,725	15,548	14,714	13,974	14,460	15,428	16,485	17,699	0.31	1.18	-5.36	-5.03	3.48	6.69	6.85	7.36
III	Central Luzon	53,774	54,853	57,459	61,831	64,158	68,250	66,309	70,756	72,955	75,371	78,383	82,324	4.88	2.81	-2.84	6.68	3.14	3.31	4.00	5.03
IV	Southern Tagalog	82,615	86,473	90,978	98,333	104,972	109,509	109,844	113,545	114,787	121,155	126,303	132,107	5.80	2.89	0.31	3.37	1.09	5.55	4.25	4.60
V	Bicol	19,366	19,530	18,913	20,103	21,041	21,687	21,734	21,902	22,422	23,087	23,520	24,042	2.29	1.64	0.22	0.77	2.37	2.97	1.88	2.22
VI	Western Visayas	42,418	43,554	44,858	46,699	50,113	50,747	50,451	53,331	55,487	57,058	58,227	59,618	3.65	2.79	-0.58	5.71	4.04	2.83	2.05	2.39
VII	Central Visayas	35,754	37,680	39,662	43,107	45,813	47,193	46,971	47,086	47,757	49,663	52,680	57,167	5.71	2.22	-0.47	0.24	1.43	3.99	6.07	8.52
VIII	Eastern Visayas	16,218	16,057	16,175	17,297	17,373	17,322	17,396	17,088	17,851	18,387	19,374	20,941	1.33	2.26	0.43	-1.77	4.47	3.00	5.37	8.09
IX	Western Mindanao	18,561	19,163	19,191	19,569	20,214	21,132	20,773	21,186	20,862	21,125	21,599	22,370	2.63	0.44	-1.70	1.99	-1.53	1.26	2.24	3.57
X	Northern Mindanao	32,412	33,239	34,381	35,603	37,313	37,099	37,104	37,345	37,913	39,726	41,758	44,179	2.74	2.39	0.01	0.65	1.52	4.78	5.12	5.80
XI	Southern Mindanao	43,727	45,317	48,383	48,691	49,970	50,074	50,155	48,953	50,671	52,644	54,200	55,989	2.75	1.60	0.16	-2.40	3.51	3.89	2.96	3.30
XII	Central Mindanao	22,452	23,582	23,592	24,657	25,407	24,959	24,477	24,396	20,405	20,815	22,052	23,895	2.14	-2.45	-1.93	-0.33	-16.36	2.01	5.94	8.36
	ARMM	-	-	-	-	-	-	-	-	6,908	7,420	7,965	8,579	-	-	-	-	-	7.41	7.35	7.71
	Total	571,885	591,421	616,924	658,583	699,449	720,691	716,521	718,942	734,157	767,450	803,450	847,262	4.73	2.20	-0.58	0.34	2.12	4.53	4.69	5.45

Data Source : Philippine Statistical Yearbook, 1996, NSCB

**Table A-7 NUMBER OF FAMILIES, AVERAGE ANNUAL INCOME AND EXPENDITURES BY REGION**

No.	Region	Indicators	1985	1988	1991	1994	Annual Average Growth Rate (%)			
							1985-1988	1988-1991	1991-1994	1985-1991
	Philippines	No. of Families (1,000)	9,949	10,534	11,976	12,755	1.92	4.37	2.12	2.80
		Average Income	31,052	40,408	65,185	83,161	9.18	17.28	8.46	11.57
		Average Expenditures	26,865	32,521	51,991	67,661	6.58	16.93	9.18	10.81
		Savings	4,187	7,887	13,195	15,500	23.50	18.71	5.51	15.65
NCR	Metro Manila	No. of Families (1,000)	1,311	1,435	1,644	1,767	3.06	4.64	2.43	3.37
		Average Income	57,193	79,314	138,256	173,599	11.52	20.35	7.83	13.13
		Average Expenditures	48,453	60,355	105,731	138,427	7.60	20.55	9.40	12.37
		Savings	8,740	18,959	32,525	35,172	29.45	19.71	2.64	16.73
CAR	Cordillera	No. of Families (1,000)	198	214	228	241	2.62	2.13	1.83	2.21
		Average Income	-	33,838	59,895	74,669	-	20.97	7.63	-
		Average Expenditures	-	28,722	43,816	60,317	-	15.12	11.24	-
		Savings	-	5,116	15,109	14,352	-	43.66	-1.83	-
I	Ilocos	No. of Families (1,000)	578	625	672	706	2.64	2.43	1.66	2.25
		Average Income	31,453	34,031	56,678	66,125	2.65	18.53	5.27	8.60
		Average Expenditures	26,322	27,670	45,016	54,175	1.68	17.61	6.37	8.35
		Savings	5,131	6,361	11,662	11,950	7.43	22.39	0.82	9.85
II	Cagayan Valley	No. of Families (1,000)	397	438	489	523	3.33	3.74	2.27	3.11
		Average Income	27,441	32,939	50,850	68,854	6.28	15.57	10.63	10.76
		Average Expenditures	21,002	24,582	39,991	53,251	2.24	17.61	10.02	9.78
		Savings	4,439	8,357	10,859	15,603	23.43	9.12	12.64	14.99
III	Central Luzon	No. of Families (1,000)	957	1,038	1,195	1,275	2.75	4.81	2.18	3.24
		Average Income	38,819	46,855	76,203	94,092	6.47	17.60	7.78	10.34
		Average Expenditures	34,727	38,660	61,904	75,427	3.64	16.99	6.81	9.00
		Savings	4,092	8,195	14,229	18,665	36.05	20.19	9.47	18.37
IV	Southern Tagalog	No. of Families (1,000)	1,304	1,284	1,616	1,731	-0.51	7.97	2.32	3.20
		Average Income	29,895	31,978	68,960	87,627	8.30	22.00	8.31	12.69
		Average Expenditures	26,459	32,058	54,818	71,065	6.61	19.58	9.05	11.61
		Savings	3,526	5,920	14,142	16,542	18.65	33.68	5.36	18.74
V	Bicol	No. of Families (1,000)	668	738	824	878	3.38	3.74	2.14	3.08
		Average Income	20,221	26,370	39,823	54,167	9.53	14.44	10.80	15.57
		Average Expenditures	19,092	23,253	33,911	46,343	6.79	13.40	10.97	10.36
		Savings	1,129	3,117	5,912	7,824	43.22	21.24	9.79	24.00
VI	Western Visayas	No. of Families (1,000)	882	957	1,070	1,133	2.76	3.79	1.93	2.82
		Average Income	24,807	31,164	47,723	64,078	7.90	15.26	10.32	11.12
		Average Expenditures	22,319	27,162	42,670	57,868	6.78	16.25	10.69	11.17
		Savings	2,487	4,002	5,053	6,210	4.60	8.08	7.11	6.59
VII	Central Visayas	No. of Families (1,000)	784	830	904	952	1.92	2.89	1.74	2.18
		Average Income	20,756	27,972	45,255	57,579	10.46	17.39	8.36	12.00
		Average Expenditures	16,932	22,157	35,480	46,833	9.38	16.99	9.73	11.98
		Savings	3,824	5,815	9,775	10,696	14.99	18.90	3.05	12.11
VIII	Eastern Visayas	No. of Families (1,000)	568	598	661	694	1.73	3.40	1.64	2.25
		Average Income	17,767	25,345	38,475	49,912	12.57	14.93	9.06	12.16
		Average Expenditures	15,854	20,533	31,760	37,522	8.93	15.65	5.71	10.02
		Savings	1,893	4,812	6,715	12,390	36.72	11.75	22.65	23.29
IX	Western Mindanao	No. of Families (1,000)	495	427	479	509	-4.81	3.90	2.05	0.31
		Average Income	23,779	31,954	42,632	50,784	10.39	10.04	6.01	8.80
		Average Expenditures	19,456	24,624	32,605	43,455	8.17	9.81	10.07	9.35
		Savings	4,323	7,360	10,017	7,298	19.41	10.82	-10.02	5.99
X	Northern Mindanao	No. of Families (1,000)	565	607	686	734	2.42	4.16	2.28	2.95
		Average Income	27,402	35,801	45,179	57,831	9.32	8.06	8.58	8.65
		Average Expenditures	22,703	28,865	37,641	46,363	8.33	9.25	7.19	8.26
		Savings	4,699	6,936	7,538	11,468	13.65	2.81	15.01	10.42
XI	Southern Mindanao	No. of Families (1,000)	706	738	830	887	1.49	3.99	2.24	2.57
		Average Income	28,222	37,132	51,722	70,711	9.58	11.68	10.99	10.74
		Average Expenditures	24,068	30,061	41,011	59,542	7.69	10.91	13.23	10.59
		Savings	4,154	7,071	10,711	11,169	10.40	74.85	1.42	11.62
XII	Central Mindanao	No. of Families (1,000)	255	299	338	365	5.45	4.17	2.59	4.07
		Average Income	24,366	35,090	44,398	61,282	12.93	8.16	11.34	10.79
		Average Expenditures	22,409	27,696	37,165	50,527	7.16	10.30	10.78	9.40
		Savings	1,857	7,394	7,233	10,755	58.50	-0.73	14.14	21.55
ARMM	Autonomous Region of Muslim	No. of Families (1,000)	281	306	340	361	2.88	3.57	2.02	2.82
		Average Income	-	-	47,677	51,304	-	-	5.51	-
		Average Expenditures	-	-	34,260	38,802	-	-	4.24	-
		Savings	-	-	6,417	12,502	-	-	24.99	-

Data Source: Philippine Statistical Yearbook, 1996, NSCB

Table A-8 RATIO OF EXPENDITURES AND SAVINGS TO AVERAGE ANNUAL INCOME BY REGION

(Unit: %)

No.	Region	Indicators	Annual Average Growth Rate (%)							
			1985	1988	1991	1994	1985-1991	1991-1994	1985-1991	
	Philippines	Ratio of Average Expenditure to Average Income	87	80	80	81	-2.38	-0.30	0.67	-0.68
		Ratio of Savings to Average Income	13	20	20	19	13.12	1.22	-2.71	3.66
NCR	Metro Manila	Ratio of Average Expenditure to Average Income	85	76	76	80	-3.51	0.17	1.40	-0.67
		Ratio of Savings to Average Income	15	24	24	20	16.08	-0.53	-4.86	3.18
CAR	Cardillera	Ratio of Average Expenditure to Average Income	-	85	73	81	-	-4.83	3.36	-
		Ratio of Savings to Average Income	-	18	35	24	-	24.80	-11.75	-
I	Ilocos	Ratio of Average Expenditure to Average Income	84	81	79	82	-0.95	-0.78	1.04	-0.23
		Ratio of Savings to Average Income	16	19	21	18	4.65	3.25	-4.23	1.15
II	Cagayan Valley	Ratio of Average Expenditure to Average Income	84	75	79	77	-3.80	1.76	-0.56	-0.89
		Ratio of Savings to Average Income	16	25	21	23	16.19	-5.58	1.99	3.81
III	Central Luzon	Ratio of Average Expenditure to Average Income	89	83	81	80	-2.66	-0.52	-0.44	-1.21
		Ratio of Savings to Average Income	11	17	19	20	18.39	2.20	2.04	7.28
IV	Southern Tagalog	Ratio of Average Expenditure to Average Income	89	84	79	81	-1.57	-1.98	0.68	-0.96
		Ratio of Savings to Average Income	12	16	21	19	9.74	9.57	-2.72	5.36
V	Bicol	Ratio of Average Expenditure to Average Income	94	88	85	86	-2.50	-0.91	0.16	-1.09
		Ratio of Savings to Average Income	6	12	15	14	30.76	5.95	-0.91	11.14
VI	Western Visayas	Ratio of Average Expenditure to Average Income	90	87	89	90	-1.04	0.85	0.33	0.05
		Ratio of Savings to Average Income	14	13	11	10	-3.06	-6.23	-2.91	-4.08
VII	Central Visayas	Ratio of Average Expenditure to Average Income	82	79	78	81	-0.98	-0.34	1.27	-0.02
		Ratio of Savings to Average Income	18	21	22	19	4.11	1.28	-4.90	0.09
VIII	Eastern Visayas	Ratio of Average Expenditure to Average Income	89	81	83	75	-3.23	0.63	-3.07	-1.91
		Ratio of Savings to Average Income	11	19	17	25	21.45	-2.77	12.46	9.92
IX	Western Mindanao	Ratio of Average Expenditure to Average Income	82	77	76	86	-2.01	-0.21	3.83	0.51
		Ratio of Savings to Average Income	18	23	24	14	8.17	0.71	-15.12	-2.58
X	Northern Mindanao	Ratio of Average Expenditure to Average Income	83	81	83	80	-0.90	1.10	-1.27	-0.36
		Ratio of Savings to Average Income	17	19	17	20	4.15	-4.86	5.93	1.63
XI	Southern Mindanao	Ratio of Average Expenditure to Average Income	85	81	79	84	-1.72	-0.69	2.02	-0.14
		Ratio of Savings to Average Income	15	19	21	16	8.96	2.83	-8.63	0.79
XII	Central Mindanao	Ratio of Average Expenditure to Average Income	92	79	84	82	-5.11	1.98	-0.50	-1.26
		Ratio of Savings to Average Income	8	21	16	18	40.35	-8.22	2.51	9.71
ARMM	Autonomous Region of Muslim Mindanao	Ratio of Average Expenditure to Average Income	-	-	78	76	-	-	-	-1.21
		Ratio of Savings to Average Income	-	-	15	24	-	-	-	18.37

Data Source: Philippine Statistical Yearbook, 1996, NSCB

**Table A-9 ANNUAL PER CAPITA POVERTY THRESHOLDS AND POVERTY INCIDENCE OF FAMILIES BY REGION**

No.	Region	Annual Per Capita Poverty Thresholds (Pesos)					Magnitude of Poor Families <sup>m</sup>					Incidence of Poor Families <sup>d</sup>				
		1985	1986	1991	1994	1994	1985	1986	1991	1994	1994	1985	1986	1991	1994	1994
NCR	Philippines	3,744	4,777	7,302	8,885	4,355,052	4,230,484	4,790,865	4,531,170	44.2	40.2	39.9	35.5			
CAR	Metro Manila	4,577	6,576	9,286	11,230	310,294	310,294	217,602	141,671	23.0	21.6	13.2	8.0			
I	Cordillera	3,775	5,116	8,332	10,853	301,973	89,572	111,030	122,942	-	41.9	48.4	51.0			
II	Ilocos	3,448	4,934	8,060	10,022	267,044	290,394	325,145	338,327	37.5	44.9	48.4	47.9			
III	Cajayan Valley	3,895	4,573	7,035	8,316	174,344	177,072	211,839	185,708	37.8	40.4	45.3	35.5			
IV	Central Luzon	3,794	5,242	8,173	9,757	364,811	304,313	371,817	321,212	27.7	28.3	31.1	25.2			
V	Southern Tagalog	3,434	4,832	8,075	9,537	524,839	527,360	612,213	514,527	40.3	41.1	37.9	29.7			
VI	Bicol	3,675	4,144	6,385	8,319	404,251	402,322	452,727	483,954	60.5	54.5	55.0	55.1			
VII	Western Visayas	3,305	4,344	6,403	8,107	528,098	472,809	484,505	487,794	59.9	49.4	45.3	43.0			
VIII	Central Visayas	3,283	3,711	5,585	6,425	440,760	368,571	377,448	311,889	57.4	46.8	41.7	32.7			
IX	Eastern Visayas	3,521	3,818	5,138	6,444	334,751	292,953	264,906	262,859	59.0	48.9	40.1	37.9			
X	Western Mindanao	3,546	4,523	6,433	7,938	268,872	208,210	238,022	222,259	54.3	38.7	49.7	44.7			
XI	Northern Mindanao	3,645	4,876	6,544	8,201	309,532	318,117	383,368	357,615	43.9	43.1	46.2	40.3			
XII	Southern Mindanao	3,675	4,147	7,321	8,971	225,351	177,807	209,458	216,275	51.7	36.1	57.0	50.7			
ARMM	Autonomous Region of Muslim Mindanao	-	-	8,312	8,889	-	-	157,507	194,081	-	-	-	50.7	60.0		

Data Source: Technical Working Group (TWG) on Income Statistics, NSCB

Notes:

a/: The annual per capita income required on the amount to be spent to satisfy nutritional requirement (2,000 calories) and other basic needs.  
 b/: The number of families whose annual per capita income falls below the annual per capita poverty threshold.  
 c/: Proportion of poor families to the total number of families.  
 d/: marked regions/provinces were formerly other regions; CAR was part of Region I and II while ARMM was part of Region IX and XII.

**Table A-10 ANNUAL AVERAGE GROWTH RATE OF PER CAPITA POVERTY THRESHOLDS AND POVERTY INCIDENCE OF FAMILIES BY REGION**

No.	Region	Annual Per Capita Poverty Thresholds (Pesos)					Magnitude of Poor Families <sup>m</sup>					Incidence of Poor Families <sup>d</sup>				
		1985-86	1986-91	1986-91	1985-1994	1985-1994	1985-86	1986-91	1986-91	1985-1994	1985-1994	1985-86	1986-91	1986-91	1985-1994	1985-1994
NCR	Philippines	8.46	15.19	6.76	10.08	-0.06	4.16	-1.77	0.44	-3.11	-2.07	-3.11	-0.25	-3.82	-2.41	
CAR	Metro Manila	13.25	12.19	6.54	10.62	0.91	-1.15	-13.33	-8.07	-	-	-	-15.14	-15.37	-11.07	
I	Cordillera	-	17.65	9.21	-	-	7.42	3.46	-	-	-	5.21	1.48	-		
II	Ilocos	9.34	17.77	7.53	11.46	1.64	5.06	1.33	2.66	6.19	6.19	2.53	-0.35	2.76		
III	Cajayan Valley	9.87	15.44	5.73	10.28	0.42	6.16	-4.29	0.17	2.24	2.24	2.34	-6.41	-0.70		
IV	Central Luzon	10.41	15.96	6.08	10.74	4.74	0.91	-4.76	2.17	1.89	1.89	2.01	-6.77	-1.05		
V	Southern Tagalog	8.40	18.67	5.70	10.78	0.16	5.10	-5.63	-0.22	0.66	0.66	-2.67	-7.81	-3.33		
VI	Bicol	6.49	15.50	9.22	10.33	-0.18	4.00	2.24	2.01	-3.42	-3.42	0.30	0.06	-1.03		
VII	Western Visayas	5.73	13.81	8.58	9.32	-3.61	0.81	0.23	-0.88	-2.22	-2.22	-2.85	-1.72	-3.62		
VIII	Central Visayas	3.94	14.60	4.78	7.67	-3.96	-0.66	-0.16	-3.99	-6.58	-3.77	-7.78	-6.06	-6.06		
IX	Eastern Visayas	5.16	10.40	7.84	7.78	-4.35	-3.30	-0.76	-2.65	-6.07	-6.07	-6.40	-1.86	-4.80		
X	Western Mindanao	2.51	18.75	3.60	8.06	-8.10	4.48	-1.53	-1.85	-10.68	-10.68	8.70	-3.47	-2.14		
XI	Northern Mindanao	8.45	12.46	7.26	9.37	-2.31	9.08	-0.20	2.97	-4.60	-4.60	4.76	-2.45	-0.84		
XII	Southern Mindanao	10.18	10.10	7.81	9.43	0.92	6.42	-2.29	1.62	-0.61	-0.61	2.34	-4.45	-0.95		
ARMM	Autonomous Region of Muslim Mindanao	4.13	20.86	7.01	10.43	-7.62	5.61	1.07	-0.47	-11.28	-11.28	16.45	-1.36	0.63		
				2.18				7.94						5.77		

Note: \* marked regions/provinces were formerly other regions; CAR was part of Region I and II while ARMM was part of Region IX and XII.

Data Source: Technical Working Group (TWG) on Income Statistics, NSCB



Table A-11 CONSUMER PRICE INDEX FOR ALL INCOME HOUSEHOLD AND INFLATION RATE

No.	Region	(1998=100)													
		1988	1989	1990	1991	1992	1993	1994	1995	Annual Average Inflation Rate (%)					
	Philippines	100.0	112.2	128.1	152.0	165.6	178.2	194.3	210.0						
	Index for All Items														
	Inflation Rate(%)	-	12.2	14.2	18.7	8.9	7.6	9.0	8.1						11.24
NCR	Metro Manila	100.0	109.6	127.3	153.6	172.4	190.3	209.8	226.8						
	Index for All Items														
	Inflation Rate(%)	-	9.6	16.2	20.7	12.2	10.4	10.2	8.1						12.49
CAR	Cardillera	100.0	115.2	129.4	149.7	159.5	171.7	190.6	205.7						
	Index for All Items														
	Inflation Rate(%)	-	15.2	12.3	15.7	6.5	7.6	11.0	7.9						10.91
I	Ilocos	100.0	113.7	128.5	149.3	160.4	177.9	192.9	209.1						
	Index for All Items														
	Inflation Rate(%)	-	13.7	13.0	16.2	7.4	10.9	8.4	8.4						11.15
II	Cagayan Valley	100.0	110.8	127.7	147.5	163.5	176.3	186.3	198.4						
	Index for All Items														
	Inflation Rate(%)	-	10.8	15.3	15.5	10.8	7.8	5.7	6.5						10.34
III	Central Luzon	100.0	110.9	124.5	150.2	161.5	170.4	187.4	199.8						
	Index for All Items														
	Inflation Rate(%)	-	10.9	12.3	20.6	7.5	5.5	10.0	6.6						10.49
IV	Southern Tagalog	100.0	113.9	129.1	153.2	165.1	174.8	190.5	205.7						
	Index for All Items														
	Inflation Rate(%)	-	13.9	13.3	18.7	7.8	5.9	9.0	8.0						10.93
V	Bicol	100.0	114.5	132.9	154.7	165.7	178.2	192.9	213.4						
	Index for All Items														
	Inflation Rate(%)	-	14.5	16.1	16.4	7.1	7.5	8.2	10.6						11.50
VI	Western Visayas	100.0	115.0	131.9	157.0	166.6	180.5	193.3	211.1						
	Index for All Items														
	Inflation Rate(%)	-	15.0	14.7	19.0	6.1	8.3	7.1	9.2						11.35
VII	Central Visayas	100.0	112.6	134.5	163.9	177.1	188.4	203.5	217.7						
	Index for All Items														
	Inflation Rate(%)	-	12.6	19.4	21.9	8.1	6.4	8.0	7.0						11.91
VIII	Eastern Visayas	100.0	114.8	125.7	148.6	162.3	173.3	189.5	208.1						
	Index for All Items														
	Inflation Rate(%)	-	14.8	9.5	18.2	9.2	6.8	9.3	9.8						11.10
IX	Western Mindanao	100.0	111.4	128.6	150.1	160.1	170.6	187.1	204.0						
	Index for All Items														
	Inflation Rate(%)	-	11.4	15.4	16.7	6.7	6.6	9.7	9.0						10.78
X	Northern Mindanao	100.0	113.1	126.3	145.9	159.3	168.2	183.8	198.4						
	Index for All Items														
	Inflation Rate(%)	-	13.1	11.7	15.5	9.2	5.6	9.3	7.9						10.33
XI	Southern Mindanao	100.0	109.8	120.6	138.0	150.8	157.9	171.6	185.5						
	Index for All Items														
	Inflation Rate(%)	-	9.8	9.8	14.4	9.3	4.7	8.7	8.1						9.26
XII	Central Mindanao	100.0	112.7	126.4	146.9	161.1	171.1	185.8	201.1						
	Index for All Items														
	Inflation Rate(%)	-	12.7	12.2	16.2	9.7	6.2	8.6	8.2						10.54
ARMM	Autonomous Region of Muslim Mindanao	100.0	116.2	133.9	163.2	176.4	187.4	200.8	216.3						
	Index for All Items														
	Inflation Rate(%)	-	16.2	15.2	21.9	8.1	6.2	7.2	7.7						11.79

Data Source : Philippine Statistical Yearbook, 1996, NSCB

**Table A-12 NUMBER OF SCHOOLS BY LEVEL OF EDUCATION**

Level of Education	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Per 100,000 Population (1995)	Annual Average Growth Rate (%) (1985-96)	Increase Rate (1985-96)	
Pre-School	Government	1257	1,246	1,292	2,548	2,646	2,888	3,660	3,714	3,143	4,095	4,352	4,282	0.7	11.79	3.41
	Private	997	1,280	1,143	1,191	1,191	1,313	1,659	1,701	1,892	2,267	2,511	2,528	0.4	8.83	2.54
	Total	2,254	2,526	2,435	3,739	3,837	4,201	5,319	5,415	5,035	6,362	6,863	6,810	1.0	10.57	3.02
Elementary	Government	31,817	32,037	32,000	32,875	32,811	32,449	32,768	32,630	33,035	33,425	34,483	34,802	5.2	0.82	1.09
	Private	1339	1,448	1,544	1,651	1,571	1,632	1,814	1,940	2,052	2,246	2,418	2,418	0.4	7.34	2.18
	Total	33,156	33,485	33,544	34,526	34,382	34,081	34,582	34,570	35,087	35,671	36,901	37,221	5.5	1.18	1.14
Secondary	Government	3,357	3,327	3,307	3,347	3,364	3,394	3,463	3,536	3,586	3,676	3,799	3,830	0.6	3.79	1.21
	Private	2,018	2,067	2,103	2,149	2,154	2,156	2,212	2,292	2,294	2,379	2,418	2,539	0.4	2.11	1.26
	Total	5,375	5,394	5,410	5,496	5,518	5,550	5,675	5,828	5,880	6,055	6,217	6,369	0.9	1.55	1.73
Tertiary	Government	293	351	428	504	504	510	505	505	522	522	526	N.A.	0.1	6.03	1.80
	Private	785	818	1,178	1,251	1,251	1,561	1,415	1,549	1,665	1,915	1,915	N.A.	0.3	9.44	2.46
	Total	1,078	1,169	1,606	1,675	1,675	2,071	1,920	2,054	2,210	2,437	2,461	N.A.	0.4	8.60	2.28
Grand Total	Government	36,724	36,961	37,027	39,194	39,245	39,241	40,396	40,385	40,309	41,718	43,160	43,160	6.5	1.63	1.18
	Private	5,139	5,330	6,105	6,194	6,167	6,662	7,100	7,482	7,903	8,827	9,282	9,282	1.4	6.09	1.81
	Total	41,863	42,291	43,132	45,388	45,412	45,903	47,496	47,867	48,212	50,545	52,442	52,442	7.9	2.28	1.25

Data Source : Department of Education, Culture and Sports and Philippine Statistical Yearbook, 1997, NSCB.

Note: The figures for annual average growth rate and increase rate for tertiary and grand total are the ones during 1985 to 1995

**Table A-13 NUMBER OF SCHOOL ENROLMENT BY LEVEL OF EDUCATION**

Level of Education	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Per 100 Annual Average Population Growth Rate (1995)	Increase Rate (1985-96)		
Pre-School	Government	64,308	79,971	136,343	151,070	165,997	184,759	-	196,609	225,960	212,472	160,809	0.3	10.72	2.50
	Private	99,952	124,941	137,163	170,389	231,367	223,897	-	220,285	254,378	239,409	240,990	0.4	10.27	2.41
	Total	164,260	204,912	274,206	321,459	397,364	408,646	-	416,894	480,338	451,881	401,799	0.7	10.45	2.45
Elementary	Government	8,639,399	8,964,804	9,323,637	9,694,422	9,727,575	9,899,211	9,893,587	9,913,199	10,087,702	10,682,728	11,014,664	15.7	2.74	1.27
	Private	590,196	616,518	648,934	680,439	699,502	706,502	785,332	818,254	815,827	858,842	887,387	0.9	4.64	1.50
	Total	9,229,595	9,581,322	9,972,571	10,374,861	10,427,077	10,605,713	10,678,919	10,731,453	10,903,529	11,541,570	11,902,051	16.6	2.87	1.29
Secondary	Government	1,996,377	2,090,073	2,354,620	2,516,729	2,564,045	2,695,537	2,879,384	3,057,178	3,258,493	3,326,552	3,446,364	5.0	0.25	1.73
	Private	1,360,637	1,404,387	1,382,484	1,444,910	1,469,552	1,478,031	1,543,289	1,512,859	1,504,394	1,483,311	1,441,852	2.2	0.65	1.06
	Total	3,357,014	3,494,460	3,737,104	3,961,639	4,033,597	4,173,568	4,422,673	4,590,037	4,762,877	4,809,863	4,888,216	7.2	4.26	1.46
Grand Total	Government	10,700,084	11,134,848	11,815,100	12,272,221	12,457,617	12,769,507	13,106,986	13,572,155	14,221,752	14,621,837	15,021,837	21.0	3.33	1.17
	Private	2,050,785	2,165,846	2,168,781	2,295,738	2,400,421	2,408,420	2,328,621	2,571,398	2,574,589	2,571,502	2,570,229	3.5	2.54	1.25
	Total	12,750,869	13,300,694	13,983,881	14,567,959	14,858,038	15,177,927	15,101,592	15,738,384	16,146,744	16,803,314	17,192,066	24.5	3.38	1.35

Data Source : Department of Education, Culture and Sports and Philippine Statistical Yearbook, 1997, NSCB.

Table A-14 NUMBER OF SCHOOLS BY LEVEL OF EDUCATION BY REGION

No.	Region	Pre-School		Elementary		Secondary		Grand Total			
		Public	Private	Public	Private	Public	Private	Public	Private		
		Total	Total	Total	Total	Total	Total	Total	Total		
NCR	Metro Manila	372	665	1,037	473	543	1,016	484	960	1,577	2,537
CAR	Candilera	102	61	163	1,201	47	1,248	198	1,420	189	1,609
I	Ilocos	598	89	687	2,243	115	2,358	378	551	3,219	3,596
II	Cagayan Valley	35	31	66	1,660	68	2,028	243	2,144	193	2,337
III	Central Luzon	435	249	684	2,369	235	2,804	285	3,289	717	4,006
IV	Southern Tagalog	999	573	1,572	4,151	474	4,625	378	5,671	1,425	7,096
V	Bicol	360	105	465	2,886	103	2,989	141	3,604	349	3,953
VI	Western Visayas	310	146	456	3,060	147	3,227	378	152	3,768	445
VII	Central Visayas	197	140	337	2,682	129	2,811	169	3,152	438	3,590
VIII	Eastern Visayas	112	46	158	3,327	44	3,371	80	3,98	170	3,927
IX	Western Mindanao	119	33	152	2,037	53	2,090	66	2,333	154	2,487
X	North Mindanao	16	111	127	1,524	87	1,611	148	1,688	322	2,010
XI	Southern Mindanao	295	140	435	2,023	219	2,262	158	2,533	537	3,070
XII	Central Mindanao	188	75	263	1,268	80	1,348	148	1,604	248	1,852
ARMM	Autonomous Region of Muslim Mindanao	62	3	65	1,694	8	1,612	86	24	110	1,782
	CARAGA	152	44	196	1,455	46	1,501	133	81	214	1,740
Total		4,332	2,511	6,863	34,483	2,418	36,901	3,799	2,418	6,217	42,634

Data Source : Department of Education, Culture and Sports.

Table A-15 NUMBER OF SCHOOL ENROLMENTS BY LEVEL OF EDUCATION BY REGION

No.	Region	Pre-School		Elementary		Secondary		Grand Total			
		Public	Private	Public	Private	Public	Private	Public	Private		
		Total	Total	Total	Total	Total	Total	Total	Total		
NCR	Metro Manila	38,748	67,557	106,305	904,518	219,558	1,155,076	426,046	275,048	701,094	1,962,475
CAR	Candilera	4,124	5,632	9,756	200,976	13,330	214,306	66,179	34,307	100,486	324,548
I	Ilocos	23,458	9,757	33,215	571,295	19,554	592,849	259,991	76,379	337,370	1,055,690
II	Cagayan Valley	419	3,003	3,422	421,548	9,927	431,475	176,095	53,057	189,152	659,887
III	Central Luzon	27,610	29,866	57,476	992,361	65,770	1,058,131	317,236	191,204	508,440	1,337,207
IV	Southern Tagalog	35,469	38,378	73,847	1,464,067	91,223	1,555,290	459,828	267,107	726,935	1,959,304
V	Bicol	6,428	4,816	11,244	809,740	15,796	825,536	224,695	75,133	299,828	1,040,773
VI	Western Visayas	17,891	9,069	26,960	956,277	31,719	987,986	359,637	85,553	445,190	1,333,865
VII	Central Visayas	19,729	16,400	36,129	787,455	29,258	816,713	218,508	120,754	339,262	1,025,492
VIII	Eastern Visayas	5,714	3,356	9,070	579,411	6,610	586,021	170,958	38,502	209,460	756,083
IX	Western Mindanao	7092	4,505	11,597	501,516	7,536	509,052	137,340	31,563	168,903	645,948
X	North Mindanao	1,623	4,869	6,492	446,181	16,398	462,679	107,374	61,216	168,590	536,780
XI	Southern Mindanao	9,885	14,326	24,211	759,244	38,215	797,459	222,797	76,773	299,570	799,314
XII	Central Mindanao	8,720	5,315	14,035	393,474	12,911	406,385	117,784	51,261	169,045	519,978
ARMM	Autonomous Region of Muslim Mindanao	3,115	459	3,574	152,991	2,970	155,961	28,110	12,889	40,999	163,118
	CARAGA	2,597	2,101	4,698	345,600	7,658	351,258	83,264	32,465	115,829	427,324
Total		212,472	259,469	451,881	10,470,256	619,433	11,089,689	3,326,552	1,483,311	4,809,863	14,002,280

Data Source : Department of Education, Culture and Sports.



**Table A-18 NUMBER OF HOSPITALS BY TYPE AND BY REGION**

No.	Region	Item	1987	1988	1989	1990	1991	1992	1993	1994	1995	Annual Average Growth Rate (%)			
												Per 100,000 population			
												1987-90	1990-95	1987-95	
	Philippines	Public	590	596	597	598	562	639	537	503	589	0.9	0.45	-0.30	-0.02
		Private	1,209	1,186	1,170	1,135	1,101	1,103	1,095	1,068	1,111	1.6	-2.08	-0.43	-1.05
		Total	1,799	1,782	1,767	1,733	1,663	1,742	1,632	1,571	1,700	2.5	-1.24	-0.38	-0.71
NCR	Metro Manila	Public	41	41	38	38	39	39	30	34	42	0.4	-2.50	2.02	0.30
		Private	137	136	134	134	116	123	113	122	126	1.3	-0.74	-1.22	-1.04
		Total	178	177	172	172	155	162	143	156	168	1.8	-1.14	-0.47	-0.72
CAR	Cordillera	Public	-	-	31	31	31	31	29	15	28	2.2	-	-2.02	-
		Private	-	-	36	36	32	32	28	24	28	2.2	-	-4.90	-
		Total	-	-	67	67	63	63	57	39	56	4.5	-	-3.52	-
I	Ilocos	Public	46	47	32	32	30	32	30	31	34	0.9	-11.39	1.22	-3.71
		Private	99	94	59	66	66	67	66	70	73	1.9	-12.64	2.04	-3.74
		Total	145	141	91	98	96	99	96	101	107	2.8	-12.24	1.77	-3.73
II	Cagayan Valley	Public	49	49	34	35	35	38	35	36	36	1.4	-10.61	0.57	-3.78
		Private	60	57	44	44	42	45	44	46	41	1.6	-9.82	-1.40	-4.65
		Total	109	106	78	79	77	83	79	82	77	3.0	-10.17	-0.51	-4.25
III	Central Luzon	Public	51	51	52	53	51	54	46	49	45	0.6	1.29	-3.22	-1.55
		Private	125	126	124	122	114	114	113	120	114	1.6	-0.81	-1.35	-1.14
		Total	176	177	176	175	165	168	159	169	159	2.3	-0.19	-1.90	-1.26
IV	Southern Tagalog	Public	77	85	83	83	58	101	72	72	93	0.9	2.53	2.30	2.39
		Private	147	151	152	143	129	152	145	140	156	1.6	-0.92	1.76	0.75
		Total	224	236	235	226	187	253	217	212	249	2.5	0.30	1.96	1.33
V	Bicol	Public	44	44	44	44	44	48	44	48	48	1.1	0.00	1.76	1.09
		Private	108	103	102	94	94	94	92	93	91	2.1	-4.52	-0.65	-2.12
		Total	152	147	146	138	138	142	136	141	139	3.2	-3.17	0.14	-1.11
VI	Western Visayas	Public	49	50	50	49	50	50	48	49	50	0.9	0.09	0.40	0.25
		Private	30	31	32	31	30	41	32	32	30	0.5	1.10	-0.65	0.00
		Total	79	81	82	80	80	91	80	81	80	1.4	0.42	0.00	0.16
VII	Central Visayas	Public	42	43	43	41	41	42	40	43	44	0.9	-0.80	1.42	0.58
		Private	56	53	52	51	49	49	46	49	50	1.0	-3.07	-0.40	-1.41
		Total	98	96	95	92	90	91	86	92	94	1.9	-2.08	0.43	-0.52
VIII	Eastern Visayas	Public	49	49	49	49	48	49	45	45	48	1.4	0.00	-0.41	-0.26
		Private	30	26	23	23	25	26	24	26	26	0.8	-8.48	2.48	-1.77
		Total	79	75	72	72	73	75	69	71	74	2.2	-3.05	0.55	-0.81
IX	Western Mindanao	Public	39	38	38	38	37	27	23	20	30	1.1	-0.86	-4.62	-3.23
		Private	46	43	46	46	49	49	49	50	50	1.8	0.00	1.68	1.05
		Total	85	81	84	84	86	76	72	70	80	2.9	-0.39	-0.97	-0.75
X	Northern Mindanao	Public	48	46	46	46	43	45	37	15	19	0.8	-1.41	-16.21	-10.94
		Private	103	101	103	96	104	45	100	60	73	2.9	-2.32	-5.33	-4.21
		Total	151	147	149	142	147	90	137	75	92	3.7	-2.03	-8.31	-6.01
XI	Southern Mindanao	Public	31	27	31	33	30	42	31	22	24	0.5	2.11	-6.17	-3.15
		Private	163	167	164	153	158	162	164	152	145	3.1	-2.09	-1.07	-1.45
		Total	194	194	195	186	188	204	195	174	169	3.7	-1.39	-1.90	-1.71
XII	Central Mindanao	Public	24	26	26	26	25	19	9	8	13	0.6	2.70	-12.94	-7.38
		Private	105	98	99	96	93	100	68	72	74	3.1	-2.94	-5.07	-4.28
		Total	129	124	125	122	118	119	77	80	87	3.7	-1.84	-6.54	-4.80
ARMM	Autonomous Region of Muslim Mindanao	Public	-	-	-	-	-	22	18	16	19	0.9	-	-	-
		Private	-	-	-	-	-	4	11	12	10	0.5	-	-	-
		Total	-	-	-	-	-	26	29	28	29	1.4	-	-	-
	CARAGA	Public	-	-	-	-	-	-	-	-	16	0.8	-	-	-
		Private	-	-	-	-	-	-	-	-	24	1.2	-	-	-
		Total	-	-	-	-	-	-	-	-	40	2.1	-	-	-

Data Source : Bureau of Medical Services, Department of Health and Philippine Statistical Yearbook, 1996, NSCB

**Table A-19 NATIONAL GOVERNMENT REVENUES BY TYPE**

Items	(Unit: Million pesos)						
	1985	1990	1995	1996	Annual Average Growth Rate(%)		
					1985-1990	1990-1995	1985-1995
<b>1. Tax Revenue</b>	61,253	151,698	310,517	361,894	19.9	15.4	17.6
a. Taxes on net income and profits	18,655	49,366	111,165	-	21.5	17.6	19.5
b. Taxes on property	173	279	411	-	10.0	8.4	9.2
c. Taxes on goods and services	22,677	50,745	84,840	-	17.5	10.8	14.1
d. Taxes on international trade and transactions	18,441	46,570	97,965	-	20.4	16.0	18.2
e. Other taxes	1,307	4,738	16,130	-	29.4	27.8	28.6
<b>2. Non-tax revenue</b>	7,208	29,204	50,683	42,555	30.5	11.7	20.7
a. Non-tax revenue proper	7,225	22,642	26,866	36,326	25.3	3.5	23.9
b. Capital revenue	3	4,181	22,829	5,660	325.4	40.4	144.4
c. Grants	380	2,381	933	569	44.3	-16.1	10.0
<b>Total</b>	68,961	180,902	361,200	410,449	21.3	14.8	18.0

Data Source : Department of Budget and Management

**Table A-20 EXPENDITURE PROGRAM BY SECTOR**

Particulars	Level (in million pesos)			Percent Distribution			Increase Rate (1997:1995)
	1995	1996	1997	1995	1996	1997	
1. Education, Culture, and Manpower Development	61,658	78,959	93,512	16.6	17.7	19.6	1.52
2. Health	8,384	13,934	15,919	2.3	17.7	3.3	1.90
3. Social Security, labor and Employment	6,913	8,910	11,450	1.9	3.1	2.4	1.66
4. Housing and Community Development	3,276	2,611	2,141	0.9	2.0	0.4	0.65
5. Land Distribution	0	5,535	3,169	0.0	0.6	0.7	-
6. Other Special Services	498	4,100	3,918	0.1	1.2	0.8	1.87
7. Subsidy to Local Government Units	19,256	20,940	26,288	5.2	0.9	5.5	1.37
<b>II. Economic Services</b>	102,413	119,593	124,985	27.5	26.8	26.2	1.22
1. Agriculture, Agrarian Reform, and Natural Resour	23,586	29,763	31,597	6.3	6.7	6.6	1.34
2. Trade and Industry	6,291	3,833	4,292	1.7	0.9	0.9	0.67
3. Tourism	793	761	795	0.2	0.2	0.1	0.89
4. Power and Energy	3,490	1,147	753	0.9	0.3	0.2	0.22
5. Water Resources Development and Flood Control	3,943	3,733	4,656	1.1	0.8	0.9	1.03
6. Communications, Roads, and Other Transport	40,883	51,026	50,696	11.0	11.4	10.6	0.20
7. Other Economic Services	5,145	9,584	8,019	1.4	2.2	1.7	4.83
8. Subsidy to Local Government Units	18,215	19,808	24,857	4.9	4.4	5.2	4.9
<b>III. Defense</b>	27,493	34,849	37,092	7.4	7.8	7.8	1.35
1. Domestic Security	27,493	34,699	36,942	7.4	7.8	7.8	1.34
2. Peace and Order	0	150	150	0.0	0.0	0.0	-
<b>IV. General Public Services</b>	65,613	74,875	82,384	17.6	16.8	17.3	1.26
1. General Administration	25,649	27,064	27,609	6.9	6.1	5.8	1.08
2. Public Order and Safety	22,799	30,457	33,864	6.1	6.8	7.1	1.49
3. Other General Public Services	2,546	1,471	980	0.7	0.3	0.2	0.38
4. Subsidy to Local Government Units	14,619	15,883	19,931	3.9	3.6	4.2	1.35
<b>V. Net Lending</b>	3,696	2,504	1,111	1.0	0.6	0.2	0.30
<b>VI. Interest Payments</b>	72,851	78,893	74,201	19.6	17.7	15.6	1.02
<b>Total</b>	372,081	445,735	476,470	100.0	100.0	100.0	1.28

Note: Principal amortization is included under financing account.

Data Source: Department of Budget and Management

**Table A-21 FOREIGN TRADE OF THE PHILIPPINES**

(Unit : FOB value in million US\$)

Year	Total Trade	Export		Import		Balance of Trade Favorable Unfavorable ( - )
		Value	Percent to Total Trade	Value	Percent to Total Trade	
1971	2,450.1	1,189.3	48.5	1,260.8	51.5	-71.6
1972	2,502.0	1,168.4	46.7	1,333.6	53.3	-165.2
1973	3,433.8	1,837.2	53.5	1,596.6	46.5	240.6
1974	5,868.3	2,725.0	46.4	3,143.3	53.6	-418.3
1975	5,753.7	2,294.5	39.9	3,459.2	60.1	-1,164.7
1976	6,207.2	2,573.7	41.5	3,633.5	58.5	-1,059.8
1977	7,065.7	3,150.9	44.6	3,914.8	55.4	-763.9
1978	8,157.1	3,424.9	42.0	4,732.2	58.0	-1,307.3
1979	10,742.9	4,601.2	42.8	6,141.7	57.2	-1,540.5
1980	13,514.7	5,787.8	42.8	7,726.9	57.2	-1,939.1
1981	13,666.1	5,720.4	41.9	7,945.7	58.1	-2,225.3
1982	12,687.5	5,020.6	39.6	7,666.9	60.4	-2,646.3
1983	12,491.9	5,005.3	40.1	7,486.6	59.9	-2,481.3
1984	11,460.2	5,390.6	47.0	6,069.6	53.0	-679.0
1985	9,739.6	4,629.0	47.5	5,110.7	52.5	-481.7
1986	9,885.4	4,841.8	49.0	5,043.6	51.0	-201.8
1987	12,457.2	5,720.2	45.9	6,737.0	54.1	-1,016.7
1988	15,233.6	7,074.2	46.4	8,159.4	53.6	-1,085.2
1989	18,239.5	7,820.7	42.9	10,418.8	57.1	-2,598.1
1990	20,392.2	8,186.0	40.1	12,206.2	59.9	-4,020.1
1991	20,890.9	8,839.5	42.3	12,051.4	57.7	-3,211.9
1992	24,343.2	9,824.3	40.4	14,518.9	59.6	-4,694.6
1993	28,972.2	11,374.8	39.3	17,597.4	60.7	-6,222.6
1994	34,815.5	13,482.9	38.7	21,332.6	61.3	-7,849.7
1995	43,984.8	17,447.2	39.7	26,537.6	60.3	-9,090.4
1996 *p)	52,969.5	20,542.6	38.8	32,426.9	61.2	-11,884.4
Annual Average Growth Rate (%)	13.1	12.1	-0.9	13.9	0.7	22.7
Increase Rate (1971=1.00)	21.6	17.3	0.8	25.7	1.2	166.0

Note : \*p) ; Preliminary data

Data Source : National Statistics Office (NSO) and the Central bank of Philippines

**Table A-22 VALUE OF EXPORTS BY MAJOR COMMODITY GROUP**

(Unit: Million US\$)

Commodity Group	1990	1991	1992	1993	1994	1995	1996	Annual Average Growth Rate (%)
<b>I. Coconut Product</b>	503	447	643	532	639	989	730	6.40
1. Copra	20	19	11	7	9	13	1	-39.30
2. Coconut Oil	361	299	481	358	475	826	571	7.94
3. Desiccated Coconuts	61	66	88	84	70	68	85	5.69
4. Copra Meal Cake	54	55	53	45	53	67	56	0.61
5. Aircraft, Ships & Boats	7	8	10	38	32	15	17	15.94
<b>II. Sugar and Products</b>	133	176	110	129	77	74	139	0.74
1. Centrifugal & Refined	111	115	88	102	61	66	136	3.44
2. Molasses	22	21	21	26	14	7	3	-28.26
3. Others			1	1	2	1	0	
<b>III. Fruits and Vegetables</b>	326	393	371	439	429	458	486	6.88
1. Canned Pineapple	89	95	96	94	90	81	93	0.74
2. Pineapple Juice	7	9	7	8	9	10	11	7.82
3. Pineapple Concentrates	24	27	24	22	22	24	27	1.98
4. Bananas	149	173	158	226	215	224	237	8.04
5. Mangoes	15	24	29	27	30	43	40	17.76
6. Others	42	65	57	62	63	76	78	10.87
<b>IV. Other Agro-Based Products</b>	431	504	432	476	530	575	506	2.71
1. Fish, Fresh or reserved of which: Shrimps & Prawns	294	353	290	343	379	378	296	0.11
	219	273	211	225	245	215	149	-6.22
2. Coffee, Raw, not Roasted	8	5	1	1	8	7	1	-29.29
3. Abaca, Fibers	16	17	21	19	20	23	21	4.64
4. Tobacco Unmanufactured	20	43	34	26	23	21	29	6.39
5. Natural Rubber	12	13	9	12	14	28	33	18.36
6. Ramie Fibers, Raw or Roasted	5	3	1	1	1	0	0	
7. Seaweeds, Dried	50	21	19	18	22	39	42	-2.86
8. Rice		2	9			0	0	
9. Others	26	47	48	56	63	79	84	21.59
<b>V. Forest Products</b>	94	73	57	45	26	38	42	-12.56
1. Logs	...	...	...	...	...	...	0	
2. Lumber	19	20	19	26	10	18	25	4.68
3. Plywood	59	44	31	17	4	6	5	-33.72
4. Veneer Sheets/ Corestocks	13	8	7	2	12	14	12	-1.33
4. Others	3	1				0	0	
<b>VI. Mineral Products</b>	723	610	633	686	780	893	772	1.10
1. Copper Concentrates	207	174	140	109	113	134	52	-20.57
2. Copper Metals	281	222	217	264	270	341	297	0.93
3. Gold	90	65	128	51	65	62	55	-7.88
4. Iron Ore Agglomerates	81	78	63	62	74	74	70	-2.40
5. Chromium Ore	17	16	14	9	8	12	8	-11.81
6. Nickel		1				0	0	
7. Others	47	54	71	191	250	270	290	35.43
<b>VII. Petroleum Products</b>	155	175	150	136	132	171	273	9.89
<b>VIII. Manufactures</b>	5,707	6,403	7,298	8,729	10,615	13,868	17,106	20.08
1. Elec. & Elec. Eqpt Parts & Telecom	1,964	2,293	2,753	3,551	4,984	7,413	9,990	31.14
2. Garments	1,776	1,861	2,140	2,272	2,375	2,570	2,423	5.31
3. Textile Yarns Fabrics	93	100	121	118	173	208	253	18.15
4. Footwear	109	141	144	168	210	207	171	7.79
5. Travel Goods and Handbags	43	45	53	54	76	110	121	18.82
6. Wood Manufactures	117	117	113	105	129	134	151	4.34
7. Furniture & Fixtures	189	177	181	203	240	276	293	7.58
8. Chemicals	261	304	268	262	306	343	353	5.16
9. Non-Metallic Mineral Manufactures	57	74	80	87	96	108	95	8.89
10. Machinery & transport Equipment	150	181	288	363	469	741	1,296	43.25
11. Processed Food and Beverages	207	233	220	271	303	292	334	8.30
12. Iron & Steel	77	53	23	50	53	56	80	0.64
13. Baby Carr., Toys, Games & Sporting	67	117	149	168	190	231	224	22.28
14. Basketwork, Wickerwork & Other Articles of Plaiting Materials	128	122	133	132	134	125	101	-3.87
15. Misc. Manufactured Articles, n.e.s.	133	146	163	187	194	200	220	8.75
16. Others	336	439	469	738	683	854	1,001	19.95
<b>IX. Special Transactions</b>	19	17	32	38	74	108	157	42.19
<b>X. Re-Exports</b>	95	82	98	165	181	273	332	23.19
<b>Total</b>	<b>8,186</b>	<b>8,840</b>	<b>9,824</b>	<b>11,375</b>	<b>13,483</b>	<b>17,447</b>	<b>20,543</b>	<b>16.57</b>

Data Source : National Statistics Office (NSO)



**Table A-23 VALUE OF IMPORTS BY COMMODITY GROUPS**

Commodity Group	(Unit : Million US\$)							Annual Average Growth Rate (%)
	1990	1991	1992	1993	1994	1995	1996	
<b>I. Capital Goods</b>	3,122	2,952	4,023	5,610	6,868	8,029	10,472	22.35
1. Power Generating & Specialized machines	1,282	1,047	1,434	2,078	2,502	2,874	3,647	19.03
2. Office & EDP machines	126	151	369	274	333	525	867	37.91
3. Telecommunication Eqpt. & Elect. Mach.	972	1,186	1,471	1,914	2,531	3,211	4,211	27.68
4. Land Transport Eqpt., excl. Passengers cars & Motorized Cycle	295	186	271	370	401	602	822	18.62
5. Aircraft, Ships & Boats	305	238	305	723	799	459	459	7.05
6. Prof. Sci. & Cont. Instr.: Photographic Eqpt. & Optical Goods	142	144	173	251	302	358	466	21.90
<b>II. Raw Materials &amp; Intermediate Goods</b>	5,808	5,851	6,759	7,855	9,606	12,174	14,048	15.86
1. Unprocessed Raw materials	862	841	947	981	1,278	1,562	1,720	12.20
Wheat	220	172	235	260	324	349	375	9.30
Corn	50	-	-	-	-	33	86	9.46
Unmilled cereals excl. rice & corn	1	1	7	1	2	2	2	12.25
Crude Materials, inedible	532	597	613	664	862	1,090	1,195	14.44
Tobacco, unmanufactured	59	71	92	56	90	83	62	0.83
2. Semi-Processed Raw Materials	4,946	5,010	5,812	6,874	8,328	10,612	12,328	16.44
Feeding stuffs for animals	174	153	186	234	195	263	187	1.21
Animal & vegetable oils & fats	25	22	34	24	38	38	57	14.72
Chemical	1,367	1,328	1,492	1,668	2,016	2,406	2,574	11.12
Manufactured goods	1,794	1,714	2,139	2,590	2,893	3,572	3,948	14.05
Paper & paper products	139	125	155	189	261	310	309	14.24
Textile yarn, fabrics & made-up articles	547	539	642	704	780	872	825	7.09
Non-metallic mineral manufactures	114	63	126	104	118	186	276	15.88
Iron & steel	572	564	676	820	870	1,312	1,436	16.58
Non-ferrous metals	177	170	209	209	260	335	347	11.87
Metal products	132	146	176	366	391	297	405	20.54
Others	113	107	155	198	213	260	350	20.73
Embroideries	426	514	502	468	411	472	349	-3.27
Mat/Acc for the mfr. of elec. eqpt.	1,106	1,208	1,401	1,808	2,711	3,772	5,130	29.14
Iron ore, not agglomerated	54	71	58	82	64	89	83	7.43
<b>III. Mineral Fuels &amp; Lubricant</b>	1,842	1,784	2,050	2,016	2,040	2,461	3,008	8.52
1. Coal, Coke	36	65	30	31	33	59	81	14.47
2. Petroleum, Crude	1,583	1,400	1,627	1,316	1,308	1,931	2,458	7.61
3. Others	223	319	393	669	699	471	469	13.19
<b>IV. Consumer Goods</b>	1,061	990	1,241	1,587	2,109	2,784	3,331	21.01
1. Durable	392	478	620	842	1,124	1,459	1,653	27.11
Passenger cars & motorized cycle	215	256	333	471	625	801	932	27.69
Home appliances	25	34	50	59	95	152	123	30.41
Misc. manufactures	152	188	237	312	404	506	598	25.64
2. Non-Durable	669	512	621	745	985	1,325	1,678	16.56
Food & live animals chiefly for food	628	460	562	637	815	1,204	1,578	16.60
Dairy products	253	211	253	260	316	409	389	7.43
Fish & fish preparation	48	62	61	49	53	59	69	6.24
Rice	117	-	-	36	0	76	294	16.60
Fruits & vegetables	50	37	54	66	99	97	123	16.19
Others	160	150	194	226	347	563	703	27.98
Beverage & tobacco mfr.	28	33	37	77	138	72	46	8.63
Article of apparel, access	13	19	22	31	32	49	54	26.79
<b>V. Special Transactions</b>	373	474	446	529	710	943	1,016	18.18
1. Articles Temporarily imported & exported	150	193	179	266	434	530	705	29.42
2. Others	223	276	267	263	276	413	311	5.70
<b>Total</b>	<b>12,206</b>	<b>12,051</b>	<b>14,519</b>	<b>17,597</b>	<b>21,333</b>	<b>26,391</b>	<b>31,875</b>	<b>17.55</b>

Data Source : National Statistics Office (NSO)

Table A-24 BALANCE OF PAYMENT

Item	(Unit: Million US\$)							Annual Average Growth Rate (%)	Increased Amount (1990-1996)
	1990	1991	1992	1993	1994	1995	1996		
<b>I. Current Account</b>									
<b>A. Trade Net</b>	-3,281	-1,696	-1,675	-3,715	-3,886	-4,179	-4,503	5.4	-1,222
(As percent of GNP)	-7.4	-3.7	-3.1	-6.7	-5.9	-5.5	-5.2		2.2
<b>Goods Net</b>	-4,020	-3,211	-4,695	-6,222	-7,850	-8,944	-11,342	18.9	-7,322
(As percent of GNP)	-9.1	-7.0	-8.7	-11.2	-11.9	-11.7	-13.0		-3.9
Exports	8,186	8,840	9,824	11,375	13,483	17,447	20,543	16.6	12,357
Imports	12,206	12,051	14,519	17,597	21,333	26,391	31,885	17.4	19,679
<b>Service Net</b>	739	1,515	3,020	2,507	3,964	4,765	6,839	44.9	6,100
Receipts	4,842	5,624	7,443	7,497	10,550	14,374	19,006	25.6	14,164
Payments	4,103	4,109	4,423	4,990	6,586	9,609	12,167	19.9	8,064
<b>B. Transfers, Net</b>	714	827	817	699	936	882	589	-3.2	-125
Inflow	717	828	826	746	1,041	1,147	1,185	8.7	468
Outflow	3	1	9	47	105	265	596	141.6	593
<b>Current Account Net</b>	-2,567	-869	-858	-3,016	-2,950	-3,297	-3,914	7.3	-1,347
(As percent of GNP)	-5.8	-1.9	-1.6	-5.5	-4.5	-4.3	-4.5		1.3
<b>II. Capital and Financial Account</b>									
<b>A. Medium &amp; Long-Term Loans, Net</b>	674	835	633	2,455	1,313	1,276	2,690	25.9	2,016
Availability	4,575	3,622	7,432	5,205	4,369	3,927	6,329	5.6	1,754
Repayment	3,901	2,787	6,799	2,750	3,056	2,651	3,639	-1.2	-262
<b>B. Investments, Net</b>	480	654	737	812	1,558	1,609	1,168	16.0	688
Non-Res. Investments in the Phils	498	681	931	2,135	2,492	2,944	3,621	39.2	3,123
Residents Investments Abroad	18	27	194	1,323	934	1,335	2,453	126.8	2,435
<b>C. Change in the NFA of KBs</b>	603	40	289	-299	674	1,574	4,211	38.3	3,608
<b>D. Purchase of Collateral</b>	-	-	-469	-	-	-	-	-	-
<b>E. Short-Term Capital Net</b>	19	349	660	-148	1,002	-56	540	74.7	521
Capital and Financial Account, Net	1,776	1,878	1,850	2,820	4,547	4,403	8,609	30.1	6,833
<b>III. Others</b>									
<b>A. Monetization of Gold</b>	218	245	130	113	154	177	198	-1.6	-20
<b>B. Revaluation Adjustments</b>	800	387	527	431	100	-96	-203	14.5	-1,003
<b>Others Total</b>	1,018	632	657	544	254	81	-5	12.3	-1,023
<b>IV. Net Unclassified Items</b>	-320	462	-157	-514	-49	-556	-583	-10.5	-263
<b>V. Overall BOP position</b>	-93	2,103	1,492	-166	1,802	631	4,107	88.7	4,200
(As percent of GNP)	-0.2	4.6	2.8	-0.3	2.7	0.8	4.7		

Data Source: FED, MEDD, TD, DER, BSP

Table A-25 SELECTED EXTERNAL DEBT RATIOS

Item	(Unit: Million US\$)							Annual Average Growth Rate (%)	
	1990	1991	1992	1993	1994	1995	1996		
<b>I. Debt Service Burden (DSB)</b>									
Principal	1,712	1,140	1,607	1,791	2,647	2,853	2,795	8.51	
Interest	1,835	1,688	1,335	1,438	1,541	2,179	2,166	2.80	
Total	3,547	2,828	2,942	3,229	4,188	5,032	4,961	5.75	
<b>II. Export Shipment</b>	8,186	8,840	9,824	11,375	13,483	17,447	20,543	16.57	
<b>III. Exports of Goods &amp; Services</b>	13,028	14,464	17,267	18,872	24,033	31,821	39,549	20.33	
<b>IV. Current Account Receipts</b>	13,745	15,292	18,093	19,618	25,074	32,968	40,734	19.85	
<b>V. Gross National Product</b>	44,073	45,656	53,889	55,321	65,742	76,180	87,084	12.02	
<b>VI. Foreign Exchange Liabilities (End of Period)</b>	28,549	29,956	30,934	34,282	37,079	37,778	41,875	6.59	
<b>VII. Gross International Reserves (End of Period)</b>	2,048	4,526	5,338	5,922	7,122	7,762	11,745	33.79	
<b>VIII Ratios (%)</b>									
1. DSB to Export Shipments	43.33	31.99	29.95	28.39	31.06	28.84	24.15	-9.28	
2. DSB to Export of Goods & Services	27.23	19.55	17.04	17.11	17.43	15.81	12.54	-12.12	
3. DSB to Current Account Receipts	25.81	18.49	16.26	16.46	16.70	15.26	12.18	-11.76	
4. DSB to Gross National Product	8.05	6.19	5.46	5.84	6.37	6.61	5.70	-5.60	
5. Foreign Exchange Liabilities to Gross National Product	64.78	65.61	57.40	61.97	56.40	49.59	48.09	-4.84	
6. Gross International Reserves to Debt Service Burden	57.74	160.04	181.44	183.40	170.06	154.25	236.75	26.51	

Data Source: Central Bank of Philippines

**Table A-26 LONG-TERM TREND OF PESO TO U.S. DOLLAR RATE**

Year	Exchange Rate		Index (1976=1.00)	
	Peso per US Dollar Rate	US Dollar per Peso Rate	Peso per US Dollar Rate	US Dollar per Peso Rate
1976	7.4403	0.1344	1.00	1.00
1977	7.4028	0.1351	0.99	1.01
1978	7.3658	0.1358	0.99	1.01
1979	7.3776	0.1355	0.99	1.01
1980	7.5114	0.1331	1.01	0.99
1981	7.8997	0.1266	1.06	0.94
1982	8.5400	0.1171	1.15	0.87
1983	11.1127	0.0900	1.49	0.67
1984	16.6987	0.0599	2.24	0.45
1985	18.6073	0.0537	2.50	0.40
1986	20.3857	0.0491	2.74	0.36
1987	20.5677	0.0486	2.76	0.36
1988	21.0947	0.0474	2.84	0.35
1989	21.7367	0.0460	2.92	0.34
1990	24.3105	0.0411	3.27	0.31
1991	27.4786	0.0364	3.69	0.27
1992	25.5125	0.0392	3.43	0.29
1993	27.1198	0.0369	3.65	0.27
1994	26.4172	0.0379	3.55	0.28
1995	26.7144	0.0374	3.59	0.28
1996	26.2157	0.0381	3.52	0.28
1997	28.7707	0.0348	3.87	0.26

Note : The figure of 1997 is the average of eleven months (Jan. to Nov.).

**Table A-27 RESULT OF POPULATION PROJECTION BY REGION**

(Unit : Person)

No.	Region	1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate (%)					
									(1995~2000)	(2000~2005)	(2005~2010)	(2010~2015)	(2015~2020)	(2020~2025)
	NCR	9,421,134	10,405,479	11,289,368	12,020,405	12,590,106	13,025,085	13,354,238	2.01	1.64	1.26	0.93	0.68	0.50
	CAR	1,249,332	1,400,490	1,553,173	1,701,556	1,836,951	1,958,321	2,068,986	2.31	2.09	1.84	1.54	1.29	1.11
I	Ilocos	3,791,683	4,140,531	4,481,820	4,802,027	5,086,178	5,328,297	5,531,879	1.78	1.60	1.39	1.16	0.93	0.75
II	Cagayan Valley	2,525,814	2,812,589	3,086,812	3,341,083	3,560,659	3,741,170	3,895,578	2.17	1.88	1.60	1.28	0.99	0.81
III	Central Luzon	6,906,819	7,686,845	8,426,578	9,101,473	9,687,697	10,193,769	10,630,076	2.16	1.85	1.55	1.26	1.02	0.84
IV	So. Tagalog	9,903,972	11,301,272	12,810,064	14,441,165	16,233,025	18,055,608	19,902,706	2.67	2.54	2.43	2.37	2.15	1.97
V	Bicol	4,309,488	4,755,820	5,165,243	5,560,622	5,920,227	6,230,565	6,498,361	1.99	1.67	1.49	1.26	1.03	0.85
VI	Western Visayas	5,756,625	6,324,098	6,884,429	7,421,267	7,905,982	8,328,251	8,694,391	1.90	1.71	1.51	1.27	1.05	0.86
VII	Central Visayas	4,997,998	5,539,177	6,068,238	6,566,845	7,018,122	7,414,063	7,762,096	2.08	1.84	1.59	1.34	1.10	0.92
VIII	Eastern Visayas	3,356,854	3,743,895	4,133,242	4,523,762	4,898,176	5,245,032	5,566,078	2.21	2.00	1.82	1.60	1.38	1.20
IX	Western Mindanao	2,782,363	3,152,009	3,522,722	3,883,061	4,216,134	4,517,814	4,797,662	2.53	2.25	1.97	1.66	1.39	1.21
X	Northern Mindanao	3,938,252	4,441,739	4,955,545	5,465,272	5,951,777	6,399,698	6,819,612	2.44	2.21	1.98	1.72	1.46	1.28
XI	Southern Mindanao	5,052,730	5,749,821	6,456,464	7,146,889	7,787,983	8,374,403	8,924,216	2.62	2.35	2.05	1.73	1.46	1.28
XII	Central Mindanao	2,348,224	2,660,270	2,971,763	3,267,367	3,529,247	3,759,381	3,968,606	2.53	2.24	1.91	1.55	1.27	1.09
	ARMM	2,008,166	2,206,106	2,409,317	2,608,497	2,785,333	2,931,709	3,058,102	1.90	1.78	1.60	1.32	1.03	0.85
	Total	68,349,454	76,320,141	84,214,778	91,851,291	99,007,597	105,503,166	111,472,586	2.23	1.99	1.75	1.51	1.28	1.11

Data Source : 1. Total population : National Statistics Office for the period from 1995 to 2025

2. Regional population : National Statistics Office for the period from 1995 to 2020.

Note : The regional population for the year of 2025 was projected by the study team.

Table A-28 THE RESULT OF POPULATION PROJECTION BY REGION AND BY PROVINCE

No.	Region	Province	Annual Average Growth Rate (%)																				
			1970	1975	1980	1990	1995	2000	2005	2010	2015	2020	2025	1970-1975	1975-1980	1980-1990	1990-1995	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025
			(May 6)	(May 1)	(May 1)	(May 1)	(Sep. 1)																
			1964	1970	1976	1982	1988	1994	2000	2006	2012	2018	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025
I	NER		145	147	150	153	156	159	162	165	168	171	0.14	0.17	0.20	0.23	0.26	0.29	0.32	0.35	0.38	0.41	0.44
		Abra	264	302	355	485	541	626	709	792	874	950	1.023	2.73	3.29	3.19	2.17	2.95	2.55	2.25	1.97	1.70	1.49
		Benguet	92	105	111	147	150	179	199	219	237	252	2.66	2.68	1.12	2.65	0.43	3.54	2.19	1.95	1.54	1.28	1.10
		Kalinga	176	163	185	212	238	253	277	298	315	328	339	3.69	2.56	1.37	2.34	1.78	1.86	1.49	1.07	0.63	0.65
		Mountain Province	93	94	101	117	131	135	146	158	168	176	1.83	0.21	1.85	1.28	2.29	0.65	1.55	1.54	1.24	0.99	0.81
		Subtotal	731	811	914	1,147	1,256	1,400	1,553	1,702	1,803	1,958	2,064	2.10	2.42	2.30	1.83	2.19	2.10	1.83	1.54	1.28	1.10
		Ilocos Norte	341	372	391	462	483	525	562	598	628	652	674	1.64	1.70	1.68	0.99	1.70	1.57	1.24	0.98	0.76	0.64
		Ilocos Sur	385	420	434	520	545	584	622	657	686	708	726	1.78	1.12	1.59	0.94	1.41	1.27	1.09	0.85	0.64	0.49
		La Union	374	415	457	549	597	647	703	755	804	848	886	2.10	1.77	1.54	1.69	1.83	1.67	1.45	1.27	1.05	0.90
		Pangasinan	1,285	1,520	1,616	2,020	2,178	2,300	2,504	2,791	2,958	3,120	3,252	1.85	1.48	2.13	1.52	1.81	1.71	1.48	1.21	1.01	0.83
		Subtotal	2,448	2,727	2,924	3,551	3,807	4,180	4,482	4,802	5,085	5,338	5,537	1.85	1.40	1.96	1.29	1.71	1.60	1.39	1.16	0.93	0.77
II	Cagayan Valley		11	12	12	15	14	17	18	20	21	22	1.76	0.00	2.26	-1.37	3.66	1.10	2.03	0.92	0.81	0.79	
		Cagayan	541	644	711	830	895	965	1,036	1,123	1,192	1,249	1,297	2.08	2.00	1.55	1.52	1.52	1.62	1.43	1.20	0.94	0.76
		Isabela	648	700	871	1,080	1,161	1,317	1,450	1,566	1,656	1,726	1,779	2.41	3.60	2.17	1.36	2.56	1.95	1.54	1.13	0.83	0.60
		Nueva Vizcaya	222	243	242	301	335	366	405	445	483	517	544	-0.82	2.59	2.71	2.16	1.78	2.07	1.67	1.09	1.34	1.05
		Quirino	59	65	83	114	131	147	168	188	209	227	244	5.71	4.69	3.22	2.82	2.34	2.65	2.34	2.08	1.72	1.44
		Subtotal	1,517	1,665	1,919	2,343	2,536	2,812	3,067	3,341	3,563	3,741	3,897	1.95	1.40	1.96	1.29	2.09	1.88	1.59	1.24	0.99	0.77
III	Central Luzon		218	263	324	426	492	578	671	769	878	979	738	4.02	4.20	2.81	2.92	1.80	1.91	1.57	1.18	0.94	0.77
		Bataan	836	900	1,096	1,505	1,784	1,924	2,138	2,332	2,508	2,789	2,978	1.49	4.02	3.22	3.46	1.53	2.21	2.00	1.76	1.51	1.32
		Nueva Ecija	651	948	1,069	1,213	1,506	1,589	1,723	1,935	1,926	1,988	2,056	2.18	2.43	2.08	2.78	1.08	1.62	1.28	0.97	0.74	0.57
		Pangasinan	907	1,042	1,182	1,533	1,636	1,907	2,087	2,245	2,376	2,484	2,574	2.81	2.55	2.63	1.31	3.11	1.82	1.47	1.14	0.90	0.72
		Tarlac	560	641	689	860	936	1,045	1,135	1,215	1,281	1,334	1,377	2.74	1.45	2.24	1.92	2.01	1.67	1.38	1.06	0.81	0.63
		Zambales	343	415	444	563	569	684	742	794	839	878	912	5.93	1.31	2.40	0.21	3.74	1.66	1.36	1.11	0.91	0.77
		Subtotal	3,713	4,310	4,803	6,290	6,933	7,687	8,427	9,101	9,688	10,194	10,635	2.54	1.40	1.96	1.29	2.09	1.86	1.55	1.26	1.02	0.83
IV	Southern Tagalog		83	99	107	140	160	197	229	261	288	314	371	2.38	3.52	3.72	2.71	4.28	3.03	2.68	2.63	2.35	2.12
		Antique	926	1,012	1,174	1,477	1,659	1,843	2,017	2,179	2,348	2,501	2,642	2.19	2.61	2.32	2.35	2.12	1.82	1.58	1.51	1.27	1.10
		Capiz	520	628	771	1,153	1,610	1,704	1,823	1,958	2,109	2,267	2,439	2.85	4.19	4.11	6.91	1.19	1.31	2.45	2.43	2.20	2.03
		Ilogos	700	854	973	1,330	1,631	1,933	2,205	2,458	2,641	2,771	3,040	2.61	3.89	3.48	3.55	3.46	3.58	2.99	2.53	2.28	2.10
		Mandaya	144	163	174	185	210	218	235	245	258	274	276	2.51	1.31	0.67	1.46	1.30	1.39	0.96	1.07	0.73	0.60
		Occ. Mindoro	144	186	227	263	337	371	414	465	517	568	618	5.25	3.60	2.48	3.55	1.95	2.39	2.18	2.14	1.89	1.70
		Palawan	328	389	447	550	626	724	814	902	997	1,087	1,172	3.47	2.82	2.10	2.06	3.32	2.36	2.08	2.02	1.74	1.53
		Quezon	237	300	372	528	640	747	877	1,021	1,192	1,376	1,577	4.83	4.40	3.56	3.92	3.15	3.25	3.08	3.15	2.92	2.76
		Rizal	903	1,116	1,129	1,372	1,538	1,739	1,977	2,168	2,373	2,572	2,768	4.33	0.23	1.97	2.31	2.95	2.13	1.85	1.84	1.63	1.45
		Romblon	307	414	556	977	1,313	1,429	1,679	1,879	2,152	2,356	3,001	3,491	6.16	6.08	5.80	6.09	2.68	3.83	3.53	3.50	3.26
		Subtotal	167	182	193	228	245	282	309	335	364	391	416	1.74	1.18	1.68	1.45	2.83	1.85	1.63	1.68	1.44	1.26
		Subtotal	4,656	5,304	6,113	8,264	9,932	11,201	12,810	14,440	16,213	18,056	19,931	3.55	1.40	1.96	1.29	2.60	2.54	2.43	2.33	2.15	2.00
V	Bicol		674	729	809	974	1,105	1,256	1,429	1,619	1,826	1,978	1,978	1.58	2.10	1.12	2.14	1.75	1.76	1.52	1.22	0.97	0.77
		Camarines Norte	262	298	308	391	439	511	579	647	713	777	837	1.91	1.35	2.41	2.34	3.10	2.50	2.26	1.97	1.72	1.51
		Camarines Sur	518	1,024	1,089	1,308	1,433	1,642	1,806	1,998	2,113	2,251	2,349	1.55	1.42	1.74	1.87	2.76	1.93	1.73	1.47	1.23	1.03
		Canindig	152	173	175	197	203	229	254	279	302	325	347	1.32	0.67	1.66	2.47	2.69	1.88	1.59	1.45	1.34	1.24
		Masbate	493	513	585	599	654	678	704	726	743	752	757	1.57	1.85	0.34	1.77	0.71	0.76	0.63	0.47	0.23	0.13
		Sorsogon	427	447	501	523	592	600	626	651	674	689	697	0.92	2.31	0.43	2.51	0.26	0.85	0.79	0.69	0.45	0.23
		Subtotal	2,968	3,194	3,477	3,970	4,336	4,756	5,165	5,561	5,929	6,231	6,501	1.49	1.40	1.96	1.29	1.91	1.66	1.43	1.26	1.03	0.85
VI	Western Visayas		263	283	323	381	411	450	499	546	588	617	2.18	2.09	1.60	1.53	1.40	1.71	1.59	1.38	1.14	0.96	0.79
		Antique	269	308	345	426	432	480	525	572	617	659	700	1.28	2.29	1.64	1.25	2.12	1.83	1.72	1.53	1.54	1.21
		Capiz	394	446	492	584	624	681	743	803	858	905	946	2.51	1.98	1.73	1.33	1.76	1.75	1.57	1.33	1.08	0.89
		Iloilo	1,104	1,313	1,404	1,765	1,876	2,067	2,246	2,417	2,574	2,711	2,834	2.37	1.78	2.10	1.25	1.96	1.67	1.48	1.26	1.04	0.89
		Negros Occ.	1,504	1,786	1,930	2,257	2,434	2,658	2,891	3,110	3,302	3,464	3,604	3.50	1.56	1.58	1.52	1.76	1.71	1.47	1.20	0.97	0.79
		Subtotal	3,674	4,156	4,536	5,391	5,777	6,324	6,834	7,421	7,906	8,328	8,701	2.76	1.49	1.96	1.29	1.83	1.71	1.51	1.27	1.05	0.88
VII	Central Visayas		683	759	806	948	994	1,139	1,256	1,367	1,471	1,567	2.13	1.21	1.64	0.95	2.76	1.97	1.74	1.48	1.27	1.12	
		Cebu	1,834	1,818	2,082	2,446	2,924	3,246	3,585	3,998	4,356	4,651	4,878	2.16	2.85	2.38	2.00	2.13	2.02	1.73	1.44	1.19	1.00
		Negros Occ.	715	740	819	925	1,025	1,102	1,180	1,253	1,327	1,392	1,432	0.69	2.05	-1.22	2.07	0.90	1.24	1.08	0.89	0.66	0.50
		Samar	63	69	70	74	74	82	85	90	94	96	98	1.84	0.29	0.56	0.00	2.17	0.93	0.88	0.79	0.52	0.31
		Subtotal	3,065	3,366	3,757	4,559	5,014	5,533	6,068	6,567	7,018	7,413	7,763	1.81	1.40	1.96	1.29	2.10	1.84	1.59	1.34	1.10	0.93
VIII	Eastern Visayas		1,111	1,203	1,260	1,368	1,443	1,627	1,788	1,955	2,128	2,305	2										

Table A-29 THE RESULT OF PROJECTION FOR URBAN AND RURAL POPULATION BY WATER RESOURCE REGION AND RIVER BASIN

(Unit: 1,000 persons)

No.	Water Resources Region	River Basin	1995			2000			2005			2010			2015			2020			2025		
			Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
I	Ilocos		99	316	415	114	330	444	128	348	476	143	362	505	157	372	529	169	379	548	180	384	564
		Abra	68	177	245	75	191	266	82	203	285	88	215	303	93	224	317	97	232	329	100	240	340
		Laosig	167	493	660	189	521	710	210	551	761	231	577	808	250	596	846	266	611	877	280	624	904
		Sub-total	467	1,002	1,469	554	1,055	1,609	649	1,101	1,750	745	1,139	1,884	841	1,167	2,008	933	1,183	2,116	1,019	1,195	2,214
		Other Area	634	1,405	2,039	743	1,576	2,319	859	1,652	2,511	976	1,716	2,692	1,091	1,763	2,854	1,199	1,794	2,993	1,299	1,819	3,118
		Total	1,400	3,107	4,514	1,540	3,156	4,696	1,724	3,302	4,861	1,953	3,502	5,276	2,219	3,652	6,108	2,388	4,067	6,455	2,598	3,614	6,212
II	Cagayan Valley		508	1,797	2,305	389	1,976	2,365	675	2,147	2,822	757	2,304	3,061	830	2,439	3,269	890	2,550	3,440	937	2,633	3,569
		Cabagan	36	174	210	41	184	225	47	198	245	54	209	263	60	219	279	67	224	291	72	250	302
		Abulog	341	1,971	2,512	630	2,160	2,790	722	2,345	3,067	811	2,513	3,324	890	2,638	3,548	957	2,774	3,731	1,009	2,873	3,882
		Sub-total	99	437	536	116	456	572	135	489	624	154	519	673	172	540	712	187	556	743	201	569	770
		Other Area	640	2,038	2,678	746	2,016	2,762	857	2,834	3,691	965	3,032	3,997	1,062	3,198	4,280	1,144	3,330	4,474	1,210	3,442	4,652
		Total	1,248	3,475	4,723	1,365	4,172	5,527	1,612	4,626	6,356	1,819	5,336	7,273	2,081	5,638	8,049	2,241	6,386	10,204	2,411	6,315	8,726
III	Central Luzon		3,013	11,779	14,792	3,556	17,722	21,278	4,145	16,556	20,701	4,731	15,550	20,281	5,209	14,999	20,208	5,820	14,538	20,358	6,596	14,110	20,706
		Pampanga	828	1,290	2,118	998	1,342	2,340	1,184	1,374	2,558	1,378	1,384	2,762	1,575	1,367	2,942	1,768	1,329	3,097	1,957	1,276	3,233
		Agno	3,841	3,069	6,910	4,554	3,064	7,618	5,329	3,030	8,359	6,109	2,934	9,043	6,784	2,866	9,650	7,388	2,787	10,175	7,953	2,686	10,639
		Sub-total	1,251	1,296	2,547	1,494	1,376	2,870	1,724	1,417	3,141	1,953	1,438	3,391	2,173	1,442	3,615	2,380	1,431	3,811	2,571	1,414	3,985
		Other Area	5,092	4,365	9,457	6,048	4,440	10,488	7,053	4,447	11,588	6,062	4,372	12,434	6,937	4,308	13,265	9,768	4,218	13,986	10,324	4,100	14,624
		Total	12,536	594	13,130	14,136	490	14,626	15,833	423	16,256	17,441	334	17,775	18,978	225	19,203	20,323	219	20,542	21,601	221	21,822
IV	Southern Tagalog		87	78	165	110	71	181	140	64	204	176	51	227	218	34	252	12	277	302	0	302	
		Arroyo-Panitik	12,623	672	13,295	14,246	561	14,807	15,973	487	16,460	17,617	385	18,002	19,196	259	19,455	20,588	231	20,819	21,903	221	22,124
		Sub-total	2,569	3,436	6,005	3,017	3,752	6,769	3,486	4,000	7,486	4,032	4,249	8,281	4,653	4,506	9,161	5,308	4,718	10,026	5,918	4,970	10,898
		Other Area	15,192	4,108	19,300	17,229	4,313	21,542	19,459	4,487	23,946	21,649	4,634	26,283	23,851	4,765	28,616	25,896	4,749	30,385	27,821	3,191	33,012
		Total	397	832	1,229	480	915	1,395	558	977	1,335	639	1,034	1,670	719	1,080	1,799	795	1,117	1,912	868	1,444	2,012
V	Bicol		824	2,772	3,596	937	2,424	3,361	1,061	2,569	3,630	1,186	2,701	3,887	1,306	2,815	4,121	1,416	2,904	4,320	1,512	2,977	4,489
		Other Area	1,221	3,104	4,325	1,417	3,339	4,756	1,619	3,546	5,165	1,825	3,735	5,560	2,025	3,895	5,390	2,221	4,021	6,232	2,540	4,121	6,561
VI	Western Visayas		194	393	587	249	391	640	316	382	698	361	355	481	326	307	807	374	277	651	422	217	639
		Panay	329	344	673	385	350	733	409	358	767	489	368	857	531	379	910	561	393	954	586	406	992
		Ilog-Hilagang	237	393	630	286	408	694	336	418	754	388	423	811	438	426	864	485	425	910	527	424	951
		Sub-total	760	1,130	1,890	918	1,149	2,067	1,091	1,158	2,250	1,271	1,152	2,423	1,450	1,131	2,581	1,650	1,095	2,715	1,785	1,047	2,832
		Other Area	1,766	2,646	4,412	2,085	2,721	4,806	2,428	2,790	5,218	2,770	2,842	5,612	3,090	2,879	5,969	3,374	2,904	6,278	3,638	2,912	6,550
		Total	2,526	3,776	6,302	3,003	3,870	6,873	3,519	3,948	7,468	4,041	3,994	8,035	4,540	4,010	8,550	4,994	3,999	8,993	5,423	3,959	9,382
VII	Central Visayas		2,130	2,357	4,487	2,554	2,465	4,990	2,951	2,533	5,484	3,392	2,558	5,950	3,330	2,544	6,374	4,256	2,492	6,748	4,610	2,474	7,084
		Other Area	1,019	2,348	3,367	1,156	2,588	3,744	1,411	2,722	4,133	1,631	2,893	4,524	1,855	3,043	4,898	2,078	3,167	5,245	2,275	3,297	5,572
VIII	Eastern Visayas		1,391	2,650	4,041	1,756	2,687	4,443	2,180	2,699	4,879	2,654	2,653	5,307	3,158	2,526	5,684	3,670	2,348	6,018	4,665	2,243	6,308
IX	Southwestern Mindanao		306	666	972	351	813	1,164	409	923	1,332	473	1,043	1,516	546	1,194	1,740	622	1,349	1,971	700	1,515	2,215
X	Northern Mindanao		141	208	349	182	223	405	226	230	456	273	232	505	321	231	552	365	228	593	402	228	630
		Tigalon	160	182	342	204	190	394	256	187	443	312	180	492	370	167	537	423	155	578	462	151	613
		Sub-total	607	1,066	1,673	737	1,226	1,963	891	1,340	2,231	1,058	1,455	2,513	1,237	1,592	2,829	1,410	1,732	3,142	1,564	1,894	3,458
		Other Area	883	691	1,574	1,028	676	1,704	1,208	647	1,853	1,392	599	1,991	1,570	530	2,100	1,709	475	2,184	1,767	478	2,245
		Total	1,490	1,757	3,247	1,765	1,902	3,667	2,099	2,086	4,086	2,450	2,054	4,504	2,807	2,122	4,929	3,119	2,207	5,326	3,331	2,372	5,703
XI	Southeastern Mindanao		197	355	552	201	525	726	218	559	777	234	592	826	262	655	917	289	716	1,005	314	776	1,090
		Tagan-Luganong	103	196	299	165	158	323	210	176	386	260	190	450	308	196	504	357	200	557	400	207	607
		Buyuan-Malungun	295	289	584	316	296	612	339	324	663	402	348	750	433	364	797	460	376	836	479	387	866
		Davao	595	840	1,435	662	979	1,641	787	1,059	1,846	896	1,130	2,026	1,003	1,215	2,218	1,106	1,292	2,398	1,193	1,370	2,563
		Sub-total	1,391	2,080	3,471	1,614	2,278	3,892	1,918	2,401	4,319	2,235	2,461	4,726	2,530	2,548	5,078	2,801	2,576	5,377	3,031	2,597	5,628
		Other Area	1,946	2,920	4,866	2,296	3,257	5,553	2,705	3,460	6,165	3,131	3,621	6,752	3,363	3,763	7,286	3,097	3,668	7,715	4,254	3,667	8,191
		Total	1,070	2,017	3,087	1,407	2,130	3,337	1,726	2,892	4,018	2,067	2,421	4,488	2,406	2,300	4,906	2,742	2,546	5,288	3,051	2,580	5,631
		Mindanao	227	223	450	267	222	489	326	217	543	388	208	586	449	191	640	506	174	680	558	156	714
		Sub-total	1,297	2,240	3,537	1,674	2,352	4,076	2,052	2,599	4,561	2,455	2,629	5,084	2,855	2,691	5,446	3,248	2,720	5,968	3,609	2,736	6,345
		Other Area	166	317	483	266	255	521	340	284	624	421	307	728									







**Table A-34 THE STRUCTURE OF GDP BY SECTOR IN THE PAST AND FUTURE(HIGH GROWTH SCENARIO)  
(AT CONSTANT 1985 PRICES)**

(Cont. '91)

No.	Sector	Subsector	Annual Average Growth Rate(%)																																			
			1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	2000	2005	2010	2015	2020	2025	2035																	
I. Agriculture																																						
a. Agriculture																																						
		Crops	14.11	13.61	12.91	12.76	12.97	11.91	12.38	12.16	12.21	12.12	11.59	11.37	10.67	8.67	7.42	6.47	5.69	4.95	-3.33	-0.56	3.89	-1.50	0.16	-0.80	-4.36	-1.88	-2.98	-2.95	-3.07	-2.70	-2.70	-2.56	-2.75	-2.80		
		Livestock	1.92	2.12	2.22	2.21	2.34	2.34	2.38	2.39	2.45	2.46	2.47	2.49	2.35	2.22	2.08	1.98	1.91	1.81	4.04	1.09	1.82	0.45	0.36	0.94	-1.18	-1.46	-1.18	-1.30	-0.93	-0.78	-0.97	-1.00	-1.00	-1.00	-1.00	-1.00
		Poultry	1.18	1.20	1.23	1.52	1.58	1.69	1.76	1.95	2.02	1.99	2.00	2.11	1.87	1.73	1.59	1.49	1.40	1.31	7.44	3.35	3.97	10.50	3.99	-1.71	0.40	5.37	-2.97	-1.55	-1.67	-1.30	-1.15	-1.15	-1.35	-1.40	-1.40	
		Agricultural activities & reserves	1.06	1.04	1.00	1.04	1.02	1.07	1.09	1.13	1.12	1.09	1.07	1.04	0.88	0.75	0.63	0.54	0.47	0.40	0.18	0.13	2.29	3.48	-1.55	-2.79	-1.22	-5.09	-4.06	-3.24	-3.36	-2.99	-2.85	-3.04	-3.22	-3.22	-3.22	
		Sub-total	18.27	17.96	17.37	17.53	17.31	17.02	17.61	17.67	17.81	17.65	17.13	17.01	15.17	13.36	11.72	10.48	9.46	8.47	-1.42	0.13	3.51	0.30	0.80	-0.87	-2.97	-0.70	-2.82	-2.51	-2.60	-2.20	-2.02	-2.18	-2.32	-2.32	-2.32	
		b. Fishery	4.73	4.95	5.01	4.34	4.24	4.27	4.47	4.50	4.47	4.33	4.21	3.88	2.94	2.22	1.63	1.19	0.83	0.62	-2.03	-0.27	4.56	0.83	-0.73	-3.12	-2.71	-7.87	-6.73	-5.43	-5.97	-6.19	-6.91	-5.75	-6.21	-6.21		
		2. Forestry	1.57	1.73	2.00	1.71	1.33	1.02	0.66	0.58	0.48	0.39	0.19	0.11	0.08	0.06	0.04	0.03	0.02	0.01	-8.38	-28.48	-34.98	-11.84	-18.19	-15.62	-50.97	-44.19	-6.58	-6.71	-6.79	-6.86	-7.13	-7.55	-8.52	-8.52	-8.52	
		Sub-total	24.58	24.64	24.38	23.58	22.87	22.70	22.74	22.75	22.75	22.37	21.53	21.00	18.19	15.64	13.39	11.70	10.31	9.10	-1.92	-0.70	1.96	0.05	0.01	-1.68	-3.76	-2.49	-3.52	-2.97	-3.06	-2.67	-2.40	-2.46	-2.46	-2.46		
II. Industry																																						
		1. Mining & Quarrying	2.08	2.08	1.82	1.78	1.63	1.54	1.50	1.60	1.58	1.40	1.42	1.24	1.11	0.95	0.82	0.70	0.58	0.48	-5.84	-1.62	-2.33	6.37	-1.42	-16.90	1.01	-12.57	-2.69	-3.14	-2.80	-3.17	-3.60	-3.81	-3.55	-3.55		
		2. Manufacturing	25.15	24.76	25.06	25.71	25.61	25.52	25.56	25.03	24.69	24.34	24.30	25.29	26.92	28.88	30.25	31.19	31.53	31.60	0.29	-0.17	0.14	-2.06	-1.34	0.59	1.86	-0.02	1.57	1.41	0.94	0.61	0.22	0.04	0.04	0.04	0.04	
		3. Construction	5.08	4.83	5.15	5.05	5.70	5.81	4.92	5.04	5.22	5.45	5.54	5.82	6.91	8.10	9.67	11.33	12.89	14.71	2.73	-0.95	-15.21	2.42	3.55	4.35	1.60	5.01	4.39	3.25	3.60	3.21	2.76	2.53	3.31	3.31		
		4. Electricity, Gas & Water	2.76	3.02	2.56	2.70	2.68	2.59	2.73	2.74	2.76	3.01	3.24	3.30	3.81	3.75	3.75	3.68	3.53	3.35	-1.23	4.59	5.31	0.32	0.78	9.06	7.80	1.77	3.67	-0.34	0.00	-0.37	-0.82	-1.03	0.11			
		Sub-Total	35.07	34.69	34.59	35.24	35.62	35.46	34.71	34.41	34.23	34.70	35.50	35.65	38.75	41.67	44.49	46.90	48.62	50.14	0.22	0.02	-2.11	-0.87	-0.46	1.31	2.30	0.43	2.10	1.47	1.32	1.06	0.73	0.62	1.16	1.16		
III. Service																																						
		1. Transportation, Communication and Storage	5.54	5.59	5.69	5.75	5.75	5.70	5.76	5.82	5.85	5.84	5.90	6.00	6.20	6.53	6.90	7.18	7.55	7.85	7.85	0.60	0.56	1.03	1.06	0.43	-0.15	0.94	1.72	0.82	1.06	1.09	0.80	1.01	0.81	0.96		
		2. Trade	14.48	14.70	14.59	14.45	14.69	14.91	15.07	15.27	15.32	15.26	15.36	15.35	15.29	15.40	15.53	15.44	15.46	15.28	0.58	0.60	1.12	1.30	0.34	-0.43	0.70	-0.07	-0.10	0.15	0.17	-0.12	0.03	-0.23	-0.02	1.03		
		3. Finance	2.99	3.13	3.48	3.62	3.90	4.10	4.06	4.06	4.06	4.07	4.12	4.21	4.54	5.80	6.13	6.00	5.99	5.80	5.74	6.79	0.26	0.28	0.02	0.25	1.03	2.37	7.73	6.31	1.11	-0.40	-0.04	-0.64	-0.22	1.03		
		4. Ownership of Dwellings and Real Estate	5.62	5.61	5.63	5.57	5.59	5.57	5.62	5.64	5.62	5.54	5.45	5.37	4.82	4.26	3.77	3.28	2.85	2.43	-0.17	-0.45	0.82	0.39	-0.30	-1.42	-1.70	-1.39	-2.69	-2.42	-2.44	-2.73	-2.75	-3.18	-2.66			
		5. Private Services	6.84	6.78	6.82	6.88	6.80	6.85	6.88	6.89	6.94	6.94	6.90	6.86	6.39	5.93	5.50	5.02	4.60	4.13	0.02	0.16	0.42	0.23	0.76	-0.13	-0.47	-0.57	-1.75	-1.49	-1.50	-1.79	-1.75	-2.12	-1.69			
		6. Government Services	4.88	4.85	4.82	4.91	4.78	5.05	5.16	5.15	5.18	5.24	5.15	5.23	4.57	4.43	4.42	4.50	4.81	5.33	0.70	0.38	2.07	-0.10	0.65	1.02	-1.71	1.62	-3.32	-0.63	-0.04	0.35	1.33	2.07	0.11			
		Sub-Total	40.35	40.67	41.03	41.19	41.51	42.24	42.55	42.84	42.99	43.93	42.97	43.35	43.06	42.68	42.12	41.41	41.06	40.76	0.92	0.34	0.73	0.68	0.36	-0.16	0.10	0.89	-0.17	-0.18	-0.27	-0.34	-0.17	-0.15	-0.18			
		Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		



**Table A-37 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES  
IN TERMS OF GDP AND PRODUCTION - HIGH GROWTH SCENARIO (1/2)**

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025
Rice	Population	[A] 1,000 persons	68,614	76,320	84,214	91,851	99,008	105,503	111,423
	Per Capita Consumption	[B] kg/year	92.2	94.6	98.5	101.5	103.5	105.1	106.4
	Utilization								
	Total Consumption (Ton/year) : [A]x[B]	[C] 1,000 ton/year	6,327	7,222	8,293	9,320	10,249	11,086	11,831
	Other Utilization								
	a. Export	[D] 1,000 ton/year	0	0	0	0	0	0	0
	b. Seeds	[E] 1,000 ton/year	184	265	390	485	590	685	771
	c. Feeds & Waste	[F] 1,000 ton/year	418	645	948	1,179	1,435	1,665	1,874
	d. Processing	[G] 1,000 ton/year	276	397	583	725	883	1,024	1,153
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H] 1,000 ton/year	7,235	8,529	10,215	11,709	13,157	14,461	15,630
	Import	[I] 1,000 ton/year	268	386	351	395	434	470	501
	GDP (Framework)	[J] million pesos/year	28,190	40,571	59,658	74,150	90,254	104,745	117,910
	Conversion Factor of GDP to Production	[K] kg/peso	0.245	0.245	0.245	0.245	0.245	0.245	0.245
	Converted Production (Framework)	[L] 1,000 ton/year	6,894	9,921	14,589	18,133	22,071	25,614	28,834
	Ratio of Production to Consumption : [L]/[C]x100	%	109.0	137.4	175.9	194.6	215.3	231.1	243.7
Ratio of Production to Total Utilization : [L]/[H]x100	%	95.3	116.3	142.8	154.9	167.8	177.1	184.5	
Self-Sufficiency Ratio: ([L]/([L]-[D]+[E]))x100	%	96.3	96.3	97.6	97.9	98.1	98.2	98.3	
Corn	Per Capita Consumption	[B] kg/year	15.7	15.8	15.9	16.0	16.0	16.1	16.2
	Utilization								
	Total Consumption (Ton/year) : [A]x[B]	[C] 1,000 ton/year	1,078	1,205	1,337	1,465	1,587	1,700	1,805
	Other Utilization								
	a. Export	[D] 1,000 ton/year	206	237	268	341	457	652	954
	b. Seeds	[E] 1,000 ton/year	54	62	70	89	119	171	250
	c. Feeds & Waste	[F] 1,000 ton/year	2,883	3,317	3,748	4,775	6,390	9,132	13,355
	d. Processing	[G] 1,000 ton/year	551	633	716	912	1,220	1,744	2,551
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H] 1,000 ton/year	4,772	5,454	6,138	7,582	9,774	13,399	18,914
	Import	[I] 1,000 ton/year	0.09	0.10	0.11	0.12	0.13	0.14	0.15
	GDP (Framework)	[J] million pesos/year	9,837	11,315	12,786	16,290	21,801	31,155	45,362
	Conversion Factor of GDP to Production	[K] kg/peso	0.420	0.420	0.420	0.420	0.420	0.420	0.420
	Converted Production (Framework)	[L] 1,000 ton/year	4,129	4,749	5,366	6,837	9,150	13,075	19,122
	Ratio of Production to Consumption : [L]/[C]x100	%	382.9	394.0	401.5	466.6	576.5	769.2	1,059.4
	Ratio of Production to Total Utilization : [L]/[H]x100	%	86.5	87.1	87.4	90.2	93.6	97.6	101.1
Self-Sufficiency Ratio: ([L]/([L]-[D]+[E]))x100	%	105.2	105.2	105.2	105.2	105.3	105.3	105.3	
Coconut	Per Capita Consumption	[B] kg/year	8.5	8.9	9.4	9.9	10.4	10.9	11.5
	Utilization								
	Total Consumption (Ton/year) : [A]x[B]	[C] 1,000 ton/year	584	683	792	907	1,028	1,151	1,279
	Other Utilization								
	a. Export	[D] 1,000 ton/year	3.1	3.1	3.1	3.2	3.5	4.3	5.4
	b. Seeds	[E] 1,000 ton/year	117	116	117	120	133	161	204
	c. Feeds & Waste	[F] 1,000 ton/year	6,317	6,256	6,329	6,502	7,189	8,693	11,021
	d. Processing	[G] 1,000 ton/year	4,880	4,833	4,889	5,024	5,554	6,716	8,515
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H] 1,000 ton/year	11,901	11,891	12,130	12,557	13,908	16,725	21,023
	Import	[I] 1,000 ton/year	0	0.0	0.0	0.0	0.0	0.0	0.0
	GDP (Framework)	[J] million pesos/year	7,380	7,309	7,394	7,597	8,399	10,156	12,876
	Conversion Factor of GDP to Production	[K] kg/peso	1.585	1.585	1.585	1.585	1.585	1.585	1.585
	Converted Production (Framework)	[L] 1,000 ton/year	11,701	11,588	11,723	12,045	13,316	16,102	20,415
	Ratio of Production to Consumption : [L]/[C]x100	%	2,004	1,698	1,481	1,327	1,295	1,398	1,597
	Ratio of Production to Total Utilization : [L]/[H]x100	%	98.3	97.5	96.6	95.9	95.7	96.3	97.1
Self-Sufficiency Ratio: ([L]/([L]-[D]+[E]))x100	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Sugarcane	Per Capita Consumption	[B] kg/year	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	Utilization								
	Total Consumption (Ton/year) : [A]x[B]	[C] 1,000 ton/year	175	196	217	238	258	276	294
	Other Utilization								
	a. Export	[D] 1,000 ton/year	0.004	0.005	0.005	0.005	0.006	0.008	0.011
	b. Seeds	[E] 1,000 ton/year	0	0	0	0	0	0	0
	c. Feeds & Waste	[F] 1,000 ton/year	0	0	0	0	0	0	0
	d. Processing	[G] 1,000 ton/year	17,389	21,508	22,078	23,723	27,425	34,685	45,985
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H] 1,000 ton/year	17,564	21,704	22,295	23,961	27,683	34,961	46,279
	Import	[I] 1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J] million pesos/year	3,964	4,903	5,033	5,408	6,252	7,907	10,483
	Conversion Factor of GDP to Production	[K] kg/peso	4.436	4.436	4.436	4.436	4.436	4.436	4.436
	Converted Production (Framework)	[L] 1,000 ton/year	17,584	21,749	22,326	23,989	27,733	35,075	46,502
	Ratio of Production to Consumption : [L]/[C]x100	%	10,029	11,097	10,272	10,069	10,745	12,690	15,843
	Ratio of Production to Total Utilization : [L]/[H]x100	%	100.1	100.2	100.1	100.1	100.2	100.3	100.5
Self-Sufficiency Ratio: ([L]/([L]-[D]+[E]))x100	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

Data Sources: 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division Bureau of Agricultural Statistics, Department of Agriculture, December 1996.  
2. "Selected Indicators of Food Situation in the Philippines", BUREAU OF AGRICULTURAL STATISTICS, April 1995.

**Table A-38 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES  
IN TERMS OF GDP AND PRODUCTION - HIGH GROWTH SCENARIO (2)**

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025	
Banana	Population	(A)	1,000 persons	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption Utilization	(B)	kg/year	20.4	20.6	20.7	20.8	20.9	21.0	21.1
	Total Consumption(Ton/year) : (A)x(B)	(C)	1,000 ton/year	1,403	1,569	1,741	1,908	2,067	2,213	2,350
	Other Utilization									
	a. Export	(D)	1,000 ton/year	1,110	1,100	1,181	1,404	1,790	2,437	3,394
	b. Seeds	(E)	1,000 ton/year	181	183	197	233	297	405	554
	c. Feeds & Waste	(F)	1,000 ton/year	418	411	478	567	723	984	1,370
	d. Processing	(G)	1,000 ton/year	276	273	294	349	445	605	843
	Total Utilization: (C)+(D)+(E)+(F)+(G)	(H)	1,000 ton/year	2,311	3,569	3,894	4,460	5,321	6,644	8,521
	Import	(I)	1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	(J)	mill. pesos/year	2,962	2,934	3,160	3,746	4,776	6,502	9,056
	Conversion Factor of GDP to Production	(K)	kg/peso	1,062	1,062	1,062	1,062	1,062	1,062	1,062
	Converted Production (Framework)	(L)	1,000 ton/year	3,145	3,115	3,355	3,977	5,070	6,903	9,614
	Ratio of Production to Consumption : (L)/(C)x100		%	224.1	198.5	192.7	208.5	245.3	311.9	409.0
	Ratio of Production to Total Utilization : (L)/(H)x100		%	136.1	87.3	85.2	89.2	95.3	103.9	112.8
Self-Sufficiency Ratio: ((L)/(C)+(D)+(E)+(F)+(G))x100		%	154.6	154.6	154.6	154.6	154.6	154.6	154.6	
Livestock	Population	(A)	1,000 persons	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption Utilization	(B)	kg/year	17.2	19.0	20.8	22.5	24.1	25.6	27.2
	Total Consumption(Ton/year) : (A)x(B)	(C)	1,000 ton/year	1,182	1,451	1,751	2,068	2,389	2,702	3,030
	Other Utilization									
	a. Export	(D)	1,000 ton/year	0	0	0	0	0	0	0
	b. Feeds & Waste	(E)	1,000 ton/year	0	0	0	0	0	0	0
	c. Processing	(F)	1,000 ton/year	27	35	47	62	85	118	167
	Total Utilization: (C)+(D)+(E)+(F)	(G)	1,000 ton/year	1,209	1,487	1,798	2,130	2,474	2,821	3,197
	Import	(H)	1,000 ton/year	45.1	55.4	66.8	78.9	91.2	103.1	115.6
	GDP (Framework)	(I)	million pesos/year	19,839	26,181	34,916	46,496	63,316	88,153	124,285
	Conversion Factor of GDP to Production	(J)	kg/peso	0,061	0,061	0,061	0,061	0,061	0,061	0,061
	Converted Production (Framework)	(K)	1,000 ton/year	1,211	1,598	2,131	2,838	3,864	5,380	7,585
	Ratio of Production to Consumption : (K)/(C)x100		%	102.4	110.1	121.7	137.3	161.7	199.1	250.4
	Ratio of Production to Total Utilization : (K)/(G)x100		%	100.2	107.5	118.5	133.2	156.2	190.7	237.3
	Self-Sufficiency Ratio: ((K)/(C)+(D)+(E)+(F))x100		%	96.4	96.6	97.0	97.3	97.7	98.1	98.5
Poultry	Per Capita Consumption Utilization	(B)	kg/year	7.9	8.5	9.2	9.8	10.5	11.3	12.1
	Total Consumption(Ton/year) : (A)x(B)	(C)	1,000 ton/year	544	652	771	902	1,042	1,190	1,348
	Other Utilization									
	a. Export	(D)	1,000 ton/year	0	0	0	0	0	0	0
	b. Egg Hatched	(E)	1,000 ton/year	14	18	24	31	41	56	78
	c. Processing	(F)	1,000 ton/year	5	6	8	11	15	20	28
	Total Utilization: (C)+(D)+(E)+(F)	(G)	1,000 ton/year	563	676	803	944	1,098	1,267	1,453
	Import	(H)	1,000 ton/year	0.5	0.7	0.8	0.9	1.0	1.2	1.36
	GDP (Framework)	(I)	million pesos/year	16,656	20,791	27,209	35,554	47,508	64,903	89,791
	Conversion Factor of GDP to Production	(J)	kg/peso	0,036	0,036	0,036	0,036	0,036	0,036	0,036
	Converted Production (Framework)	(K)	1,000 ton/year	585	758	992	1,296	1,732	2,366	3,273
	Ratio of Production to Consumption : (K)/(C)x100		%	107.6	116.2	128.6	143.7	166.2	198.8	242.9
	Ratio of Production to Total Utilization : (K)/(G)x100		%	104.0	112.0	123.5	137.4	157.7	185.8	225.2
	Self-Sufficiency Ratio: ((K)/(C)+(D)+(E)+(F))x100		%	99.9	99.9	99.9	99.9	99.9	99.9	100.0
	Fishery	Per Capita Consumption Utilization	(B)	kg/year	23.1	23.2	23.3	23.4	23.6	23.7
Total Consumption(Ton/year) : (A)x(B)		(C)	1,000 ton/year	1,584	1,771	1,964	2,153	2,332	2,498	2,651
Other Utilization										
a. Export		(D)	1,000 ton/year	172	167	178	186	193	195	215
b. Feeds & Waste		(E)	1,000 ton/year	124	120	128	134	138	140	154
c. Processing		(F)	1,000 ton/year	1,123	1,086	1,162	1,214	1,258	1,273	1,402
Total Utilization: (C)+(D)+(E)+(F)		(G)	1,000 ton/year	3,004	3,143	3,433	3,687	3,922	4,106	4,422
Import		(H)	1,000 ton/year	262	253	271	283	294	297	327
GDP (Framework)		(I)	million pesos/year	33,853	32,730	35,026	36,590	37,918	38,366	42,237
Conversion Factor of GDP to Production		(J)	kg/peso	0,137	0,137	0,137	0,137	0,137	0,137	0,137
Converted Production (Framework)		(K)	1,000 ton/year	4,631	4,477	4,791	5,005	5,187	5,248	5,778
Ratio of Production to Consumption : (K)/(C)x100			%	292.3	252.8	243.9	232.5	222.4	210.1	218.0
Ratio of Production to Total Utilization : (K)/(G)x100			%	154.2	142.4	139.6	135.7	132.2	127.8	130.7
Self-Sufficiency Ratio: ((K)/(C)+(D)+(E)+(F))x100			%	98.1	98.1	98.1	98.1	98.1	98.1	98.1

Data Sources : 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division Bureau of Agricultural Statistics, Department of Agriculture, December 1996.  
2. "Selected Indicators of Food Situation in the Philippines", BUREAU OF AGRICULTURAL STATISTICS, April 1995.

Table A-39 RESULT OF PROJECTION FOR GRDP BY REGION (AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)														
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)	(1995-2025)
	NCR	3,071.21	2,436.69	3,093.28	484.20	583.14	972.04	1,389.43	2,010.07	6.25	7.48	7.16	7.24	7.17	7.39	7.36
	CAR	16,782	17,699	24,555	32,836	46,160	66,284	95,299	140,457	5.23	7.16	7.23	7.23	7.42	7.53	8.07
	Iloilo	24,021	26,004	34,303	47,969	67,275	96,284	141,179	213,471	4.64	8.24	8.24	8.24	7.96	7.96	8.62
	Cebu	16,385	17,699	24,503	34,345	46,364	66,284	95,299	140,457	3.17	9.45	7.07	7.31	7.82	8.44	9.17
	Central Luzon	78,383	82,524	107,697	152,135	213,544	304,638	435,931	634,294	6.08	6.68	7.15	7.20	7.21	7.41	7.22
	South Tagalog	23,520	24,042	30,268	40,478	54,317	73,627	101,422	142,489	5.44	7.61	5.99	6.10	6.25	6.25	8.69
	Bicol	58,227	59,618	76,087	103,431	140,938	192,663	268,194	380,337	4.12	5.44	6.33	6.38	6.48	6.82	7.24
	West Visayas	52,690	57,167	75,743	110,975	153,320	209,494	289,146	400,000	5.25	5.56	6.33	6.38	6.48	6.82	7.24
	Central Visayas	19,374	20,941	27,598	36,403	48,445	64,545	86,334	116,334	6.51	7.79	7.94	8.03	8.06	8.37	8.85
	East Visayas	21,599	22,770	28,850	38,077	50,477	67,275	89,743	120,755	3.36	4.72	5.08	5.12	5.64	6.09	6.62
	West Mindanao	41,758	44,179	57,754	77,455	103,431	139,084	187,254	254,354	3.98	7.05	7.25	7.45	7.65	8.02	8.56
	North Mindanao	54,200	55,989	70,293	94,663	128,460	175,627	240,299	327,034	6.78	5.71	6.13	6.30	6.45	6.82	7.31
	South Mindanao	22,052	23,895	29,061	38,000	49,959	65,903	87,843	119,029	6.78	5.40	5.51	5.70	5.92	6.26	6.78
	ARMM	7,995	8,579	12,084	17,467	23,659	31,925	42,373	56,373	3.36	6.44	7.19	8.48	9.30	10.24	11.31
	Total	80,340	87,262	113,981	150,201	200,421	270,197	360,290	480,290	5.00	7.34	7.19	7.29	7.36	7.68	8.16

Data Source: The figures as of 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

Table A-40 RESULT OF PROJECTION FOR GRDP PER CAPITA BY REGION (AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)													
		1995	2000	2005	2010	2015	2020	2025	(1995-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)	(1995-2025)
	NCR	25,399	32,659	42,890	57,254	77,267	106,674	151,254	212,254	5.60	5.99	6.18	6.22	6.66	6.13
	CAR	13,146	16,633	22,087	29,439	39,982	54,663	74,790	101,254	5.01	5.29	5.63	6.17	6.90	5.37
	Iloilo	6,316	6,925	9,010	12,126	16,202	21,851	29,652	39,982	5.10	5.56	6.20	6.97	7.79	6.22
	Cebu	6,500	6,677	8,676	11,626	15,626	20,851	28,551	38,551	5.95	5.10	5.62	6.46	7.38	8.34
	Central Luzon	11,306	12,071	15,626	20,851	28,551	38,551	51,254	68,551	3.20	5.20	5.56	6.88	8.32	6.47
	South Tagalog	12,794	13,799	18,024	23,630	31,479	42,764	58,643	79,643	4.78	5.20	5.43	6.88	8.32	6.47
	Bicol	5,437	5,864	7,637	9,786	13,146	17,637	23,637	32,037	5.21	5.43	5.53	5.97	6.56	5.53
	West Visayas	10,079	12,031	15,626	20,851	28,551	38,551	51,254	68,551	4.25	4.92	5.52	6.13	6.76	4.76
	Central Visayas	5,736	6,074	8,024	10,626	14,146	18,626	24,626	32,626	4.54	4.79	5.14	5.71	6.30	5.01
	East Visayas	7,271	7,571	10,024	13,426	17,826	23,826	31,826	41,826	6.34	6.34	6.63	7.18	7.85	6.56
	West Mindanao	7,728	8,118	10,626	14,146	18,626	24,626	32,626	42,626	7.17	7.17	7.64	8.23	9.02	7.30
	North Mindanao	10,561	11,002	14,626	19,626	26,626	36,626	49,626	66,626	6.72	3.32	3.91	4.63	5.37	3.66
	South Mindanao	12,225	12,825	17,026	22,626	30,626	40,626	54,626	72,626	4.93	5.36	5.83	6.47	7.20	5.07
	Central Mindanao	9,344	10,224	13,626	18,226	24,226	32,226	42,226	56,226	3.70	4.16	4.64	5.28	5.98	4.41
	ARMM	3,941	4,278	5,626	7,426	9,826	13,026	17,226	22,626	3.17	3.70	3.64	4.28	4.59	3.97
	Total	11,710	14,599	18,218	23,925	32,025	42,373	56,373	74,373	6.01	6.46	7.96	9.11	10.43	7.85

Data Source: The figures as of 1995 and 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

Table A-41 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN AGRICULTURE AND FORESTRY BY REGION (AT CONSTANT 1985 PRICES)

No.	Region	Annual Average Growth Rate (%)														
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)	(1995-2025)
	NCR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAR	3,085	3,203	3,718	4,689	5,900	7,615	10,074	13,642	3.74	3.82	4.75	4.70	5.24	5.76	6.25
	Iloilo	10,448	10,803	14,665	18,603	23,548	30,598	40,774	53,665	11.88	5.83	4.87	4.83	5.38	5.91	6.42
	Cebu	5,752	5,792	7,963	10,663	14,146	18,626	24,626	32,626	9.48	7.85	3.72	6.18	6.33	6.97	7.59
	Central Luzon	12,492	13,024	17,118	22,456	29,836	37,199	47,355	61,886	2.36	2.81	4.10	4.06	4.51	4.95	5.36
	South Tagalog	32,573	33,708	44,557	58,626	77,455	101,254	132,254	174,254	2.81	2.81	4.25	4.21	4.68	5.13	5.57
	Bicol	8,692	9,047	11,660	15,626	20,851	28,551	38,551	51,254	3.22	2.81	3.50	3.46	3.84	4.20	4.54
	West Visayas	19,296	20,432	27,195	36,403	48,445	64,545	86,334	116,334	-0.46	3.31	4.13	4.08	4.54	4.98	5.40
	Central Visayas	7,601	7,978	10,626	14,146	18,626	24,626	32,626	42,626	1.80	1.80	2.95	2.90	3.21	3.50	3.77
	East Visayas	6,074	6,225	8,024	10,626	14,146	18,626	24,626	32,626	1.13	1.80	5.99	5.05	6.04	7.31	7.96
	West Mindanao	10,967	11,075	14,626	19,626	26,626	36,626	49,626	66,626	1.90	2.26	2.26	2.22	2.44	2.64	2.83
	North Mindanao	15,360	15,376	18,000	22,400	29,800	39,500	51,500	67,500	3.31	3.31	4.13	4.08	4.54	4.98	5.40
	South Mindanao	20,628	20,679	25,204	32,404	42,404	56,404	74,404	98,404	0.22	1.80	2.76	2.71	3.00	3.27	2.79
	Central Mindanao	7,328	7,354	9,046	11,227	14,427	18,627	24,227	31,827	2.23	1.80	2.26	2.22	2.44	2.64	2.83
	ARMM	4,702	4,876	6,246	8,381	10,926	14,426	18,926	24,926	8.47	6.84	4.75	4.70	5.24	5.76	6.25
	Total	125,998	133,123	173,123	226,123	296,123	391,123	511,123	661,123	3.07	3.35	4.00	4.00	4.50	5.00	5.50

Data Source: The figures as of 1995 were referred from Philippine Statistical Yearbook, 1996, NSCB

**Table A-42 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN INDUSTRY BY REGION  
(AT CONSTANT 1985 PRICES)**

No.	Region	Annual Average Growth Rate (%)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		1995		2000		2010		2020		2025																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		(1995-1996)	(1996-2000)	(2000-2010)	(2010-2020)	(2020-2025)	(1995-2000)	(2000-2010)	(2010-2015)	(2015-2020)	(2020-2025)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	NCR	99,189	104,474	143,656	209,111	302,598	432,748	615,545	884,929	1,217,116	1,647,116	2,197,116	2,907,116	3,807,116	4,907,116	6,207,116	7,707,116	9,307,116	11,107,116	13,107,116	15,307,116	17,707,116	20,307,116	23,107,116	26,107,116	29,307,116	32,707,116	36,307,116	40,107,116	44,107,116	48,307,116	52,707,116	57,307,116	62,107,116	67,107,116	72,307,116	77,707,116	83,307,116	89,107,116	95,107,116	101,307,116	107,707,116	114,307,116	121,107,116	128,107,116	135,307,116	142,707,116	150,307,116	158,107,116	166,107,116	174,307,116	182,707,116	191,307,116	199,707,116	208,307,116	217,107,116	226,107,116	235,307,116	244,707,116	254,307,116	264,107,116	274,107,116	284,307,116	294,707,116	305,307,116	316,107,116	327,107,116	338,307,116	349,707,116	361,307,116	373,107,116	385,107,116	397,307,116	409,707,116	422,307,116	435,107,116	448,107,116	461,307,116	474,707,116	488,307,116	502,107,116	516,107,116	530,307,116	544,707,116	559,307,116	574,107,116	589,107,116	604,307,116	619,707,116	635,307,116	651,107,116	667,107,116	683,307,116	700,107,116	717,107,116	734,307,116	751,707,116	769,307,116	787,107,116	805,107,116	823,307,116	841,707,116	860,307,116	879,107,116	898,107,116	917,307,116	936,707,116	956,307,116	976,107,116	996,107,116	1,016,307,116	1,036,707,116	1,057,107,116	1,078,107,116	1,099,107,116	1,120,307,116	1,141,707,116	1,163,107,116	1,185,107,116	1,207,307,116	1,230,107,116	1,253,107,116	1,276,107,116	1,299,107,116	1,322,307,116	1,346,107,116	1,370,107,116	1,394,107,116	1,418,107,116	1,442,107,116	1,466,107,116	1,490,107,116	1,514,107,116	1,538,107,116	1,562,107,116	1,586,107,116	1,610,107,116	1,634,107,116	1,658,107,116	1,682,107,116	1,706,107,116	1,730,107,116	1,754,107,116	1,778,107,116	1,802,107,116	1,826,107,116	1,850,107,116	1,874,107,116	1,898,107,116	1,922,107,116	1,946,107,116	1,970,107,116	1,994,107,116	2,018,107,116	2,042,107,116	2,066,107,116	2,090,107,116	2,114,107,116	2,138,107,116	2,162,107,116	2,186,107,116	2,210,107,116	2,234,107,116	2,258,107,116	2,282,107,116	2,306,107,116	2,330,107,116	2,354,107,116	2,378,107,116	2,402,107,116	2,426,107,116	2,450,107,116	2,474,107,116	2,498,107,116	2,522,107,116	2,546,107,116	2,570,107,116	2,594,107,116	2,618,107,116	2,642,107,116	2,666,107,116	2,690,107,116	2,714,107,116	2,738,107,116	2,762,107,116	2,786,107,116	2,810,107,116	2,834,107,116	2,858,107,116	2,882,107,116	2,906,107,116	2,930,107,116	2,954,107,116	2,978,107,116	3,002,107,116	3,026,107,116	3,050,107,116	3,074,107,116	3,098,107,116	3,122,107,116	3,146,107,116	3,170,107,116	3,194,107,116	3,218,107,116	3,242,107,116	3,266,107,116	3,290,107,116	3,314,107,116	3,338,107,116	3,362,107,116	3,386,107,116	3,410,107,116	3,434,107,116	3,458,107,116	3,482,107,116	3,506,107,116	3,530,107,116	3,554,107,116	3,578,107,116	3,602,107,116	3,626,107,116	3,650,107,116	3,674,107,116	3,698,107,116	3,722,107,116	3,746,107,116	3,770,107,116	3,794,107,116	3,818,107,116	3,842,107,116	3,866,107,116	3,890,107,116	3,914,107,116	3,938,107,116	3,962,107,116	3,986,107,116	4,010,107,116	4,034,107,116	4,058,107,116	4,082,107,116	4,106,107,116	4,130,107,116	4,154,107,116	4,178,107,116	4,202,107,116	4,226,107,116	4,250,107,116	4,274,107,116	4,298,107,116	4,322,107,116	4,346,107,116	4,370,107,116	4,394,107,116	4,418,107,116	4,442,107,116	4,466,107,116	4,490,107,116	4,514,107,116	4,538,107,116	4,562,107,116	4,586,107,116	4,610,107,116	4,634,107,116	4,658,107,116	4,682,107,116	4,706,107,116	4,730,107,116	4,754,107,116	4,778,107,116	4,802,107,116	4,826,107,116	4,850,107,116	4,874,107,116	4,898,107,116	4,922,107,116	4,946,107,116	4,970,107,116	4,994,107,116	5,018,107,116	5,042,107,116	5,066,107,116	5,090,107,116	5,114,107,116	5,138,107,116	5,162,107,116	5,186,107,116	5,210,107,116	5,234,107,116	5,258,107,116	5,282,107,116	5,306,107,116	5,330,107,116	5,354,107,116	5,378,107,116	5,402,107,116	5,426,107,116	5,450,107,116	5,474,107,116	5,498,107,116	5,522,107,116	5,546,107,116	5,570,107,116	5,594,107,116	5,618,107,116	5,642,107,116	5,666,107,116	5,690,107,116	5,714,107,116	5,738,107,116	5,762,107,116	5,786,107,116	5,810,107,116	5,834,107,116	5,858,107,116	5,882,107,116	5,906,107,116	5,930,107,116	5,954,107,116	5,978,107,116	6,002,107,116	6,026,107,116	6,050,107,116	6,074,107,116	6,098,107,116	6,122,107,116	6,146,107,116	6,170,107,116	6,194,107,116	6,218,107,116	6,242,107,116	6,266,107,116	6,290,107,116	6,314,107,116	6,338,107,116	6,362,107,116	6,386,107,116	6,410,107,116	6,434,107,116	6,458,107,116	6,482,107,116	6,506,107,116	6,530,107,116	6,554,107,116	6,578,107,116	6,602,107,116	6,626,107,116	6,650,107,116	6,674,107,116	6,698,107,116	6,722,107,116	6,746,107,116	6,770,107,116	6,794,107,116	6,818,107,116	6,842,107,116	6,866,107,116	6,890,107,116	6,914,107,116	6,938,107,116	6,962,107,116	6,986,107,116	7,010,107,116	7,034,107,116	7,058,107,116	7,082,107,116	7,106,107,116	7,130,107,116	7,154,107,116	7,178,107,116	7,202,107,116	7,226,107,116	7,250,107,116	7,274,107,116	7,298,107,116	7,322,107,116	7,346,107,116	7,370,107,116	7,394,107,116	7,418,107,116	7,442,107,116	7,466,107,116	7,490,107,116	7,514,107,116	7,538,107,116	7,562,107,116	7,586,107,116	7,610,107,116	7,634,107,116	7,658,107,116	7,682,107,116	7,706,107,116	7,730,107,116	7,754,107,116	7,778,107,116	7,802,107,116	7,826,107,116	7,850,107,116	7,874,107,116	7,898,107,116	7,922,107,116	7,946,107,116	7,970,107,116	7,994,107,116	8,018,107,116	8,042,107,116	8,066,107,116	8,090,107,116	8,114,107,116	8,138,107,116	8,162,107,116	8,186,107,116	8,210,107,116	8,234,107,116	8,258,107,116	8,282,107,116	8,306,107,116	8,330,107,116	8,354,107,116	8,378,107,116	8,402,107,116	8,426,107,116	8,450,107,116	8,474,107,116	8,498,107,116	8,522,107,116	8,546,107,116	8,570,107,116	8,594,107,116	8,618,107,116	8,642,107,116	8,666,107,116	8,690,107,116	8,714,107,116	8,738,107,116	8,762,107,116	8,786,107,116	8,810,107,116	8,834,107,116	8,858,107,116	8,882,107,116	8,906,107,116	8,930,107,116	8,954,107,116	8,978,107,116	9,002,107,116	9,026,107,116	9,050,107,116	9,074,107,116	9,098,107,116	9,122,107,116	9,146,107,116	9,170,107,116	9,194,107,116	9,218,107,116	9,242,107,116	9,266,107,116	9,290,107,116	9,314,107,116	9,338,107,116	9,362,107,116	9,386,107,116	9,410,107,116	9,434,107,116	9,458,107,116	9,482,107,116	9,506,107,116	9,530,107,116	9,554,107,116	9,578,107,116	9,602,107,116	9,626,107,116	9,650,107,116	9,674,107,116	9,698,107,116	9,722,107,116	9,746,107,116	9,770,107,116	9,794,107,116	9,818,107,116	9,842,107,116	9,866,107,116	9,890,107,116	9,914,107,116	9,938,107,116	9,962,107,116	9,986,107,116	10,010,107,116	10,034,107,116	10,058,107,116	10,082,107,116	10,106,107,116	10,130,107,116	10,154,107,116	10,178,107,116	10,202,107,116	10,226,107,116	10,250,107,116	10,274,107,116	10,298,107,116	10,322,107,116	10,346,107,116	10,370,107,116	10,394,107,116	10,418,107,116	10,442,107,116	10,466,107,116	10,490,107,116	10,514,107,116	10,538,107,116	10,562,107,116	10,586,107,116	10,610,107,116	10,634,107,116	10,658,107,116	10,682,107,116	10,706,107,116	10,730,107,116	10,754,107,116	10,778,107,116	10,802,107,116	10,826,107,116	10,850,107,116	10,874,107,116	10,898,107,116	10,922,107,116	10,946,107,116	10,970,107,116	10,994,107,116	11,018,107,116	11,042,107,116	11,066,107,116	11,090,107,116	11,114,107,116	11,138,107,116	11,162,107,116	11,186,107,116	11,210,107,116	11,234,107,116	11,258,107,116	11,282,107,116	11,306,107,116	11,330,107,116	11,354,107,116	11,378,107,116	11,402,107,116	11,426,107,116	11,450,107,116	11,474,107,116	11,498,107,116	11,522,107,116	11,546,107,116	11,570,107,116	11,594,107,116	11,618,107,116	11,642,107,116	11,666,107,116	11,690,107,116	11,714,107,116	11,738,107,116	11,762,107,116	11,786,107,116	11,810,107,116	11,834,107,116	11,858,107,116	11,882,107,116	11,906,107,116	11,930,107,116	11,954,107,116	11,978,107,116	12,002,107,116	12,026,107,116	12,050,107,116	12,074,107,116	12,098,107,116	12,122,107,116	12,146,107,116	12,170,107,116	12,194,107,116	12,218,107,116	12,242,107,116	12,266,107,116	12,290,107,116	12,314,107,116	12,338,107,116	12,362,107,116	12,386,107,116	12,410,107,116	12,434,107,116	12,458,107,116	12,482,107,116	12,506,107,116	12,530,107,116	12,554,107,116	12,578,107,116	12,602,107,116	12,626,107,116	12,650,107,116	12,674,107,116	12,698,107,116	12,722,107,116	12,746,107,116	12,770,107,116	12,794,107,116	12,818,107,116	12,842,107,116	12,866,107,116	12,890,107,116	12,914,107,116	12,938,107,116	12,962,107,116	12,986,107,116	13,010,107,116	13,034,107,116	13,058,107,116	13,082,107,116	13,106,107,116	13,130,107,116	13,154,107,116	13,178,107,116	13,202,107,116	13,226,107,116	13,250,107,116	13,274,107,116	13,298,107,116	13,322,107,116	13,346,107,116	13,370,107,116	13,394,107,116	13,418,107,116	13,442,107,116	13,466,107,116	13,490,107,116	13,514,107,116	13,538,107,116	13,562,107,116	13,586,107,116	13,610,107,116	13,634,107,116	13,658,107

**Table A-44 THE RESULT OF PROJECTION FOR GVA IN AGRICULTURAL SECTOR BY WATER RESOURCE REGION AND RIVER BASIN (AT CONSTANT 1985 PRICES)**

No.	Water Resources Region	River Basin	(Unit: Mill. Pesos)													
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate (%)						
										1995-2000	2000-2005	2010-2015	2015-2020	2020-2025		
			1995	2000	2005	2010	2015	2020	2025	1995-2000	2000-2005	2010-2015	2015-2020	2020-2025		
			2000	2005	2010	2015	2020	2025	2000	2005	2010	2015	2020	2025		
I	Ilocos	Abra	1,395	1,817	2,299	2,901	3,758	4,991	6,789	5.43	4.81	4.77	5.31	5.84	6.34	5.42
		Laosag	1,350	1,855	2,404	3,043	3,954	5,209	7,194	7.02	4.87	4.83	5.38	5.91	6.42	5.73
		Sub-total	2,745	3,712	4,703	5,944	7,713	10,261	13,982	6.22	4.84	4.80	5.35	5.88	6.39	5.58
		Other Area	4,258	5,930	7,524	9,517	12,362	16,468	22,474	6.85	4.87	4.82	5.37	5.90	6.42	5.70
		Total	7,003	9,642	12,227	15,461	20,075	26,729	36,456	6.61	4.86	4.81	5.36	5.89	6.40	5.65
II	Cagayan Valley	Cagayan	7,865	11,488	15,127	19,879	26,942	37,618	54,058	7.87	5.66	5.62	6.27	6.90	7.52	6.64
		Abulug	837	1,122	1,451	1,873	2,490	3,405	4,787	6.04	5.28	5.24	5.86	6.46	7.05	5.99
		Sub-total	8,702	12,609	16,578	21,752	29,431	41,023	58,845	7.70	5.63	5.58	6.23	6.87	7.48	6.58
		Other Area	1,985	2,682	3,483	4,506	6,004	8,231	11,602	6.23	5.32	5.29	5.91	6.51	7.11	6.66
		Total	10,688	15,291	20,060	26,258	35,435	49,255	70,447	7.43	5.57	5.53	6.18	6.81	7.42	6.49
III	Central Luzon	Pampanga	9,172	10,489	12,823	15,644	19,505	24,830	32,241	2.72	4.10	4.06	4.51	4.95	5.36	4.28
		Agno	4,741	6,025	7,522	9,373	11,973	15,664	20,968	4.94	4.54	4.50	5.02	5.52	6.01	5.08
		Sub-total	13,912	16,513	20,345	25,017	31,478	40,494	53,209	3.49	4.26	4.22	4.70	5.17	5.61	4.57
		Other Area	10,380	12,443	15,373	18,956	23,925	30,884	40,735	3.69	4.32	4.28	4.77	5.24	5.69	4.66
		Total	24,292	28,957	35,718	43,973	55,403	71,378	93,945	3.58	4.29	4.25	4.73	5.20	5.65	4.61
IV	Southern Tagalog	Palig Laguna Bay	2,631	3,033	3,735	4,588	5,765	7,402	9,702	2.89	4.25	4.20	4.67	5.13	5.56	4.45
		Amnay-Patrick	2,009	2,317	2,853	3,506	4,406	5,659	7,420	2.83	4.25	4.21	4.68	5.13	5.57	4.45
		Sub-total	4,640	5,351	6,588	8,093	10,171	13,061	17,123	2.89	4.25	4.20	4.68	5.13	5.56	4.45
		Other Area	25,727	29,669	36,534	44,890	56,420	72,465	95,015	2.89	4.25	4.21	4.68	5.13	5.57	4.45
		Total	30,367	35,020	43,122	52,984	66,591	85,527	112,138	2.89	4.25	4.20	4.68	5.13	5.57	4.45
V	Bicol	Bicol	2,111	2,763	3,607	4,728	6,177	8,035	10,422	2.28	3.50	3.46	3.84	4.20	4.54	3.64
		Other Area	6,581	7,368	8,753	10,375	12,525	15,366	19,212	2.28	3.50	3.46	3.84	4.20	4.54	3.64
		Total	8,692	10,131	12,360	15,103	18,702	23,791	29,634	2.28	3.50	3.46	3.84	4.20	4.54	3.64
VI	Western Visaya	Panay	2,477	2,798	3,424	4,183	5,222	6,658	8,653	2.47	4.13	4.08	4.54	4.98	5.40	4.26
		Ilog-Ibabangaa	2,147	2,423	2,961	3,610	4,499	5,725	7,431	2.45	4.09	4.04	4.50	4.94	5.36	4.22
		Jalaur	1,541	1,741	2,131	2,603	3,249	4,143	5,388	2.47	4.13	4.08	4.54	4.98	5.40	4.26
		Sub-total	6,165	6,962	8,516	10,395	12,970	16,525	21,478	2.46	4.11	4.07	4.53	4.96	5.38	4.25
		Other Area	14,546	16,391	19,964	24,268	30,145	38,231	49,456	2.42	4.02	3.98	4.43	4.87	5.28	4.16
		Total	20,712	23,353	28,480	34,663	43,115	54,756	70,934	2.43	4.05	4.01	4.46	4.90	5.31	4.19
VII	Central Visayas		6,184	6,804	7,867	9,076	10,629	12,624	15,191	1.93	2.95	2.90	3.21	3.52	3.77	3.04
VIII	Eastern Visayas		6,074	6,592	8,835	11,780	15,243	21,114	33,905	1.67	5.99	5.95	6.64	7.31	7.96	5.90
IX	Southeastern Mindanao		13,111	14,547	16,957	19,362	22,468	26,499	31,776	2.52	2.69	2.69	3.02	3.36	3.70	2.99
X	Northern Mindanao	Agusan	6,554	7,607	9,321	11,283	13,954	17,618	22,687	3.24	3.93	3.90	4.34	4.77	5.19	4.23
		Tagoloan	1,399	1,667	2,040	2,492	3,111	3,966	5,158	3.56	4.13	4.08	4.54	4.98	5.40	4.45
		Cagayan De Oro	1,314	1,566	1,917	2,341	2,923	3,726	4,846	3.56	4.13	4.08	4.54	4.98	5.40	4.45
		Sub-total	9,267	10,919	13,277	16,115	19,988	25,310	32,691	3.34	3.99	3.95	4.40	4.83	5.25	4.29
		Other Area	3,725	4,438	5,433	6,655	8,284	10,562	13,736	3.56	4.13	4.08	4.54	4.98	5.40	4.45
		Total	12,992	15,358	18,710	22,771	28,272	35,872	46,427	3.40	4.03	3.99	4.44	4.88	5.29	4.34
XI	Southeastern Mindanao	Tapun-Ebiganon	2,493	2,683	3,074	3,515	4,074	4,785	5,687	1.48	2.76	2.71	3.00	3.27	3.51	2.79
		Buayan-Malungun	1,092	1,175	1,347	1,540	1,785	2,096	2,491	1.48	2.76	2.71	3.00	3.27	3.51	2.79
		Davao	1,417	1,525	1,747	1,997	2,316	2,719	3,232	1.48	2.76	2.71	3.00	3.26	3.52	2.79
		Sub-total	5,001	5,383	6,168	7,052	8,175	9,600	11,410	1.48	2.76	2.71	3.00	3.27	3.51	2.79
		Other Area	13,558	15,125	17,626	20,456	24,159	29,028	35,482	2.28	3.04	3.02	3.38	3.74	4.10	3.26
		Total	18,559	20,508	23,794	27,508	32,333	38,628	46,891	2.07	2.97	2.94	3.29	3.62	3.95	3.14
XII	Southern Mindanao	Mindanao	11,780	13,624	15,918	18,604	22,171	26,946	33,407	2.95	3.16	3.17	3.57	3.98	4.39	3.54
		Agus	779	859	1,139	1,355	1,648	2,053	2,619	4.25	3.50	3.53	4.00	4.49	4.99	4.12
		Sub-total	12,559	14,583	17,057	19,958	23,819	28,999	36,025	3.03	3.18	3.19	3.60	4.01	4.43	3.58
		Other Area	4,765	1,899	2,176	2,488	2,844	3,387	4,026	1.48	2.76	2.71	3.00	3.27	3.52	2.79
		Total	14,324	16,482	19,233	22,446	26,704	32,386	40,051	2.85	3.14	3.14	3.53	3.93	4.34	3.49
		Grand Total	121,998	202,646	246,550	299,965	373,811	477,088	623,535	3.21	4.00	4.00	4.50	5.00	5.50	4.37

Table A-45 THE RESULT OF PROJECTION FOR GVA IN INDUSTRIAL SECTOR BY WATER RESOURCE REGION AND RIVER BASIN (AT CONSTANT 1985 PRICES)

No.	Water Resources Region	River Basin	(Unit: Mill. Pesos)													
			1985	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate(%)						
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	
I	Ilocos	Aba	1,108	1,599	2,293	3,285	4,679	6,670	9,684	7.61	7.47	7.46	7.33	7.35	7.74	7.49
		Tanag	207	365	628	1,072	1,803	3,014	5,324	11.99	11.45	11.30	10.96	10.82	11.20	11.29
		Sub-total	1,315	1,964	2,920	4,357	6,482	9,688	14,899	8.35	8.26	8.33	8.27	8.36	8.87	8.40
		Other Area	4,639	6,906	10,217	15,222	22,569	33,601	51,139	8.28	8.19	8.26	8.19	8.28	8.78	8.33
		Total	6,955	8,870	13,137	19,579	29,050	43,289	66,038	8.30	8.21	8.27	8.21	8.30	8.80	8.35
II	Cagayan Valley	Cagayan	2,678	4,440	7,482	12,628	21,180	35,267	61,143	10.68	10.96	11.04	10.90	10.92	11.45	10.99
		Abug	325	501	780	1,226	1,928	3,056	4,984	9.04	9.27	9.46	9.48	9.65	10.27	9.53
		Sub-total	3,003	4,950	8,263	13,854	23,108	38,323	66,127	10.51	10.79	10.89	10.77	10.82	11.35	10.85
		Other Area	896	1,407	2,169	3,370	5,244	8,227	13,281	9.45	9.03	9.22	9.24	9.42	10.65	9.40
		Total	3,899	6,358	10,432	17,225	28,352	46,549	79,409	10.27	10.41	10.55	10.48	10.57	11.13	10.57
III	Central Luzon	Pampanga	26,110	39,060	58,990	89,545	131,251	193,473	288,662	8.30	9.59	8.46	8.19	8.07	8.33	8.34
		Agno	6,946	10,302	15,508	23,261	34,992	52,490	80,354	8.52	8.52	8.54	8.42	8.45	8.69	8.56
		Sub-total	32,956	49,362	74,497	111,906	166,243	245,968	369,016	8.42	8.58	8.48	8.24	8.15	8.45	8.39
		Other Area	7,623	11,792	18,361	28,485	43,729	66,938	104,180	9.12	9.26	9.18	8.95	8.89	9.25	9.11
		Total	40,579	61,153	92,858	140,391	209,972	312,905	473,196	8.55	8.71	8.62	8.38	8.31	8.62	8.53
IV	Southern Tagalog	Paig Laguna Bay	125,965	185,594	275,462	406,904	594,520	865,043	1,275,050	8.06	8.22	8.12	7.88	7.79	8.07	8.02
		Amay-Patrick	232	363	575	905	1,405	2,168	3,391	9.40	9.62	9.48	9.19	9.06	9.36	9.35
		Sub-total	126,197	185,957	276,037	407,810	595,925	867,211	1,278,450	8.06	8.22	8.12	7.88	7.79	8.07	8.02
		Other Area	28,096	43,036	69,715	109,666	170,195	262,621	410,878	9.40	9.62	9.48	9.19	9.06	9.36	9.35
		Total	154,293	229,993	345,753	517,475	766,121	1,129,832	1,689,328	8.31	8.50	8.40	8.16	8.08	8.38	8.30
V	Bicol	Bicol	1,340	2,019	3,036	4,538	6,760	9,826	14,614	8.54	8.51	8.37	8.10	7.98	8.24	8.29
		Other Area	3,741	5,636	8,478	12,672	18,768	27,467	40,806	8.54	8.51	8.37	8.10	7.98	8.24	8.29
		Total	5,081	7,655	11,513	17,211	25,468	37,303	55,422	8.54	8.51	8.37	8.10	7.98	8.24	8.29
VI	Western Visaya	Panay	1,127	1,625	2,389	3,491	5,040	7,238	10,508	7.59	8.01	7.88	7.62	7.51	7.74	7.73
		Ilog Habangnan	1,658	2,398	3,535	5,181	7,505	10,814	15,761	7.66	8.07	7.95	7.69	7.58	7.83	7.80
		Jalaar	1,445	2,083	3,063	4,475	6,461	9,278	13,471	7.59	8.01	7.88	7.62	7.51	7.74	7.73
		Sub-total	4,230	6,106	8,986	13,147	19,006	27,330	39,740	7.62	8.03	7.91	7.65	7.53	7.78	7.75
		Other Area	10,455	15,221	22,560	33,255	48,457	70,268	103,138	7.80	8.19	8.07	7.82	7.72	7.98	7.93
		Total	14,685	21,327	31,546	46,402	67,463	97,597	142,878	7.75	8.14	8.02	7.77	7.66	7.92	7.88
VII	Central Visayas		14,962	21,902	38,026	60,107	93,728	145,314	228,469	9.82	9.73	9.59	9.29	9.17	9.47	9.51
VIII	Eastern Visayas		6,741	12,188	21,357	37,162	63,666	108,403	187,850	12.58	11.87	11.71	11.37	11.23	11.62	11.73
IX	Southeastern Mindanao		4,954	7,710	12,191	19,284	30,325	47,831	77,364	9.25	9.60	9.61	9.48	9.54	10.09	9.59
X	Northern Mindanao	Agusan	1,334	2,733	4,439	7,074	11,119	17,403	27,658	9.65	9.87	9.75	9.48	9.37	9.71	9.67
		Tagoleon	957	1,535	2,527	4,081	6,497	10,283	16,519	10.20	10.20	10.06	9.75	9.62	9.94	9.96
		Cagayan De Oro	888	1,443	2,346	3,798	6,020	9,545	15,333	10.20	10.20	10.06	9.75	9.62	9.94	9.96
		Sub-total	3,579	5,711	9,313	14,939	23,647	37,231	59,510	10.03	10.04	9.91	9.62	9.50	9.83	9.82
		Other Area	6,224	10,143	16,436	26,537	42,250	66,972	107,423	10.20	10.20	10.06	9.75	9.62	9.94	9.96
		Total	9,803	15,854	25,749	41,476	65,896	104,103	166,932	10.13	10.14	10.00	9.70	9.58	9.90	9.91
XI	Southeastern Mindanao	Tagun Libuganon	696	1,026	1,508	2,204	3,183	4,572	6,641	8.07	8.03	7.89	7.63	7.51	7.75	7.81
		Buayan-Malungun	655	966	1,420	2,075	2,997	4,365	6,252	8.07	8.02	7.82	7.63	7.51	7.75	7.81
		Davao	2,372	3,497	5,141	7,515	10,852	15,888	22,638	8.07	8.02	7.89	7.63	7.51	7.75	7.81
		Sub-total	3,723	5,489	8,069	11,794	17,033	24,465	35,530	8.07	8.02	7.89	7.63	7.51	7.75	7.81
		Other Area	10,523	15,833	23,599	35,210	52,331	78,155	119,733	8.51	8.31	8.33	8.25	8.35	8.91	8.44
		Total	14,247	21,321	31,668	47,004	69,363	102,620	155,303	8.40	8.23	8.22	8.09	8.15	8.64	8.29
XII	Southern Mindanao	Mindanao	6,921	10,613	15,729	23,517	34,963	52,289	80,317	8.93	8.25	8.31	8.25	8.38	8.96	8.51
		Agus	2,043	3,122	4,556	6,673	9,774	14,444	22,013	8.65	7.85	7.93	7.93	8.13	8.79	8.25
		Sub-total	8,965	13,735	20,334	30,190	44,736	66,733	102,330	8.91	8.16	8.22	8.13	8.33	8.93	8.45
		Other Area	1,059	1,560	2,294	3,354	4,843	6,957	10,103	8.07	8.02	7.89	7.63	7.51	7.75	7.81
		Total	10,023	15,295	22,629	33,544	49,579	73,690	112,433	8.82	8.15	8.19	8.13	8.25	8.82	8.39
		Grand Total	285,222	431,658	656,880	995,860	1,498,935	2,249,732	3,434,582	8.64	8.76	8.70	8.50	8.46	8.83	8.65



Table A-46 THE RESULT OF PROJECTION FOR GVA IN SERVICE SECTOR BY WATER RESOURCE REGION AND RIVER BASIN (AT CONSTANT 1985 PRICES)

No.	Water Resources	River Basin	(Unit: Mill. Pesos)													
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Ratio(%)						
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-2025
Region			1995	2000	2005	2010	2015	2020	2025	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-2025
I	Ilocos	Abra	1,117	1,592	2,369	3,538	5,302	8,161	12,957	7.35	8.27	8.35	8.43	9.01	9.69	8.51
		Luzon	667	814	1,093	1,480	1,994	2,748	3,864	6.05	6.17	6.15	6.14	6.63	7.05	6.36
		Sub-total	1,724	2,406	3,467	5,018	7,296	10,909	16,821	6.90	7.58	7.68	7.37	8.38	9.05	7.89
		Other Area	4,352	5,976	8,356	11,811	16,702	24,275	36,312	6.55	7.01	7.09	7.17	7.77	8.39	7.33
		Total	6,077	8,383	11,853	16,829	23,998	35,184	53,132	6.65	7.17	7.26	7.36	7.95	8.59	7.50
II	Cagayan Valley	Cagayan	4,921	6,719	9,245	12,739	17,582	24,855	36,097	6.43	6.59	6.62	6.66	7.19	7.72	6.87
		Abulug	561	756	1,134	1,643	2,391	3,576	5,513	7.00	7.60	7.70	7.79	8.38	9.04	7.92
		Sub-total	5,481	7,505	10,379	14,382	19,973	28,461	41,610	6.49	6.70	6.74	6.79	7.34	7.89	6.99
		Other Area	1,312	1,832	2,656	3,608	5,056	8,503	13,129	6.90	7.72	7.81	7.90	8.49	9.16	7.99
		Total	6,793	9,337	13,035	18,250	25,630	36,964	54,739	6.57	6.90	6.96	7.03	7.60	8.19	7.21
III	Central Luzon	Pampanga	18,879	25,840	35,657	49,178	67,789	95,592	137,711	6.48	6.65	6.64	6.63	7.12	7.57	6.85
		Agno	5,833	8,007	11,189	15,673	22,011	31,734	46,994	6.54	6.92	6.97	7.03	7.59	8.17	7.20
		Sub-total	24,712	33,847	46,846	64,851	89,800	127,325	184,705	6.49	6.72	6.72	6.73	7.23	7.72	6.93
		Other Area	8,670	11,821	16,242	22,307	30,628	43,029	61,257	6.40	6.56	6.55	6.55	7.04	7.49	6.76
		Total	33,382	45,669	63,088	87,158	120,428	170,355	246,463	6.47	6.68	6.68	6.68	7.18	7.67	6.89
IV	Southern Tagalog	Pasig Laguna Bay	155,863	217,248	305,106	428,272	600,843	862,368	1,265,969	6.87	7.03	7.02	7.01	7.49	7.98	7.23
		Amnay Patrick	619	874	1,245	1,773	2,523	3,675	5,478	7.15	7.34	7.33	7.32	7.81	8.31	7.54
		Sub-total	156,481	218,122	306,351	430,045	603,367	866,042	1,271,468	6.87	7.03	7.02	7.01	7.50	7.98	7.23
		Other Area	22,269	31,449	44,514	63,825	90,849	132,293	197,214	7.15	7.34	7.33	7.32	7.81	8.31	7.54
		Total	178,750	249,571	351,165	493,870	694,216	998,335	1,468,692	6.90	7.07	7.06	7.05	7.54	8.03	7.22
V	Bicol	Bicol	2,945	3,891	5,258	7,100	9,583	13,231	18,637	5.74	6.20	6.19	6.18	6.66	7.09	6.34
		Other Area	6,502	8,990	12,147	16,403	22,139	30,567	43,056	5.74	6.20	6.19	6.18	6.66	7.09	6.34
		Total	9,447	12,882	17,405	23,503	31,722	43,798	61,693	5.74	6.20	6.19	6.18	6.66	7.09	6.34
VI	Western Visaya	Panay	1,874	2,566	3,545	4,855	6,756	9,538	13,739	6.48	6.68	6.67	6.65	7.14	7.60	6.87
		Ilog Bilabangan	3,274	4,492	6,221	8,612	11,917	16,872	24,413	6.53	6.73	6.72	6.71	7.20	7.67	6.93
		Jalaur	2,842	3,820	5,374	7,421	10,242	14,460	20,858	6.48	6.68	6.67	6.65	7.14	7.60	6.87
		Sub-total	7,990	10,948	15,141	20,929	28,915	40,870	59,029	6.50	6.70	6.69	6.68	7.17	7.63	6.89
		Other Area	20,213	27,655	38,774	53,942	75,024	106,782	155,421	6.63	6.83	6.83	6.82	7.31	7.80	7.04
Total	28,203	38,603	53,915	74,870	103,939	147,652	214,450	6.60	6.79	6.79	6.78	7.27	7.75	7.00		
VII	Central Visayas	26,169	37,626	54,566	79,091	114,576	169,800	257,927	7.54	7.72	7.71	7.69	8.19	8.72	7.93	
VIII	Eastern Visayas	6,558	8,812	11,995	16,317	22,655	30,857	43,806	6.09	6.36	6.35	6.34	6.82	7.26	6.53	
IX	Southeastern Mindanao	9,443	12,756	17,540	24,050	32,986	46,326	66,518	6.27	6.51	6.52	6.52	7.03	7.50	6.72	
X	Northern Mindanao	Agusan	2,635	3,688	5,207	7,349	10,365	14,566	22,050	6.96	7.14	7.13	7.12	7.61	8.10	7.34
		Tagulayan	1,207	1,688	2,381	3,357	4,734	6,820	10,058	6.94	7.12	7.11	7.10	7.59	8.08	7.32
		Cagayan De Oro	1,265	1,686	2,378	3,353	4,724	6,811	10,045	6.94	7.12	7.11	7.10	7.59	8.08	7.32
		Sub-total	5,046	6,662	9,966	14,059	19,820	28,355	42,134	6.95	7.13	7.12	7.11	7.60	8.09	7.33
		Other Area	7,618	10,657	15,033	21,195	29,567	43,055	63,500	6.94	7.12	7.11	7.10	7.59	8.08	7.32
Total	12,664	17,319	24,999	35,254	49,387	71,641	105,684	6.95	7.13	7.12	7.10	7.59	8.09	7.33		
XI	Southeastern Mindanao	Tagun Libuganon	1,413	1,983	2,808	3,976	5,625	8,142	12,061	7.01	7.21	7.20	7.19	7.68	8.18	7.41
		Buayan-Malangun	997	1,400	1,982	2,806	3,971	5,748	8,514	7.01	7.21	7.20	7.19	7.68	8.18	7.41
		Davao	3,044	4,229	5,991	8,451	12,000	17,369	25,729	7.01	7.21	7.20	7.19	7.68	8.18	7.41
		Sub-total	5,425	7,611	10,781	15,263	21,596	31,259	46,205	7.01	7.21	7.20	7.19	7.68	8.18	7.41
		Other Area	12,250	17,101	24,088	33,932	47,891	68,922	101,732	6.90	7.09	7.09	7.09	7.59	8.10	7.31
Total	17,675	24,712	34,870	49,195	69,396	100,182	148,037	6.93	7.13	7.13	7.12	7.63	8.12	7.34		
XII	Southern Mindanao	Mindanao	7,019	9,561	13,055	17,925	24,579	34,531	49,632	6.38	6.48	6.50	6.52	7.04	7.53	6.74
		Agus	1,152	1,540	2,060	2,758	3,697	5,079	7,132	5.97	5.99	6.01	6.04	6.56	7.03	6.26
		Sub-total	8,172	11,101	15,115	20,683	28,276	39,610	56,764	6.32	6.41	6.43	6.45	6.97	7.46	6.67
		Other Area	3,612	2,262	3,204	4,535	6,417	9,259	13,759	7.01	7.21	7.20	7.19	7.68	8.18	7.41
		Total	9,784	13,363	18,348	25,218	34,693	48,869	70,523	6.43	6.55	6.57	6.59	7.11	7.60	6.81
Grand Total			345,235	479,681	672,778	943,666	1,323,456	1,899,993	2,791,214	6.80	7.00	7.00	7.00	7.50	8.00	7.22

**Table A-47 THE RESULT OF PROJECTION FOR GVA IN ALL SECTORS BY WATER RESOURCE REGION AND RIVER BASIN (AT CONSTANT 1985 PRICES)**

No.	Water Resources	River Basin	(Unit: Mill. Pesos)													
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate(%)						
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	
Region																
I	Ilocos	Abra	3,620	5,008	6,960	9,724	13,740	19,823	29,430	6.71	6.80	6.92	7.16	7.61	8.22	7.23
		Lanog	2,164	3,074	4,130	5,595	7,751	11,031	16,181	7.27	6.08	6.26	6.74	7.31	7.96	6.94
		Sub-total	5,784	8,083	11,090	15,319	21,490	30,854	45,612	6.92	6.53	6.67	7.00	7.50	8.13	7.13
		Other Area	13,250	18,812	26,144	36,550	51,633	74,344	109,925	7.26	6.80	6.93	7.15	7.56	8.15	7.31
		Total	19,034	26,895	37,234	51,870	73,123	105,198	155,536	7.16	6.72	6.86	7.11	7.55	8.14	7.25
II	Cagayan Valley	Cagayan	15,464	22,656	31,855	45,246	65,704	98,070	151,298	7.94	7.05	7.27	7.75	8.34	9.06	7.90
		Abulog	1,722	2,409	3,365	4,742	6,809	10,037	15,284	6.94	6.92	7.10	7.50	8.07	8.77	7.55
		Sub-total	17,187	25,065	35,220	49,989	72,513	108,107	166,582	7.84	7.04	7.25	7.72	8.31	9.03	7.87
		Other Area	4,194	5,926	8,307	11,744	16,904	24,961	38,063	7.16	6.90	7.17	7.56	8.11	8.91	7.69
		Total	21,381	30,991	43,527	61,732	89,417	133,068	204,645	7.71	7.03	7.24	7.69	8.23	8.99	7.82
III	Central Luzon	Pampanga	54,164	75,383	107,470	153,267	218,544	313,899	458,613	6.84	7.35	7.37	7.34	7.51	7.88	7.38
		Agno	17,419	24,334	34,218	48,407	68,977	99,888	148,316	6.91	7.06	7.18	7.34	7.69	8.23	7.40
		Sub-total	71,583	99,722	141,689	201,774	287,521	413,787	606,931	6.86	7.28	7.33	7.34	7.55	7.96	7.30
		Other Area	26,673	36,056	49,976	69,748	98,283	140,851	206,673	6.21	6.73	6.89	7.10	7.46	7.97	7.06
		Total	98,254	135,779	191,664	271,522	385,803	554,638	813,604	6.68	7.14	7.21	7.28	7.53	7.96	7.30
IV	Southern Tagalog	Pasig-Laguna Bay	284,459	405,876	584,302	839,764	1,201,138	1,734,813	2,550,750	7.37	7.56	7.52	7.42	7.63	8.01	7.59
		Aninay-Patrick	2,560	3,554	4,633	6,184	8,334	11,501	16,290	4.44	5.63	5.76	6.15	6.65	7.21	5.97
		Sub-total	287,019	409,430	588,935	845,948	1,209,473	1,746,314	2,567,040	7.34	7.54	7.51	7.41	7.62	8.01	7.57
		Other Area	76,092	105,154	151,064	218,351	312,465	467,379	703,117	6.68	7.51	7.65	7.77	8.04	8.51	7.69
		Total	363,111	514,584	740,000	1,064,300	1,526,938	2,213,693	3,270,157	7.20	7.54	7.54	7.49	7.71	8.12	7.60
V	Bicol	Bicol	6,395	8,273	11,101	14,666	20,300	28,002	39,413	5.28	6.06	6.16	6.20	6.64	7.08	6.25
		Other Area	12,125	16,994	23,227	31,451	43,372	59,420	81,076	5.13	5.96	6.07	6.23	6.59	7.02	6.17
		Total	18,520	25,267	34,328	46,117	63,672	88,822	120,489	5.17	5.99	6.10	6.25	6.60	7.04	6.19
VI	Western Visaya	Panay	5,478	6,989	9,359	12,569	17,018	23,433	32,925	4.99	6.01	6.03	6.25	6.61	7.04	6.16
		Hog-Hidabungan	7,079	9,313	12,717	17,403	23,920	33,410	47,604	5.64	6.43	6.48	6.57	6.91	7.34	6.56
		Jafaur	5,828	7,714	10,568	14,499	19,953	27,891	39,717	5.77	6.50	6.53	6.59	6.92	7.33	6.61
		Sub-total	18,385	24,016	32,643	44,471	60,891	84,724	120,247	5.49	6.33	6.38	6.49	6.83	7.25	6.46
		Other Area	45,214	59,478	81,297	111,464	153,627	215,282	308,015	5.64	6.45	6.52	6.63	6.98	7.43	6.60
Total	63,599	83,494	113,941	155,935	214,518	300,006	428,262	5.59	6.42	6.48	6.59	6.94	7.38	6.56		
VII	Central Visayas		47,307	68,332	100,459	143,275	218,933	327,238	501,587	7.63	9.01	8.10	8.11	8.40	8.83	8.19
			19,313	27,505	42,177	65,259	102,054	162,374	265,561	7.33	8.65	9.12	9.36	9.72	10.34	9.12
VIII	Eastern Visayas		27,508	35,353	46,658	62,606	85,779	120,657	175,653	5.15	5.72	6.07	6.47	7.06	7.80	6.38
			10,922	14,148	18,568	25,702	35,439	49,976	72,425	5.31	6.04	6.27	6.64	7.12	7.70	6.51
IX	Northern Mindanao	Tagoloan	3,562	4,910	6,949	9,930	14,338	21,669	31,735	6.63	7.19	7.40	7.63	8.00	8.54	7.56
		Cagayan De Oro	3,408	4,595	6,441	9,482	13,678	20,082	30,224	6.62	7.18	7.38	7.60	7.98	8.52	7.55
		Sub-total	17,892	23,753	32,557	45,114	63,455	91,127	134,384	5.83	6.51	6.71	7.06	7.51	8.03	6.95
		Other Area	17,567	25,268	36,902	51,368	70,400	100,439	144,659	7.49	7.92	8.06	8.14	8.43	8.91	8.16
		Total	35,459	49,021	69,459	96,482	133,855	191,566	279,043	6.67	7.24	7.45	7.66	8.03	8.56	7.60
XI	Southeastern Mindanao	Taguig-Libuganon	4,602	5,691	7,391	9,694	12,883	17,500	24,389	4.34	5.36	5.58	5.85	6.32	6.86	5.72
		Buayan-Matungon	2,745	3,540	4,749	6,421	8,752	12,148	17,257	5.22	6.05	6.22	6.30	6.78	7.27	6.32
		Davao	6,803	9,251	12,579	17,593	25,169	35,676	51,599	6.31	6.64	6.92	6.94	7.23	7.66	6.99
		Sub-total	14,150	18,483	25,019	34,108	46,803	65,324	93,245	5.49	6.24	6.39	6.53	6.90	7.38	6.49
		Other Area	36,331	48,109	65,313	89,598	124,290	176,105	256,587	5.78	6.31	6.53	6.76	7.22	7.85	6.74
Total	50,481	66,592	90,332	123,707	171,093	241,429	350,231	5.20	6.29	6.49	6.70	7.12	7.72	6.67		
XII	Southern Mindanao	Mindanao	25,721	33,798	44,781	60,045	81,212	113,766	163,356	5.61	5.79	6.04	6.36	6.81	7.50	6.36
		Agus	3,975	5,621	7,755	10,786	15,119	21,576	31,763	7.18	6.65	6.82	6.99	7.37	8.04	7.17
		Sub-total	29,696	39,419	52,536	70,831	96,331	135,342	195,119	5.83	5.91	6.16	6.45	6.93	7.59	6.48
		Other Area	4,435	5,722	7,674	10,377	14,145	19,632	27,888	5.22	6.05	6.22	6.39	6.78	7.27	6.32
		Total	34,131	45,141	60,210	81,208	110,476	154,974	223,007	5.75	5.93	6.17	6.43	6.91	7.55	6.46
Grand Total			803,455	1,113,564	1,576,268	2,240,420	3,196,291	4,626,813	6.84	7.19	7.29	7.36	7.68	8.16	7.40	

**Table A-48 THE RESULT OF PROJECTION FOR GVA PER CAPITA IN ALL SECTORS BY WATER RESOURCE REGION AND RIVER BASIN (AT CONSTANT 1985 PRICES)**

No.	Water Resources	River Basin	(Unit: Pesos Per Capita)													
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate(%)						
										1995-	2000-	2005-	2010-	2015-	2020-	1995-
Region									2000	2005	2010	2015	2020	2025	2025	
I. Ilocos	Abra	8,723	11,280	14,622	19,256	25,973	36,173	52,181	5.28	5.33	5.66	6.17	6.85	7.60	6.14	
		8,834	11,557	14,490	18,465	24,451	33,530	47,593	5.52	4.63	4.97	5.78	6.52	7.26	5.77	
		8,764	11,384	14,573	18,559	25,492	35,181	50,455	5.37	5.06	5.40	6.03	6.73	7.48	6.01	
		9,020	11,692	14,939	19,400	25,714	35,134	49,672	5.33	5.02	5.36	5.80	6.41	7.17	5.85	
		8,940	11,538	14,828	19,268	25,621	35,148	49,899	5.34	5.04	5.38	5.87	6.53	7.26	5.90	
II. Cagayan Valley	Cagayan	6,713	8,833	11,288	14,782	20,099	28,509	42,262	5.63	5.03	5.54	6.31	7.24	8.19	6.32	
		8,201	10,706	13,736	18,032	24,404	34,492	50,609	5.48	5.11	5.59	6.24	7.16	7.97	6.25	
		6,842	8,984	11,483	15,039	20,458	28,975	42,911	5.60	5.03	5.54	6.33	7.23	8.17	6.31	
		7,973	10,361	13,313	17,450	23,741	33,594	49,241	5.38	5.14	5.56	6.35	7.19	8.16	5.46	
		7,038	9,218	11,293	15,445	20,890	29,742	42,178	5.55	5.05	5.54	6.33	7.22	8.24	6.15	
III. Central Luzon	Pampanga	13,302	14,283	18,526	24,418	32,580	44,319	61,925	4.79	5.31	5.68	5.94	6.36	6.90	5.83	
		8,224	10,399	13,377	17,526	23,445	32,253	45,876	4.80	5.17	5.55	5.99	6.59	7.30	5.90	
		10,359	13,090	16,950	22,313	29,795	40,667	57,043	4.79	5.30	5.65	5.95	6.42	7.00	5.85	
		10,472	12,563	15,911	20,569	27,187	36,959	51,863	3.71	4.84	5.27	5.74	6.33	7.01	5.48	
		10,390	12,946	16,666	21,837	29,084	39,657	55,635	4.50	5.18	5.55	5.90	6.40	7.01	5.75	
IV. Southern Tagalog	Pasig-Laguna Bay	21,665	27,750	35,944	47,244	62,550	84,452	116,889	5.08	5.31	5.62	5.77	6.19	6.22	5.78	
		17,331	19,636	22,909	27,241	33,073	41,521	51,939	3.53	3.13	3.52	3.96	4.65	5.37	3.86	
		21,611	27,651	35,782	46,992	62,168	83,881	116,030	5.05	5.29	5.60	5.76	6.17	6.20	5.76	
		12,671	15,535	20,180	26,371	34,654	46,617	64,577	4.16	5.37	5.50	5.61	6.11	6.74	5.58	
		18,810	23,850	30,905	40,435	53,360	71,763	99,060	4.84	5.32	5.55	5.67	6.11	6.66	5.69	
V. Bicol	Bicol	5,203	5,930	7,232	8,946	11,284	14,646	19,589	2,65	4,05	4,31	4,75	5,35	5,99	4,52	
		5,531	6,544	8,093	10,149	12,951	16,995	22,962	3,42	4,34	4,63	5,00	5,59	6,20	4,86	
		5,438	6,364	7,837	9,787	12,445	16,274	21,918	3,19	4,25	4,54	4,92	5,51	6,14	4,76	
VI. Western Visaya	Panay	9,333	10,920	13,408	16,647	21,088	27,536	37,036	3,19	4,19	4,42	4,84	5,43	6,11	4,70	
		10,518	12,706	15,956	20,307	26,286	35,021	47,988	3,85	4,66	4,94	5,30	5,91	6,50	5,19	
		9,251	11,116	14,016	17,878	23,993	30,638	41,763	3,74	4,75	4,99	5,25	5,82	6,39	5,15	
		9,727	11,619	14,508	18,354	23,592	31,206	42,460	3,62	4,54	4,81	5,15	5,75	6,35	5,03	
		10,248	12,376	15,560	19,862	25,737	34,291	47,025	3,85	4,71	4,98	5,32	5,91	6,52	5,21	
10,092	12,148	15,257	19,407	25,090	33,360	45,647	3,78	4,66	4,93	5,27	5,86	6,47	5,16			
VII. Central Visayas	10,538	13,694	18,319	24,920	34,348	48,566	70,806	5,38	5,99	6,35	6,63	7,17	7,83	6,56		
VIII. Eastern Visayas	5,754	7,371	10,205	14,425	20,844	30,958	47,660	5,08	6,72	7,17	7,64	8,23	9,01	7,30		
IX. Southern Mindanao	6,807	7,957	9,569	11,814	15,091	20,049	27,847	3,17	3,76	4,30	5,02	5,85	6,79	4,81		
X. Northern Mindanao	Agusan	11,237	12,155	14,240	16,954	20,367	25,356	32,698	1,58	3,22	3,55	3,74	4,48	5,22	3,62	
		10,268	12,123	15,238	19,663	25,975	35,529	50,373	3,50	4,68	5,23	5,73	6,46	7,23	5,47	
		9,964	11,915	14,990	19,271	25,470	34,743	49,305	3,64	4,70	5,15	5,74	6,41	7,25	5,47	
		10,759	12,100	14,593	17,952	22,430	29,003	38,862	2,38	3,82	4,23	4,55	5,27	6,03	4,37	
		11,160	14,793	19,893	27,307	38,286	55,169	82,254	5,60	6,10	6,54	6,99	7,58	8,32	6,88	
10,954	13,352	16,999	22,087	29,185	39,233	55,943	4,04	4,55	5,38	5,73	6,36	7,08	5,59			
XI. Southeastern Mindanao	Taguig-Libuganon	8,336	7,839	9,512	11,737	14,049	17,413	22,375	-1,22	3,94	4,29	3,66	4,39	5,14	3,35	
		9,179	10,951	12,302	14,269	17,366	21,810	28,430	3,61	2,31	3,01	4,04	4,66	5,44	3,84	
		11,650	15,116	18,857	23,990	31,578	42,675	59,584	5,35	4,52	4,93	5,65	6,21	6,90	5,59	
		9,869	11,127	13,553	16,835	21,101	27,241	36,381	2,45	4,02	4,43	4,62	5,24	5,96	4,45	
		10,467	12,361	15,422	19,959	26,476	32,752	47,345	3,38	4,11	4,63	5,24	6,00	7,65	5,16	
10,290	11,992	14,652	18,322	23,450	31,052	43,828	3,11	4,09	4,57	5,06	5,78	7,14	4,95			
XII. Southern Mindanao	Mindanao	8,332	9,556	11,145	13,379	16,656	21,514	29,010	2,78	3,13	3,72	4,48	5,25	6,16	4,25	
		8,532	11,495	14,281	18,097	23,623	31,730	44,486	5,41	4,44	4,85	5,47	6,08	6,99	5,54	
		8,396	9,791	11,519	13,932	17,460	22,678	30,752	3,12	3,30	3,88	4,62	5,37	6,28	4,42	
		9,183	10,982	12,299	14,254	17,355	21,814	28,399	3,64	2,29	3,00	4,02	4,68	5,42	3,84	
		8,490	9,928	11,612	13,972	17,446	22,565	30,436	3,18	3,18	3,77	4,54	5,28	6,17	4,35	
Grand Total	11,710	14,597	18,717	24,392	32,283	43,855	61,448	4,50	5,10	5,44	5,77	6,32	6,98	5,68		

Table A-49 COMPARISON OF ECONOMIC GROWTH IN ASIA

Year	Philippines												Developed Countries				World Bank	
	East Asia			South East Asia			Asia and Pacific			All Countries			World Bank					
	World Bank	ADB	PECC	World Bank	ADB	World Bank	World Bank	ADB	World Bank	ADB	IMF	ADB	IMF	World Bank	IMF			
1991	-0.58																	
1992	0.34																	
1993	2.12																	
1994	4.40																	
1995	4.83																	
1996	5.45																	
1997	6.3	6.0	6.5	8.2	7.3	6.6	5.5											
1998	7.0	6.5	6.8		7.5	6.8												
1999	7.5																	
2000	7.5																	
1996-2000	6.0	7.1																
1995-2005	5.7	6.9																
2000-2005	5.5	7.3		7.9			5.4											
2005-2010	5.0	7.3																
2010-2015	4.5	7.4																
2015-2020	4.0	7.7																
2020-2025	3.5	8.2																
1996-2025	4.8	7.4																
1990-2030	3.6	6.6																

Data Source : 1. World Development Report 1992, Development and the Environment, World Bank  
 2. Asian Economy 1997, Dept. of Research in Economic Planning Agency, Japan  
 3. Global Economic Prospects and The Developing Countries, 1996, World Bank  
 4. Philippine Statistical Yearbook, 1996, National Statistical Coordination Board (NSCB)

Notes: 1. "PECC" stands for Pacific Economic Cooperation Council.

2. Projection of 2030 for NEDA and JICA was extended by applying the same average growth rate during the period from 1990 to 2025.

Table A-50 PROJECTION OF GDP FOR ASIA AND THE PHILIPPINES

Region/Country	Agency	Case No.	1990		2025		2030		AAGR		Ratio of Annual Amount	
			GDP	Share	GDP	Share	GDP	Share	1990-2030	1990 to 2025	1990 to 2030	Times
Asia and Pacific	World Bank		3,820.0	100.00	3,757.3	100.00	4,677	100.00	4.4	4.4	4.6	5.7
	Lower Growth	Case-1 <sup>(1)</sup>	0.0437	5.33	0.2004	5.33	0.2491	5.33	4.4	4.4	4.6	5.7
Philippines	(JICA)	Case-2 <sup>(2)</sup>	0.0437	5.33	0.1508	4.01	0.1800	3.85	3.6	3.6	3.4	4.1
	NEDA	Case-1 <sup>(3)</sup>	0.0437	5.33	0.3905	10.39	0.5340	11.43	6.5	6.5	8.9	12.2
		Case-2 <sup>(4)</sup>	0.0437	5.33	0.4157	11.06	0.5734	12.28	6.6	6.6	9.5	13.1

Data Source : 1. World Development Report, 1992, Development and the Environment, World Bank

2. Preliminary Long-Term Development Plan (1997-2025), NEDA

Notes: \*1) This projection was conducted by the assumption that the share of Philippines in 1990 would be kept in the future.

\*2) This projection was conducted by taking account of the recent economic growth and the long term economic growth of developed countries.

\*3) This projection results were applied into this study.

\*4) The exchange Rates of Peso to US\$ are assumed to be 24,629 pesos in 1990 and 26,216 pesos in 2025 and 2030 respectively.

5. Projection of 2030 for NEDA and JICA was extended by applying the same average growth rate during the period from 1990 to 2025.





**Table A-54 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES IN TERMS OF GDP AND PRODUCTION - LOWER ECONOMIC GROWTH SCENARIO (1)**

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025	
Rice	Population	[A]	1,000 persons	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption Utilization	[B]	kg/year	92.2	91.6	98.5	101.5	103.5	105.1	106.1
	Total Consumption(Ton/year) :{A}x{B}	[C]	1,000 ton/year	6,327	7,222	8,293	9,320	10,249	11,086	11,831
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0	0	0	0	0	0	0
	b. Seeds	[E]	1,000 ton/year	184	265	390	441	475	493	502
	c. Feeds & Waste	[F]	1,000 ton/year	418	645	948	1,071	1,154	1,193	1,221
	d. Processing	[G]	1,000 ton/year	276	397	583	659	710	737	751
	Total Utilization: {C}+{D}+{E}+{F}+{G}	[H]	1,000 ton/year	7,235	8,529	10,215	11,491	12,588	13,515	14,305
	Import	[I]	1,000 ton/year	268	385	351	395	434	470	501
	GDP (Framework)	[J]	million pesos/year	28,190	40,571	59,658	67,381	72,603	75,395	76,791
	Conversion Factor of GDP to Production	[K]	kg/peso	0.245	0.245	0.245	0.245	0.245	0.245	0.245
	Converted Production (Framework)	[L]	1,000 ton/year	6,894	9,921	14,589	16,477	17,754	18,437	18,778
	Ratio of Production to Consumption :{L}{C}x100	%		109.0	137.4	175.9	176.8	173.2	166.3	158.7
	Ratio of Production to Total Utilization :{L}{H}x100	%		95.3	116.3	142.8	143.4	141.0	135.4	131.3
Self-Sufficiency Ratio: ({L}{I}{D}+{I})x100	%		96.3	96.3	97.6	97.7	97.6	97.5	97.4	
Corn	Per Capita Consumption Utilization	[B]	kg/year	15.7	15.8	15.9	16.0	16.0	16.1	16.2
	Total Consumption(Ton/year) :{A}x{B}	[C]	1,000 ton/year	1,078	1,205	1,337	1,465	1,587	1,700	1,805
	Other Utilization									
	a. Export	[D]	1,000 ton/year	206	212	212	225	229	237	239
	b. Seeds	[E]	1,000 ton/year	54	56	55	59	60	62	63
	c. Feeds & Waste	[F]	1,000 ton/year	2,833	2,973	2,973	3,155	3,199	3,318	3,348
	d. Processing	[G]	1,000 ton/year	551	568	568	602	611	634	630
	Total Utilization: {C}+{D}+{E}+{F}+{G}	[H]	1,000 ton/year	4,772	5,013	5,146	5,506	5,685	5,950	6,095
	Import	[I]	1,000 ton/year	0.09	0.10	0.11	0.12	0.13	0.14	0.15
	GDP (Framework)	[J]	million pesos/year	9,837	10,141	10,144	10,762	10,913	11,319	11,423
	Conversion Factor of GDP to Production	[K]	kg/peso	0.420	0.420	0.420	0.420	0.420	0.420	0.420
	Converted Production (Framework)	[L]	1,000 ton/year	4,129	4,256	4,257	4,517	4,580	4,750	4,794
	Ratio of Production to Consumption :{L}{C}x100	%		382.9	353.1	318.5	308.3	288.6	279.5	265.6
	Ratio of Production to Total Utilization :{L}{H}x100	%		86.5	84.9	82.7	81.0	80.6	79.8	78.7
	Self-Sufficiency Ratio: ({L}{I}{D}+{I})x100	%		105.2	105.2	105.2	105.2	105.2	105.2	105.2
Coconut	Per Capita Consumption Utilization	[B]	kg/year	8.5	8.9	9.4	9.9	10.4	10.9	11.5
	Total Consumption(Ton/year) :{A}x{B}	[C]	1,000 ton/year	584	683	792	907	1,028	1,151	1,279
	Other Utilization									
	a. Export	[D]	1,000 ton/year	3.1	3.1	3.1	3.2	3.3	3.5	3.6
	b. Seeds	[E]	1,000 ton/year	117	116	116	120	124	131	135
	c. Feeds & Waste	[F]	1,000 ton/year	6,317	6,267	6,270	6,494	6,715	7,069	7,310
	d. Processing	[G]	1,000 ton/year	4,880	4,842	4,844	5,017	5,188	5,461	5,648
	Total Utilization: {C}+{D}+{E}+{F}+{G}	[H]	1,000 ton/year	11,901	11,911	12,024	12,542	13,060	13,816	14,376
	Import	[I]	1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	million pesos/year	7,380	7,322	7,325	7,587	7,846	8,259	8,541
	Conversion Factor of GDP to Production	[K]	kg/peso	1.585	1.585	1.585	1.585	1.585	1.585	1.585
	Converted Production (Framework)	[L]	1,000 ton/year	11,701	11,609	11,614	12,029	12,440	13,094	13,542
	Ratio of Production to Consumption :{L}{C}x100	%		2,004	1,701	1,467	1,326	1,210	1,137	1,059
	Ratio of Production to Total Utilization :{L}{H}x100	%		98.3	97.5	96.6	95.9	95.3	94.8	94.2
	Self-Sufficiency Ratio: ({L}{I}{D}+{I})x100	%		100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sugarcane	Per Capita Consumption Utilization	[B]	kg/year	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	Total Consumption(Ton/year) :{A}x{B}	[C]	1,000 ton/year	175	196	217	238	258	276	294
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0.004	0.005	0.005	0.005	0.005	0.006	0.006
	b. Seeds	[E]	1,000 ton/year	0	0	0	0	0	0	0
	c. Feeds & Waste	[F]	1,000 ton/year	0	0	0	0	0	0	0
	d. Processing	[G]	1,000 ton/year	17,389	21,201	21,407	22,174	23,499	24,977	25,833
	Total Utilization: {C}+{D}+{E}+{F}+{G}	[H]	1,000 ton/year	17,564	21,397	21,624	22,413	23,757	25,254	26,126
	Import	[I]	1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	million pesos/year	3,964	4,833	4,880	5,055	5,357	5,694	5,889
	Conversion Factor of GDP to Production	[K]	kg/peso	4.436	4.436	4.436	4.436	4.436	4.436	4.436
	Converted Production (Framework)	[L]	1,000 ton/year	17,584	21,439	21,647	22,424	23,763	25,258	26,123
	Ratio of Production to Consumption :{L}{C}x100	%		10,029	10,939	9,960	9,412	9,207	9,138	8,900
	Ratio of Production to Total Utilization :{L}{H}x100	%		100.1	100.2	100.1	100.0	100.0	100.0	100.0
	Self-Sufficiency Ratio: ({L}{I}{D}+{I})x100	%		100.0	100.0	100.0	100.0	100.0	100.0	100.0

Data Sources : 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division, Bureau of Agricultural Statistics, Department of Agriculture, December 1996.  
2. "Selected Indicators of Food Situation in the Philippines", Bureau of Agricultural Statistics, April 1995.

**Table A-55 FRAMEWORK FOR MAJOR AGRICULTURAL COMMODITIES IN TERMS OF GDP AND PRODUCTION - LOWER ECONOMIC GROWTH SCENARIO (2)**

Major Commodities	Item	Unit	1995	2000	2005	2010	2015	2020	2025	
Banana	Population	[A]	1,000 persons	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption Utilization	[B]	kg/year	20.4	20.6	20.7	20.8	20.9	21.0	21.1
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000 ton/year	1,403	1,569	1,741	1,908	2,067	2,213	2,350
	Other Utilization									
	a. Export	[D]	1,000 ton/year	1,110	1,068	1,073	1,074	1,166	1,258	1,301
	b. Seeds	[E]	1,000 ton/year	184	177	178	178	194	209	216
	c. Feeds & Waste	[F]	1,000 ton/year	448	431	433	434	471	508	525
	d. Processing	[G]	1,000 ton/year	276	265	266	267	290	312	323
	Total Utilization: [C]+[D]+[E]+[F]+[G]	[H]	1,000 ton/year	2,311	2,511	2,691	2,861	3,187	3,401	3,516
	Import	[I]	1,000 ton/year	0	0	0	0	0	0	0
	GDP (Framework)	[J]	million pesos/year	2,962	2,849	2,862	2,866	3,112	3,357	3,472
	Conversion Factor of GDP to Production	[K]	kg/peso	1,062	1,062	1,062	1,062	1,062	1,062	1,062
	Converted Production (Framework)	[L]	1,000 ton/year	3,145	3,025	3,038	3,043	3,304	3,564	3,686
	Ratio of Production to Consumption : [L]/[C]x100	%		224.4	192.7	174.6	159.5	159.9	161.0	156.8
	Ratio of Production to Total Utilization : [L]/[H]x100	%		136.1	86.2	82.3	78.8	78.9	79.2	78.2
Self-Sufficiency Ratio: ([L]-[D]-[E]-[F]-[G])/[H]x100	%		154.6	154.6	154.6	154.6	154.6	154.6	154.6	
Livestock	Population	[A]	1,000 person	68,614	76,320	84,214	91,851	99,008	105,503	111,473
	Per Capita Consumption Utilization	[B]	kg/year	17.2	19.0	20.8	22.5	24.1	25.6	27.2
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000 ton/year	1,182	1,451	1,751	2,068	2,389	2,702	3,030
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0	0	0	0	0	0	0
	b. Feeds & Waste	[E]	1,000 ton/year	0	0	0	0	0	0	0
	c. Processing	[F]	1,000 ton/year	27	35	47	67	85	118	167
	Total Utilization: [C]+[D]+[E]+[F]	[G]	1,000 ton/year	1,209	1,487	1,798	2,130	2,474	2,821	3,197
	Import	[H]	1,000 ton/year	45.1	55.4	66.8	78.9	91.2	103.1	115.6
	GDP (Framework)	[I]	million pesos/year	19,839	26,181	34,916	46,496	63,316	88,153	124,285
	Conversion Factor of GDP to Production	[J]	kg/peso	0.061	0.061	0.061	0.061	0.061	0.061	0.061
	Converted Production (Framework)	[K]	1,000 ton/year	1,211	1,598	2,131	2,838	3,864	5,380	7,585
	Ratio of Production to Consumption : [K]/[C]x100	%		102.4	110.1	121.7	132.7	161.7	199.1	250.4
	Ratio of Production to Total Utilization : [K]/[G]x100	%		100.2	107.5	118.5	133.2	156.2	190.7	237.3
	Self-Sufficiency Ratio: ([K]-[D]-[E]-[F]-[H])/[G]x100	%		96.4	96.6	97.0	97.3	97.7	98.1	98.5
Poultry	Per Capita Consumption Utilization	[B]	kg/year	7.9	8.5	9.2	9.8	10.5	11.3	12.1
	Total Consumption(Ton/year) :[A]x[B]	[C]	1,000 ton/year	544	652	771	902	1,042	1,190	1,348
	Other Utilization									
	a. Export	[D]	1,000 ton/year	0	0	0	0	0	0	0
	b. Egg Hatched	[E]	1,000 ton/year	24	18	24	31	41	56	78
	c. Processing	[F]	1,000 ton/year	5	6	8	11	15	20	28
	Total Utilization: [C]+[D]+[E]+[F]	[G]	1,000 ton/year	563	676	803	944	1,098	1,267	1,453
	Import	[H]	1,000 ton/year	0.5	0.7	0.8	0.9	1.0	1.2	1.36
	GDP (Framework)	[I]	million pesos/year	16,056	20,791	27,209	35,554	47,508	64,903	89,791
	Conversion Factor of GDP to Production	[J]	kg/peso	0.036	0.036	0.036	0.036	0.036	0.036	0.036
	Converted Production (Framework)	[K]	1,000 ton/year	585	758	992	1,296	1,732	2,366	3,273
	Ratio of Production to Consumption : [K]/[C]x100	%		107.6	116.2	128.6	143.7	166.2	198.8	242.9
	Ratio of Production to Total Utilization : [K]/[G]x100	%		104.0	112.0	123.5	137.4	157.7	186.8	225.2
	Self-Sufficiency Ratio: ([K]-[D]-[E]-[F]-[H])/[G]x100	%		99.9	99.9	99.9	99.9	99.9	99.9	100.0
	Fishery	Per Capita Consumption Utilization	[B]	kg/year	23.1	23.2	23.3	23.4	23.6	23.7
Total Consumption(Ton/year) :[A]x[B]		[C]	1,000 ton/year	1,584	1,771	1,964	2,153	2,332	2,498	2,651
Other Utilization										
a. Export		[D]	1,000 ton/year	172	167	178	186	193	195	215
b. Feeds & Waste		[E]	1,000 ton/year	124	120	128	134	138	140	154
c. Processing		[F]	1,000 ton/year	1,123	1,086	1,162	1,214	1,258	1,273	1,402
Total Utilization: [C]+[D]+[E]+[F]		[G]	1,000 ton/year	3,004	3,143	3,433	3,687	3,922	4,166	4,422
Import		[H]	1,000 ton/year	262	253	271	283	294	297	327
GDP (Framework)		[I]	million pesos/year	33,853	32,730	35,026	36,590	37,918	38,366	42,237
Conversion Factor of GDP to Production		[J]	kg/peso	0.137	0.137	0.137	0.137	0.137	0.137	0.137
Converted Production (Framework)		[K]	1,000 ton/year	4,631	4,477	4,791	5,005	5,187	5,248	5,778
Ratio of Production to Consumption : [K]/[C]x100		%		292.3	252.8	243.9	232.5	222.4	210.1	218.0
Ratio of Production to Total Utilization : [K]/[G]x100		%		154.2	142.4	139.6	135.7	132.2	127.8	130.7
Self-Sufficiency Ratio: ([K]-[D]-[E]-[F]-[H])/[G]x100		%		98.1	98.1	98.1	98.1	98.1	98.1	98.1

Data Sources: 1. "Supply and Utilization Accounts of Selected Agricultural Commodities" 1992-1995, Agricultural Accounts and Statistical Indicators Division, Bureau of Agricultural Statistics, Department of Agriculture, December 1996.  
2. "Selected Indicators of Food Situation in the Philippines", Bureau of Agricultural Statistics, April 1995.



**Table A-56 RESULT OF PROJECTION FOR GRDP BY REGION (LOWER GROWTH)  
(AT CONSTANT 1985 PRICES)**

No.	Region	Annual Average Growth Rate (%)														
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-1996)	(1996-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)
NCR	Metro Manila	240,121	254,649	326,833	431,744	554,180	690,090	838,035	992,338	6.05	6.44	5.73	5.12	4.48	3.96	3.44
CAR	Candilera	16,762	17,699	22,429	29,468	37,667	46,894	56,863	67,345	5.59	6.10	5.61	5.03	4.48	3.93	3.44
I	Ilocos	24,021	26,004	33,057	42,157	52,593	64,740	78,162	92,205	8.25	6.18	4.98	4.52	4.24	3.84	3.36
II	Cagayan Valley	16,485	17,699	23,380	30,090	37,655	46,580	56,415	66,562	7.36	7.21	5.18	4.59	4.35	3.91	3.36
III	Central Luzon	78,383	82,324	103,435	135,187	172,371	214,385	259,725	306,992	5.03	5.87	5.50	4.98	4.46	3.91	3.40
IV	South Tagalog	126,303	132,107	171,137	229,971	304,322	384,650	476,772	575,454	4.60	4.86	6.09	5.55	5.00	4.29	3.83
V	Bicol	23,520	24,042	29,070	36,053	43,851	52,431	61,601	70,912	2.22	4.86	4.40	3.99	3.64	3.28	2.85
VI	West Visayas	58,227	59,618	73,115	92,061	113,151	136,313	161,067	186,129	2.39	5.23	4.72	4.21	3.79	3.39	2.93
VII	Central Visayas	52,680	57,167	72,627	97,810	128,398	163,848	203,743	246,848	8.52	6.13	6.17	5.59	5.00	4.45	3.91
VIII	East Visayas	19,374	20,941	26,552	36,673	49,752	65,894	84,488	105,136	8.09	5.91	6.83	6.29	5.78	5.10	4.47
IX	West Mindanao	21,599	22,370	28,781	37,712	48,259	60,044	73,840	89,044	3.57	3.61	3.56	3.39	3.18	2.94	2.63
X	North Mindanao	41,758	44,179	55,350	72,201	92,188	115,416	141,174	168,575	5.80	5.80	5.46	5.01	4.60	4.11	3.61
XI	South Mindanao	54,200	55,989	67,553	84,342	103,542	124,872	147,949	171,873	3.30	4.81	4.54	4.19	3.82	3.45	3.04
XII	Central Mindanao	22,952	23,895	27,984	34,201	41,203	48,798	56,716	64,724	8.36	4.03	4.09	3.80	3.44	3.05	2.68
ARMM	Autonomous Region of Muslim Mindanao	7,965	8,579	11,547	15,318	20,075	26,163	33,439	41,789	7.71	7.71	5.81	5.56	5.44	5.03	4.56
	Total	803,450	847,262	1,069,640	1,397,988	1,784,227	2,223,471	2,705,192	3,212,920	5.45	6.00	5.50	5.00	4.50	4.00	3.50

Data Source: The figures as of 1995 and 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

**Table A-57 RESULT OF PROJECTION FOR GRDP PER CAPITA BY REGION (LOWER GROWTH)  
(AT CONSTANT 1985 PRICES)**

No.	Region	Annual Average Growth Rate (%)													
		1995	2000	2005	2010	2015	2020	2025	(1995-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)	(1995-2025)
NCR	Metro Manila	25,399	31,410	38,243	46,103	54,812	64,340	74,824	84,324	4.02	3.81	3.52	3.26	2.93	2.61
CAR	Candilera	13,346	16,015	18,973	22,137	25,528	29,016	32,549	36,133	3.45	3.13	2.89	2.61	2.31	2.02
I	Ilocos	6,316	7,984	9,406	10,952	12,729	14,669	16,668	18,727	3.33	3.09	3.03	2.88	2.59	2.29
II	Cagayan Valley	6,500	8,312	9,748	11,270	13,082	15,079	17,087	19,087	3.24	2.95	3.03	2.88	2.53	2.27
III	Central Luzon	11,306	13,485	16,043	18,939	22,170	25,479	28,880	32,377	3.58	3.37	3.16	2.86	2.54	2.28
IV	Southern Tagalog	12,704	15,143	17,952	20,865	23,694	26,406	28,913	31,267	3.46	3.05	2.58	2.19	1.83	1.48
V	Bicol	5,437	6,112	6,980	7,886	8,856	9,887	10,912	11,912	2.97	2.47	2.35	2.23	1.99	1.74
VI	Western Visayas	10,079	11,561	13,372	15,247	17,242	19,340	21,408	23,446	2.95	2.66	2.49	2.32	2.05	1.78
VII	Central Visayas	10,507	13,111	16,118	19,532	23,346	27,481	31,889	36,133	4.22	3.94	3.61	3.31	2.96	2.64
VIII	Eastern Visayas	5,756	7,039	8,873	10,998	13,451	16,108	18,889	21,741	4.74	4.39	4.11	3.67	3.24	2.82
IX	Western Mindanao	7,728	8,179	9,343	10,663	12,143	13,856	15,639	17,481	1.28	1.39	1.50	1.53	1.40	1.27
X	Northern Mindanao	10,561	12,461	14,570	16,868	19,379	22,059	24,719	27,419	3.18	2.97	2.83	2.61	2.30	2.00
XI	Southern Mindanao	10,682	11,749	13,063	14,488	16,034	17,657	19,259	20,919	2.14	2.09	2.05	1.96	1.74	1.58
XII	Central Mindanao	9,344	10,519	11,509	12,611	13,827	15,087	16,309	17,587	1.81	1.85	1.86	1.76	1.57	1.37
ARMM	Autonomous Region of Muslim Mindanao	3,941	5,234	6,358	7,696	9,393	11,406	13,665	16,065	3.97	3.89	4.07	3.96	3.68	3.43
	Total	117,710	149,015	186,600	224,425	264,488	308,441	354,441	401,441	3.44	3.19	2.94	2.69	2.37	2.05

Data Source: The figures as of 1995 and 1996 were referred from Philippine Statistical Yearbook, 1997, NSCB

**Table A-58 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN AGRICULTURE AND FORESTRY BY REGION (LOWER GROWTH) (AT CONSTANT 1985 PRICES)**

No.	Region	Annual Average Growth Rate (%)														
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-1996)	(1996-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)
NCR	Metro Manila	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAR	Cordillera	3,085	3,200	3,570	4,140	4,627	5,143	5,609	5,946	3,74	2,77	3,01	2,25	2,14	1,75	1,17
I	Ilocos	10,448	11,689	14,081	16,414	18,416	20,549	22,484	23,884	11,58	4,77	3,11	2,33	2,22	1,82	1,22
II	Cagayan Valley	8,752	9,581	12,447	15,028	17,318	20,159	22,828	24,844	9,48	6,76	3,84	2,88	2,74	2,25	1,51
III	Central Luzon	17,492	17,904	19,207	21,680	23,735	25,868	27,757	29,099	2,36	1,77	2,45	1,83	1,74	1,42	0,95
IV	Southern Tagalog	32,573	33,622	36,070	40,968	45,066	49,340	53,143	55,854	3,22	1,77	2,58	1,92	1,83	1,50	1,00
V	Bicol	8,692	8,710	9,344	10,285	11,048	11,822	12,494	12,965	1,11	1,44	1,77	1,94	1,36	1,11	0,74
VI	Western Visayas	19,296	19,130	20,928	23,646	25,909	28,259	30,341	31,921	-0,86	2,27	2,47	1,84	1,75	1,43	1,08
VII	Central Visayas	7,601	7,786	8,030	8,633	9,108	9,580	9,982	10,259	2,44	0,77	1,46	1,08	1,02	0,82	0,55
VIII	Eastern Visayas	6,074	6,142	6,335	7,735	8,991	10,379	12,697	14,680	1,13	0,77	4,07	3,05	2,91	2,39	1,90
IX	Western Mindanao	10,967	11,217	11,569	12,081	12,469	12,841	13,148	13,354	2,28	0,77	0,87	0,63	0,59	0,47	0,31
X	Northern Mindanao	15,360	16,002	17,572	19,854	21,754	23,727	25,475	26,718	4,57	2,27	2,47	1,84	1,75	1,43	0,96
XI	Southern Mindanao	20,628	20,673	21,321	22,740	23,849	24,942	25,864	26,495	0,22	0,77	1,30	0,96	0,90	0,73	0,48
XII	Central Mindanao	7,328	7,491	7,726	8,068	8,327	8,576	8,780	8,918	2,23	0,77	0,87	0,63	0,59	0,47	0,31
ARMM	Autonomous Region of Muslim Mindanao	4,702	5,100	6,382	7,401	8,270	9,193	10,027	10,629	8,47	5,76	3,01	2,25	2,14	1,75	1,17
Total		172,998	178,310	194,581	218,673	238,866	260,046	278,943	292,470	3,07	2,21	2,36	1,78	1,71	1,41	0,95

Data Source: The figures as of 1995 were referred from Philippine Statistical Yearbook, 1996, NSCB

**Table A-59 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN INDUSTRY BY REGION (LOWER GROWTH) (AT CONSTANT 1985 PRICES)**

No.	Region	Annual Average Growth Rate (%)														
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-1996)	(1996-2000)	(2000-2005)	(2005-2010)	(2010-2015)	(2015-2020)	(2020-2025)
NCR	Metro Manila	99,189	104,414	136,468	187,745	247,041	314,051	384,688	458,665	5,27	7,31	6,28	5,64	4,92	4,14	3,38
CAR	Cordillera	9,645	10,232	13,158	17,249	22,010	27,238	32,583	38,063	6,08	6,49	5,56	5,00	4,35	3,66	3,16
I	Ilocos	3,899	4,329	6,505	10,116	15,089	21,439	28,892	37,460	11,31	10,72	9,23	8,32	7,28	6,15	5,23
II	Cagayan Valley	2,216	2,439	3,771	6,051	9,288	13,538	18,649	24,651	10,07	11,51	9,92	8,95	7,83	6,62	5,74
III	Central Luzon	36,007	36,057	49,156	68,895	92,924	121,098	151,432	183,908	5,42	8,06	6,92	6,23	5,43	4,58	3,96
IV	Southern Tagalog	55,581	59,005	83,335	121,057	169,673	228,104	293,137	364,531	6,16	9,01	7,76	6,98	6,10	5,14	4,46
V	Bicol	5,081	5,414	7,357	10,246	13,817	17,951	22,401	27,149	6,55	7,97	6,85	6,16	5,37	4,53	3,92
VI	West Visayas	13,679	14,216	18,992	23,959	34,410	44,029	54,234	64,980	3,93	7,51	6,45	5,80	5,05	4,25	3,68
VII	Central Visayas	15,969	17,208	24,392	35,579	50,048	67,503	96,991	108,444	7,76	9,11	7,84	7,06	6,17	5,20	4,51
VIII	East Visayas	6,741	7,582	11,556	18,253	27,617	39,739	54,142	70,874	12,47	11,11	9,57	8,63	7,55	6,38	5,53
IX	West Mindanao	3,798	3,989	5,467	7,684	10,448	13,975	17,174	20,900	5,03	8,20	7,05	6,34	5,53	4,66	4,04
X	North Mindanao	11,167	12,023	17,318	25,708	36,747	50,275	67,477	82,647	7,67	9,55	8,22	7,41	6,47	5,46	4,73
XI	South Mindanao	13,925	14,791	19,704	27,020	35,823	45,946	56,480	67,680	6,22	7,51	6,45	5,80	5,06	4,26	3,68
XII	Central Mindanao	8,822	9,827	12,781	16,964	21,892	27,354	33,016	38,859	11,39	6,79	5,83	5,23	4,56	3,83	3,31
ARMM	Autonomous Region of Muslim Mindanao	1,314	1,480	2,458	4,270	7,047	10,957	15,956	22,149	12,60	13,53	11,68	10,54	9,23	7,81	6,78
Total		245,220	303,006	414,477	582,606	793,873	1,042,746	1,315,364	1,610,990	6,24	8,15	7,05	6,38	5,61	4,75	4,14

Data Source: The figures as of 1995 were referred from Philippine Statistical Yearbook, 1996

**Table A-60 RESULT OF PROJECTION FOR GROSS VALUE ADDED IN SERVICE BY REGION (LOWER GROWTH)  
(AT CONSTANT 1985 PRICES)**

(Unit: Million Pesos)

No.	Region	Annual Average Growth Rate (%)														
		1995	1996	2000	2005	2010	2015	2020	2025	(1995-1996)	(2000-2005)	(2010-2015)	(2015-2020)	(2020-2025)	(1995-2025)	
NCR	Metro Manila	140,931	149,633	188,366	244,000	307,139	376,038	453,348	533,872	6,17	5,92	4,71	4,13	3,81	3,32	4,54
CAR	Cardillera	4,033	4,211	5,701	8,079	11,031	14,523	18,670	23,334	4,40	7,87	6,43	5,65	5,15	4,56	6,03
I	Iloos	9,684	10,177	12,471	15,626	19,088	22,751	26,787	30,861	5,09	5,21	4,08	3,57	3,32	2,87	3,94
II	Cagayan Valley	5,517	5,824	7,161	9,011	11,049	13,215	15,606	18,030	5,57	5,30	4,70	3,64	3,38	2,93	4,03
III	Central Luzon	26,687	28,172	35,072	44,812	55,712	67,459	80,536	93,986	5,57	5,63	4,45	3,90	3,61	3,14	4,29
IV	South Taguig	38,149	40,640	51,732	67,937	86,583	107,186	130,492	155,059	6,53	6,22	4,97	4,56	4,01	3,51	4,79
V	Bicol	9,747	10,082	12,369	15,522	18,986	22,638	26,796	30,798	3,43	5,25	4,65	3,60	3,34	2,89	3,91
VI	West Visayas	25,253	26,642	33,195	43,456	52,833	64,025	76,493	89,327	5,50	5,65	4,47	3,92	3,62	3,15	4,30
VII	Central Visayas	29,111	31,202	40,204	53,597	69,242	86,765	106,770	128,145	7,18	6,54	5,26	4,62	4,24	3,72	5,06
VIII	East Visayas	6,558	6,862	8,462	10,685	13,145	15,766	18,666	21,615	4,63	5,38	4,78	3,70	3,43	2,98	4,06
IX	West Mindanao	6,854	7,143	8,745	10,947	13,361	15,913	18,722	21,556	4,51	5,19	4,59	3,56	3,31	2,86	3,90
X	North Mindanao	15,232	16,186	20,461	26,639	33,687	41,414	50,110	59,210	6,27	6,03	5,42	4,31	4,22	3,59	4,63
XI	South Mindanao	19,647	20,880	26,468	34,582	43,870	54,085	65,605	77,697	6,28	6,11	5,49	4,28	3,94	3,44	4,69
XII	Central Mindanao	5,902	6,209	7,477	9,169	10,984	12,868	14,920	16,947	5,20	4,75	4,16	3,22	3,00	2,58	3,58
ARMM	Autonomous Region of Muslim Mindanao	1,940	2,083	2,707	3,648	4,758	6,013	7,455	9,011	6,88	6,77	6,14	5,46	4,39	3,86	5,24
	Total	345,234	365,946	460,591	595,709	751,468	920,678	1,110,886	1,309,459	6,00	5,92	5,31	4,15	3,83	3,34	4,54

Data Source: The figures as of 1995 were referred from Philippine Statistical Yearbook, 1996

**Table A-61 THE RESULT OF PROJECTION FOR GVA IN AGRICULTURAL SECTOR BY WATER RESOURCE REGION AND RIVER BASIN (LOWER GROWTH) (AT CONSTANT 1985 PRICES)**

No.	Water Resources	River Basin	(Unit: Mill. Pesos)													
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate (%)						
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-
Region																
I	Ilocos	Abra	1,395	1,745	2,039	2,311	2,615	2,918	3,151	4.58	3.16	2.54	2.50	2.22	1.76	2.79
		Ilocos	1,350	1,820	2,132	2,423	2,751	3,081	3,374	6.15	3.22	2.59	2.57	2.29	1.84	3.10
		Sub-total	2,745	3,564	4,171	4,734	5,365	5,999	6,558	5.36	3.19	2.57	2.54	2.26	1.80	2.95
		Other Area	4,258	5,694	6,670	7,579	8,600	9,629	10,541	5.98	3.21	2.59	2.56	2.29	1.83	3.07
		Total	7,003	9,259	10,841	12,313	13,965	15,628	17,100	5.74	3.21	2.58	2.55	2.28	1.82	3.02
II	Cagayan Valley	Cagayan	7,865	11,030	13,417	15,831	18,742	21,994	25,356	7.00	3.99	3.37	3.43	3.25	2.89	3.98
		Abulug	837	1,077	1,287	1,491	1,732	1,991	2,245	5.18	3.62	3.00	3.04	2.83	2.43	3.35
		Sub-total	8,702	12,107	14,703	17,322	20,474	23,985	27,601	6.83	3.96	3.33	3.40	3.22	2.85	3.92
		Other Area	1,956	2,580	3,089	3,588	4,177	4,813	5,442	5.73	3.66	3.04	3.08	2.88	2.49	3.42
		Total	10,688	14,688	17,792	20,911	24,651	28,798	33,043	6.56	3.91	3.28	3.35	3.16	2.79	3.83
III	Central Luzon	Pampanga	9,172	10,071	11,373	12,458	13,569	14,518	15,123	1.59	2.46	1.84	1.72	1.35	0.82	1.68
		Agao	4,741	5,755	6,671	7,465	8,330	9,158	9,835	4.06	2.89	2.27	2.22	1.92	1.44	2.46
		Sub-total	13,912	15,826	18,045	19,923	21,898	23,676	24,958	2.65	2.62	2.00	1.91	1.57	1.06	1.97
		Other Area	19,380	11,948	13,635	15,096	16,644	18,057	19,107	2.85	2.68	2.06	1.97	1.64	1.14	2.05
		Total	24,292	27,604	31,680	35,019	38,542	41,733	44,065	2.74	2.61	2.02	1.94	1.60	1.09	2.00
IV	Southern Tagalog	Pasig Laguna Bay	2,631	2,913	3,312	3,654	4,010	4,328	4,551	2.05	2.60	1.98	1.88	1.54	1.01	1.84
		Amnay Patrick	2,009	2,225	2,531	2,792	3,065	3,309	3,480	2.06	2.61	1.98	1.89	1.54	1.02	1.85
		Sub-total	4,640	5,138	5,843	6,445	7,075	7,637	8,031	2.06	2.61	1.98	1.88	1.54	1.01	1.85
		Other Area	25,727	28,488	32,403	35,750	39,249	42,369	45,567	2.06	2.61	1.98	1.89	1.54	1.02	1.85
		Total	30,367	33,626	38,246	42,195	46,325	50,005	52,598	2.06	2.61	1.98	1.89	1.54	1.02	1.85
V	Bicol	Bicol	2,111	2,269	2,490	2,650	2,795	2,885	2,890	1.46	1.87	1.26	1.07	0.64	0.03	1.05
		Other Area	6,581	7,075	7,763	8,263	8,714	8,996	9,011	1.45	1.87	1.26	1.07	0.64	0.03	1.05
		Total	8,692	9,344	10,253	10,913	11,508	11,881	11,902	1.46	1.87	1.26	1.07	0.64	0.03	1.05
VI	Western Visaya	Panay	2,477	2,685	3,037	3,331	3,633	3,893	4,061	1.64	2.49	1.86	1.75	1.39	0.85	1.66
		Ilog Habangon	2,147	2,327	2,626	2,875	3,130	3,347	3,485	1.62	2.45	1.83	1.71	1.35	0.81	1.63
		Jalaur	1,541	1,672	1,899	2,073	2,261	2,422	2,527	1.64	2.40	1.86	1.75	1.39	0.85	1.66
		Sub-total	6,165	6,685	7,553	8,279	9,023	9,662	10,074	1.63	2.47	1.85	1.74	1.38	0.84	1.65
		Other Area	14,546	15,739	17,706	19,376	20,971	22,353	23,197	1.59	2.38	1.77	1.65	1.28	0.74	1.57
Total	20,712	22,424	25,260	27,655	29,994	32,015	33,272	1.60	2.41	1.79	1.67	1.31	0.77	1.59		
VII	Central Visayas	6,184	6,533	6,927	7,228	7,594	7,984	7,125	1.13	1.32	0.71	0.46	-0.04	-0.70	0.47	
VIII	Eastern Visayas	6,074	6,335	7,827	9,381	11,300	13,514	15,903	0.84	4.32	3.60	3.79	3.64	3.31	3.26	
IX	Southern Mindanao	13,111	14,256	15,043	15,420	15,630	15,494	14,994	1.69	1.08	0.50	0.27	-0.18	-0.77	0.43	
X	Northern Mindanao	Agusan	6,554	7,381	8,267	8,986	9,707	10,301	10,641	2.41	2.29	1.68	1.56	1.19	0.65	1.63
		Taguluan	1,399	1,600	1,809	1,984	2,164	2,319	2,419	2.73	2.49	1.86	1.75	1.39	0.85	1.84
		Cagayan De Oro	1,314	1,504	1,700	1,864	2,033	2,179	2,273	2.73	2.49	1.86	1.75	1.39	0.85	1.84
		Sub-total	9,267	10,485	11,776	12,834	13,905	14,798	15,334	2.50	2.35	1.74	1.62	1.25	0.71	1.69
		Other Area	3,725	4,262	4,818	5,284	5,763	6,175	6,443	2.73	2.40	1.86	1.75	1.39	0.85	1.84
Total	12,992	14,746	16,595	18,119	19,668	20,973	21,777	2.57	2.39	1.77	1.65	1.29	0.75	1.74		
XI	Southeastern Mindanao	Tagun-Libuganon	2,493	2,576	2,727	2,799	2,834	2,798	2,667	0.66	1.14	0.53	0.25	-0.26	-0.95	0.23
		Buayan-Malungun	1,092	1,129	1,194	1,226	1,242	1,225	1,168	0.66	1.14	0.53	0.25	-0.26	-0.95	0.23
		Davao	1,417	1,464	1,550	1,591	1,611	1,590	1,516	0.66	1.14	0.53	0.25	-0.26	-0.95	0.23
		Sub-total	5,001	5,169	5,471	5,616	5,687	5,613	5,352	0.66	1.14	0.53	0.25	-0.26	-0.95	0.23
		Other Area	13,558	14,571	15,633	16,291	16,806	16,972	16,643	1.45	1.42	0.83	0.62	0.20	-0.39	0.69
Total	18,559	19,740	21,104	21,907	22,493	22,585	21,995	1.24	1.34	0.75	0.53	0.08	-0.53	0.57		
XII	Southern Mindanao	Mindanao	11,780	13,081	14,118	14,816	15,423	15,755	15,669	2.12	1.54	0.97	0.81	0.43	-0.11	0.96
		Agus	779	921	1,010	1,079	1,147	1,200	1,228	3.41	1.87	1.32	1.23	0.92	0.46	1.53
		Sub-total	12,559	14,002	15,128	15,894	16,570	16,955	16,898	2.20	1.56	0.99	0.84	0.46	-0.07	0.99
		Other Area	4,765	1,824	1,930	1,931	2,006	1,980	1,883	0.66	1.14	0.53	0.25	-0.26	-0.95	0.23
		Total	14,324	15,826	17,059	17,826	18,577	18,935	18,786	2.02	1.51	0.94	0.77	0.38	-0.16	0.91
Grand Total			172,995	194,581	218,673	239,886	260,046	278,943	292,470	2.38	2.36	1.78	1.71	1.41	0.95	1.72

**Table A-62 THE RESULT OF PROJECTION FOR GVA IN INDUSTRIAL SECTOR BY WATER RESOURCE REGION AND RIVER BASIN (LOWER GROWTH) (AT CONSTANT 1985 PRICES)**

		(Unit: Mill. Pesos)														
No.	Water Resources	River Basin	1985	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate(%)						
										1985-	2000-	2005-	2010-	2015-	2020-	1995-
Region				2000	2005	2010	2015	2020	2025	2025						
I	Ilocos	Abra	1,108	1,535	2,033	2,616	3,255	3,900	4,543	6.74	5.78	5.17	4.47	3.68	3.10	4.81
		Ilocos	207	350	557	854	1,254	1,762	2,403	11.68	9.69	8.92	8.00	7.04	6.44	8.51
		Sub-total	1,315	1,886	2,590	3,470	4,509	5,662	6,946	7.47	6.55	6.02	5.38	4.66	4.17	5.70
		Other Area	4,639	6,631	9,080	12,125	15,700	19,646	24,010	7.41	6.49	5.95	5.31	4.59	4.09	5.63
		Total	5,955	8,517	11,670	15,592	20,209	25,308	30,956	7.42	6.50	5.97	5.32	4.60	4.11	5.65
II	Cagayan Valley	Cagayan	2,678	4,272	6,636	10,057	14,734	20,795	28,679	9.79	9.21	8.67	7.94	7.13	6.64	8.22
		Abulug	325	481	692	976	1,341	1,787	2,338	8.16	7.55	7.12	6.56	5.90	5.52	6.60
		Sub-total	3,003	4,753	7,328	11,033	16,076	22,582	31,017	9.62	9.04	8.53	7.82	7.03	6.55	8.09
		Other Area	896	1,351	1,924	2,684	3,648	4,810	6,230	8.57	7.32	6.89	6.33	5.69	5.31	6.68
		Total	3,899	6,105	9,252	13,717	19,723	27,392	37,247	9.38	8.67	8.19	7.53	6.79	6.34	7.81
III	Central Luzon	Pampanga	26,110	37,505	52,320	70,515	91,306	113,122	135,397	7.51	6.88	6.15	5.30	4.38	3.66	5.64
		Agno	6,846	9,892	13,754	18,604	24,342	30,690	37,690	7.64	6.81	6.23	5.52	4.74	4.20	5.85
		Sub-total	32,956	47,397	66,074	89,119	115,648	143,811	173,087	7.54	6.87	6.17	5.35	4.46	3.78	5.68
		Other Area	7,623	11,322	16,265	22,655	30,421	39,437	48,866	8.23	7.54	6.85	6.04	5.17	4.54	6.39
		Total	40,579	58,719	82,339	111,774	146,069	182,948	221,953	7.67	7.00	6.30	5.49	4.61	3.94	5.83
IV	Southern Tagalog	Pasig-Laguna Bay	125,965	178,207	244,315	324,048	413,590	505,370	598,066	7.19	6.51	5.81	5.00	4.11	3.41	5.33
		Amnay-Patrick	232	349	510	721	977	1,267	1,591	8.52	7.90	7.15	6.27	5.34	4.65	6.63
		Sub-total	126,197	178,556	244,825	324,769	414,567	507,037	599,657	7.19	6.52	5.81	5.00	4.11	3.41	5.33
		Other Area	28,096	42,283	61,833	87,335	118,398	153,548	192,222	8.52	7.90	7.15	6.27	5.34	4.65	6.63
		Total	154,293	220,839	306,658	412,104	532,965	660,585	792,379	7.44	6.79	6.09	5.28	4.39	3.71	5.61
V	Bicol	Bicol	1,340	1,938	2,693	3,614	4,661	5,751	6,855	7.66	6.80	6.06	5.22	4.29	3.57	5.59
		Other Area	3,741	5,412	7,519	10,092	13,015	16,059	19,141	7.66	6.80	6.06	5.22	4.29	3.57	5.59
		Total	5,081	7,350	10,212	13,706	17,675	21,810	25,996	7.66	6.80	6.06	5.22	4.29	3.57	5.59
VI	Western Visaya	Panay	1,127	1,560	2,119	2,780	3,506	4,232	4,929	6.72	6.31	5.58	4.75	3.83	3.10	5.04
		Big-ihalangan	1,658	2,302	3,135	4,126	5,221	6,322	7,393	6.79	6.37	5.65	4.82	3.90	3.18	5.11
		Jalaur	1,445	2,000	2,716	3,564	4,495	5,425	6,319	6.72	6.31	5.58	4.75	3.83	3.10	5.04
		Sub-total	4,230	5,863	7,970	10,470	13,222	15,979	18,640	6.75	6.33	5.61	4.78	3.86	3.13	5.07
		Other Area	10,455	14,616	20,009	26,483	33,710	41,084	48,377	6.93	6.48	5.77	4.94	4.04	3.32	5.24
Total	14,685	20,479	27,979	36,953	46,931	57,063	67,017	6.88	6.44	5.72	4.90	3.99	3.27	5.19		
VII	Central Visayas	14,962	22,650	31,726	42,868	55,201	69,962	87,163	8.93	8.00	7.25	6.38	5.44	4.75	6.78	
VIII	Eastern Visayas	6,741	11,703	18,943	29,595	44,290	63,381	88,111	11.66	10.11	9.33	8.40	7.43	6.81	8.95	
IX	Southeastern Mindanao	4,954	7,403	10,513	15,357	21,096	27,966	36,288	8.37	7.87	7.27	6.56	5.80	5.35	6.86	
X	Northern Mindanao	Agusan	1,734	2,662	3,937	5,611	7,735	10,175	12,973	8.96	8.14	7.42	6.55	5.64	4.98	6.94
		Tagulayan	957	1,493	2,242	3,250	4,520	6,012	7,743	9.30	8.46	7.71	6.82	5.87	5.20	7.22
		Cagayan De Oro	858	1,286	1,881	2,616	3,581	4,811	6,230	9.30	8.46	7.71	6.82	5.87	5.20	7.22
		Sub-total	3,549	5,441	8,060	11,477	15,836	21,408	27,946	9.14	8.31	7.57	6.70	5.76	5.10	7.09
		Other Area	6,224	9,711	14,578	21,134	29,391	39,099	50,387	9.30	8.46	7.71	6.82	5.87	5.20	7.22
Total	9,803	15,252	22,838	33,031	45,841	60,666	78,300	9.24	8.41	7.66	6.77	5.83	5.17	7.17		
XI	Southeastern Mindanao	Taguig-Libuganon	696	985	1,338	1,755	2,215	2,873	3,615	7.19	6.31	5.59	4.76	3.84	3.10	5.12
		Buayan-Malungon	655	927	1,259	1,653	2,085	2,717	3,432	7.19	6.31	5.59	4.76	3.84	3.10	5.12
		Davao	2,372	3,357	4,560	5,984	7,550	9,814	12,618	7.19	6.31	5.59	4.76	3.84	3.10	5.12
		Sub-total	3,723	5,269	7,157	9,392	11,849	15,401	19,865	7.19	6.31	5.59	4.76	3.84	3.10	5.12
		Other Area	10,523	15,203	20,931	28,040	36,404	46,695	58,130	7.64	6.60	6.02	5.36	4.65	4.22	5.74
Total	14,247	20,472	28,087	37,432	48,253	62,096	78,300	7.52	6.53	5.91	5.21	4.45	3.96	5.59		
XII	Southern Mindanao	Mindanao	6,921	10,151	13,994	18,728	24,322	30,572	37,673	8.04	6.55	6.00	5.37	4.68	4.27	5.81
		Agas	2,043	2,958	4,041	5,314	6,799	8,445	10,325	7.97	6.45	5.63	5.05	4.43	4.10	5.55
		Sub-total	8,965	13,109	18,035	24,043	31,121	39,017	47,998	8.03	6.46	5.92	5.30	4.63	4.23	5.75
		Other Area	1,059	1,498	2,035	2,671	3,359	4,067	4,739	7.19	6.31	5.59	4.76	3.84	3.10	5.12
		Total	10,023	14,607	20,070	26,713	34,480	43,085	52,737	7.94	6.45	5.89	5.24	4.55	4.13	5.69
<b>Grand Total</b>			<b>285,222</b>	<b>414,477</b>	<b>582,606</b>	<b>793,873</b>	<b>1,042,746</b>	<b>1,315,364</b>	<b>1,610,999</b>	<b>7.76</b>	<b>7.05</b>	<b>6.38</b>	<b>5.61</b>	<b>4.75</b>	<b>4.14</b>	<b>5.94</b>

**Table A-63 THE RESULT OF PROJECTION FOR GVA IN SERVICE SECTOR BY WATER RESOURCE REGION AND RIVER BASIN (LOWER GROWTH) (AT CONSTANT 1985 PRICES)**

No.	Water Resources	River Basin	1995	2000	2005	2010	2015	2020	2025	(Unit: Mill. Pesos)							
										Annual Average Growth Rate(%)							
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-	
		Region								2000	2005	2010	2015	2020	2025	2025	
I	Ilocos	Abra	1,117	1,529	2,161	2,817	3,689	4,772	6,077	6.48	6.56	6.04	5.54	5.28	4.96	5.81	
		Laoag	607	782	974	1,179	1,387	1,607	1,812	5.19	4.49	3.89	3.31	2.98	2.41	3.74	
		Sub-total	1,724	2,311	3,075	3,996	5,076	6,378	7,890	6.03	5.88	5.38	4.90	4.67	4.34	5.20	
		Other Area	4,352	5,738	7,438	9,406	11,619	14,193	17,032	5.68	5.33	4.94	4.32	4.08	3.71	4.65	
		Total	6,077	8,049	10,513	13,402	16,695	20,571	24,922	5.78	5.49	4.99	4.49	4.26	3.91	4.92	
II	Cagayan Valley	Cagayan	4,921	6,451	8,200	10,145	12,231	14,550	16,931	5.57	4.91	4.35	3.81	3.53	3.08	4.21	
		Abulog	561	755	1,006	1,269	1,663	2,091	2,556	6.14	5.91	5.40	4.91	4.68	4.34	5.23	
		Sub-total	5,481	7,207	9,206	11,454	13,895	16,641	19,517	5.63	5.02	4.47	3.94	3.67	3.24	4.32	
		Other Area	1,312	1,759	2,356	3,080	3,935	4,971	6,182	6.04	6.02	5.51	5.02	4.79	4.45	5.30	
		Total	6,793	8,965	11,561	14,534	17,830	21,612	25,699	5.71	5.22	4.68	4.17	3.92	3.52	4.53	
III	Central Luzon	Panganga	18,879	24,812	31,626	39,164	47,158	55,890	64,594	5.62	4.97	4.37	3.78	3.46	2.94	4.19	
		Agno	5,833	7,689	9,924	12,481	15,312	18,554	22,043	5.68	5.24	4.69	4.17	3.91	3.51	4.53	
		Sub-total	24,712	32,500	41,549	51,646	62,470	74,444	86,636	5.63	5.04	4.45	3.88	3.57	3.08	4.27	
		Other Area	8,670	11,351	14,405	17,765	21,307	25,158	28,967	5.54	4.89	4.29	3.70	3.38	2.86	4.10	
		Total	33,382	43,851	55,955	69,411	83,777	99,603	115,604	5.61	5.00	4.40	3.83	3.52	3.02	4.21	
IV	Southern Tagalog	Pasig-Laguna Bay	155,663	208,602	270,608	341,067	417,934	504,208	593,815	6.00	5.34	4.74	4.15	3.82	3.33	4.56	
		Amnay-Patrick	619	839	1,104	1,412	1,755	2,148	2,570	6.28	5.65	5.04	4.45	4.12	3.64	4.86	
		Sub-total	156,281	209,441	271,713	342,479	419,740	506,357	596,385	6.00	5.34	4.74	4.15	3.82	3.33	4.56	
		Other Area	22,269	30,198	39,747	50,829	63,201	77,349	92,508	6.28	5.65	5.04	4.45	4.12	3.64	4.86	
		Total	178,550	239,639	311,460	393,308	482,940	583,705	688,893	6.04	5.38	4.78	4.19	3.86	3.37	4.60	
V	Bicol	Bicol	2,945	3,737	4,663	5,654	6,666	7,776	8,742	4.88	4.53	3.93	3.35	3.02	2.47	3.69	
		Other Area	6,502	8,632	10,773	13,063	15,404	17,872	20,195	4.68	4.53	3.93	3.35	3.02	2.47	3.69	
		Total	9,447	12,369	15,437	18,718	22,067	25,668	28,937	4.88	4.53	3.93	3.35	3.02	2.47	3.69	
VI	Western Visaya	Panay	1,874	2,464	3,144	3,899	4,700	5,577	6,454	5.62	5.00	4.39	3.81	3.48	2.96	4.21	
		Ilog Hilabangan	3,274	4,313	5,518	6,859	8,290	9,865	11,451	5.67	5.05	4.45	3.85	3.54	3.03	4.26	
		Jabur	2,842	3,735	4,767	5,910	7,125	8,454	9,783	5.62	5.00	4.39	3.81	3.48	2.96	4.21	
		Sub-total	7,990	10,512	13,429	16,667	20,115	23,896	27,688	5.64	5.02	4.42	3.83	3.50	2.99	4.23	
		Other Area	20,213	26,756	34,390	42,958	52,192	62,433	72,901	5.77	5.15	4.55	3.97	3.65	3.15	4.37	
		Total	28,203	37,268	47,819	59,625	72,307	86,329	100,588	5.73	5.11	4.51	3.93	3.61	3.10	4.33	
VII	Central Visayas		26,160	36,128	48,197	62,987	79,706	99,279	120,581	6.67	6.02	5.41	4.82	4.49	4.03	5.24	
VIII	Eastern Visayas		6,558	8,462	10,638	12,994	15,433	18,041	20,547	5.21	4.68	4.08	3.50	3.17	2.64	3.88	
IX	Southwestern Mindanao		9,443	12,287	15,557	19,153	22,947	27,056	31,200	5.41	4.83	4.25	3.68	3.37	2.87	4.06	
X	Northern Mindanao	Agusan	2,675	3,541	4,619	5,857	7,244	8,741	10,357	6.09	5.46	4.85	4.26	3.93	3.44	4.67	
		Tagoloan	1,207	1,621	2,112	2,674	3,291	3,987	4,718	6.08	5.44	4.83	4.24	3.91	3.42	4.65	
		Cagayan De Oro	1,265	1,619	2,109	2,670	3,287	3,982	4,712	6.08	5.44	4.83	4.24	3.91	3.42	4.65	
		Sub-total	5,046	6,781	8,840	11,106	13,758	16,714	19,755	6.09	5.45	4.84	4.25	3.92	3.43	4.66	
		Other Area	7,618	10,232	13,333	16,879	20,777	25,173	29,785	6.08	5.44	4.83	4.24	3.91	3.42	4.65	
		Total	12,664	17,013	22,173	28,075	34,566	41,847	49,571	6.08	5.44	4.83	4.25	3.92	3.43	4.65	
XI	Southeastern Mindanao	Tagun-Ebaganon	1,413	1,904	2,491	3,166	3,913	4,761	5,657	6.14	5.52	4.92	4.33	4.00	3.51	4.73	
		Buayan-Matungon	997	1,344	1,733	2,235	2,762	3,361	3,994	6.14	5.52	4.92	4.33	4.00	3.51	4.73	
		Davao	3,014	4,061	5,313	6,754	8,348	10,155	12,068	6.14	5.52	4.92	4.33	4.00	3.51	4.73	
		Sub-total	5,425	7,308	9,562	12,155	15,023	18,277	21,719	6.14	5.52	4.92	4.33	4.00	3.51	4.73	
		Other Area	12,250	16,420	21,365	27,031	33,283	40,297	47,718	6.03	5.41	4.81	4.24	3.92	3.44	4.64	
		Total	17,675	23,729	30,927	39,178	48,276	58,574	69,437	6.07	5.44	4.84	4.26	3.94	3.46	4.67	
XII	Southern Mindanao	Mindanao	7,019	9,181	11,605	14,275	17,099	20,190	23,280	5.52	4.80	4.23	3.68	3.38	2.89	4.08	
		Agus	1,152	1,479	1,827	2,196	2,572	2,959	3,345	5.11	4.32	3.75	3.21	2.92	2.41	3.62	
		Sub-total	8,172	10,660	13,432	16,471	19,670	23,159	26,625	5.46	4.73	4.16	3.61	3.32	2.83	4.02	
		Other Area	1,612	2,172	2,841	3,612	4,464	5,431	6,454	6.14	5.52	4.92	4.33	4.00	3.51	4.73	
		Total	9,784	12,831	16,274	20,083	24,134	28,590	33,079	5.57	4.87	4.30	3.74	3.45	2.96	4.14	
		Grand Total	345,235	460,591	596,709	751,468	920,678	1,110,885	1,309,459	5.94	5.31	4.72	4.15	3.83	3.34	4.54	

**Table A-61 THE RESULT OF PROJECTION FOR GVA IN ALL SECTORS BY WATER RESOURCE REGION AND RIVER BASIN (LOWER GROWTH) (AT CONSTANT 1985 PRICES)**

No.	Water Resources	River Basin	1995	2000	2005	2010	2015	2020	2025	(Unit Mill. Pesos)							
										Annual Average Growth Rate(%)							
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	1995-2025	
Region											2000	2005	2010	2015	2020	2025	2025
I	Ilocos	Abra	3,620	4,809	6,173	7,741	9,558	11,590	13,804	5.84	5.12	4.64	4.30	3.93	3.56	4.56	
		Ilocos	2,164	2,952	3,663	4,456	5,292	6,450	7,590	6.40	4.41	4.00	3.89	3.65	3.31	4.27	
		Sub-total	5,784	7,761	9,836	12,200	14,850	18,040	21,394	6.05	4.85	4.40	4.15	3.83	3.47	4.46	
		Other Area	13,250	18,064	23,188	29,108	35,919	43,467	51,584	6.39	5.12	4.65	4.29	3.89	3.48	4.63	
		Total	19,034	25,825	33,024	41,308	50,869	61,507	72,978	6.29	5.04	4.58	4.25	3.87	3.48	4.58	
II	Cagayan Valley	Cagayan	15,464	21,754	28,233	36,033	45,708	57,339	70,967	7.06	5.37	4.99	4.87	4.64	4.36	5.24	
		Abulug	1,722	2,313	2,935	3,777	4,737	5,868	7,169	6.08	5.23	4.82	4.63	4.38	4.08	4.87	
		Sub-total	17,187	24,067	31,238	39,810	50,444	63,208	78,135	6.97	5.35	4.97	4.85	4.61	4.33	5.19	
		Other Area	4,194	5,691	7,368	9,353	11,759	14,594	17,854	6.29	5.30	4.89	4.69	4.41	4.11	4.95	
		Total	21,381	29,758	38,606	49,163	62,204	77,802	95,989	6.84	5.34	4.95	4.82	4.58	4.29	5.13	
III	Central Luzon	Pampanga	54,161	72,388	95,319	122,138	152,032	188,530	235,114	5.97	5.66	5.08	4.43	3.84	3.23	4.70	
		Agno	17,419	23,366	30,349	38,550	47,984	58,402	69,568	6.05	5.37	4.90	4.48	4.01	3.56	4.72	
		Sub-total	71,581	95,753	125,668	160,688	200,017	241,932	284,681	5.99	5.59	5.04	4.48	3.88	3.31	4.71	
		Other Area	26,673	34,621	44,325	55,446	68,371	82,252	96,940	5.35	5.07	4.62	4.24	3.76	3.32	4.40	
		Total	98,254	130,375	169,993	216,234	268,388	324,284	381,621	5.82	5.45	4.93	4.42	3.86	3.31	4.63	
IV	Southern Tagalog	Pasig-Taguna Bay	284,459	389,722	518,236	668,769	835,555	1,014,305	1,196,432	6.50	5.87	5.23	4.55	3.95	3.36	4.90	
		Annay-Patrick	2,860	3,413	4,145	4,925	5,798	6,725	7,641	3.60	3.96	3.51	3.32	3.01	2.59	3.33	
		Sub-total	287,318	393,135	522,381	673,693	841,353	1,021,030	1,204,073	6.47	5.85	5.22	4.55	3.95	3.35	4.89	
		Other Area	76,092	100,969	132,984	173,913	220,848	273,266	329,797	5.82	5.82	5.36	4.89	4.35	3.83	5.01	
		Total	363,410	494,103	655,364	847,607	1,062,201	1,294,296	1,533,870	6.34	5.84	5.25	4.62	4.03	3.45	4.92	
V	Bicol	Bicol	6,395	7,944	9,846	11,919	14,122	16,372	18,487	4.43	4.39	3.89	3.45	3.00	2.46	3.60	
		Other Area	17,125	21,119	26,055	31,418	37,129	43,927	48,348	4.28	4.29	3.84	3.40	2.94	2.41	3.52	
		Total	23,520	29,063	35,901	43,336	51,251	59,299	66,835	4.32	4.32	3.84	3.41	2.96	2.42	3.54	
VI	Western Visaya	Panay	5,478	6,711	8,300	10,009	11,839	13,701	15,444	4.14	4.34	3.82	3.41	2.96	2.42	3.51	
		Big-Habangon	7,079	8,943	11,279	13,860	16,641	19,534	22,329	4.79	4.75	4.21	3.72	3.26	2.71	3.90	
		Ialaur	5,828	7,407	9,373	11,547	13,880	16,301	18,629	4.91	4.82	4.26	3.75	3.27	2.71	3.95	
		Sub-total	18,385	23,060	28,952	35,416	42,369	49,536	56,402	4.64	4.66	4.11	3.65	3.18	2.63	3.51	
		Other Area	45,214	57,110	72,105	88,768	106,872	125,870	144,475	4.78	4.71	4.25	3.78	3.33	2.80	3.95	
		Total	63,599	80,171	101,058	124,184	149,232	175,407	200,877	4.74	4.74	4.21	3.74	3.28	2.75	3.91	
VII	Central Visayas		47,307	65,612	89,100	118,082	152,303	191,621	235,270	6.76	6.31	5.79	5.22	4.70	4.19	5.49	
VIII	Eastern Visayas		19,373	26,500	37,408	51,971	71,023	94,936	124,561	6.47	7.14	6.80	6.45	5.98	5.58	6.40	
IX	Southern Mindanao		27,508	33,946	41,409	49,929	59,673	70,545	82,392	4.30	4.65	3.81	3.63	3.40	3.15	3.72	
X	Northern Mindanao	Agusan	10,922	13,585	16,823	20,469	24,653	29,220	33,971	4.46	4.37	4.00	3.79	3.46	3.06	3.85	
		Tagoloan	3,562	4,714	6,163	7,908	9,975	12,319	14,885	5.76	5.51	5.11	4.75	4.31	3.86	4.88	
		Cagayan De Oro	3,408	4,508	5,890	7,551	9,515	11,741	14,177	5.76	5.49	5.09	4.73	4.29	3.84	4.87	
		Sub-total	17,892	22,807	28,876	35,927	44,143	53,280	63,033	4.97	4.83	4.47	4.20	3.83	3.42	4.29	
		Other Area	17,567	24,204	32,729	43,297	55,921	70,447	86,615	6.62	6.22	5.76	5.25	4.72	4.22	5.46	
		Total	35,459	47,012	61,605	79,225	100,074	123,727	149,648	5.80	5.56	5.16	4.78	4.33	3.88	4.92	
XI	Southeastern Mindanao	Taguig-Eubaganon	4,602	5,465	6,555	7,720	9,062	10,232	11,439	3.50	3.70	3.33	3.03	2.69	2.35	3.08	
		Buayan-Malungun	2,745	3,400	4,212	5,114	6,089	7,103	8,094	4.37	4.38	3.96	3.55	3.13	2.65	3.67	
		Davao	6,803	8,883	11,423	14,329	17,508	20,859	24,203	5.48	5.16	4.64	4.09	3.56	3.02	4.32	
		Sub-total	14,150	17,747	22,190	27,163	32,559	38,194	43,736	4.63	4.57	4.13	3.69	3.24	2.75	3.83	
		Other Area	36,311	46,194	57,928	71,354	86,464	102,065	120,540	4.92	4.63	4.26	3.92	3.55	3.20	4.08	
		Total	50,461	63,941	80,118	98,517	119,023	140,259	164,276	4.84	4.64	4.22	3.85	3.47	3.08	4.01	
XII	Southern Mindanao	Mindanao	25,721	32,453	39,718	47,819	56,844	66,516	76,622	4.76	4.12	3.78	3.52	3.19	2.87	3.71	
		Agus	3,975	5,397	6,878	8,589	10,517	12,615	14,898	6.31	4.97	4.54	4.13	3.70	3.38	4.50	
		Sub-total	29,695	37,850	46,596	56,408	67,361	79,131	91,521	4.97	4.25	3.90	3.61	3.27	2.95	3.82	
		Other Area	4,435	5,494	6,807	8,264	9,940	11,429	13,081	4.37	4.38	3.96	3.55	3.13	2.65	3.87	
		Total	34,130	43,344	53,403	64,672	77,201	90,610	104,602	4.90	4.26	3.90	3.61	3.25	2.94	3.80	
Grand Total			801,455	1,069,649	1,397,958	1,784,227	2,223,471	2,705,192	3,212,519	5.89	5.50	5.00	4.50	4.00	3.50	4.73	

Table A-65 THE RESULT OF PROJECTION FOR GVA PER CAPITA IN ALL SECTORS BY WATER RESOURCE REGION AND RIVER BASIN (LOWER GROWTH) (AT CONSTANT 1985 PRICES)

No.	Water Resources	River Basin	(Unit: Pcs Per Capita)																	
			1995	2000	2005	2010	2015	2020	2025	Annual Average Growth Rate(%)										
										1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025					
		Region																		
I	Ilocos	Abra	8,223	10,831	12,969	15,335	18,068	21,149	24,476	4.42	3.67	3.41	3.33	3.20	2.96	3.50				
		Ilocos	8,834	11,097	12,852	14,705	17,009	19,604	22,333	4.67	2.93	2.73	2.95	2.88	2.63	3.14				
		Sub-total	6,764	10,931	12,925	15,099	17,671	20,570	23,665	4.52	3.41	3.16	3.20	3.08	2.84	3.37				
		Other Area	9,020	11,227	13,250	15,450	17,888	20,542	23,299	4.43	3.37	3.12	2.97	2.81	2.55	3.21				
		Total	8,940	11,136	13,152	15,345	17,824	20,550	23,405	4.49	3.38	3.13	3.04	2.83	2.61	3.26				
II	Cagayan Valley	Cagayan	6,718	8,481	10,012	11,712	13,982	16,668	19,823	4.77	3.37	3.29	3.50	3.58	3.53	3.67				
		Abulug	8,201	10,280	12,133	14,360	16,977	20,167	23,738	4.62	3.45	3.34	3.41	3.50	3.31	3.61				
		Sub-total	6,842	8,626	10,135	11,976	14,213	16,941	20,128	4.74	3.38	3.29	3.40	3.57	3.51	3.66				
		Other Area	7,923	9,948	11,808	13,897	16,516	19,642	23,406	4.53	3.49	3.31	3.51	3.51	3.29	2.83				
		Total	7,038	8,854	10,459	12,300	14,602	17,390	19,783	4.69	3.40	3.29	3.40	3.56	2.61	3.51				
III	Central Luzon	Pampanga	11,302	13,715	15,431	19,446	22,664	28,930	29,046	3.95	3.68	3.43	3.11	2.73	2.30	3.20				
		Agno	8,224	9,585	11,864	13,957	16,310	18,858	21,518	3.96	3.51	3.30	3.13	2.95	2.67	3.26				
		Sub-total	10,350	12,569	15,034	17,769	20,727	23,777	26,758	3.94	3.65	3.40	3.13	2.78	2.39	3.24				
		Other Area	10,472	12,663	14,112	16,380	18,913	21,609	24,326	2.87	3.19	3.03	2.92	2.70	2.40	2.85				
		Total	10,390	12,431	14,782	17,391	20,233	23,156	26,096	3.65	3.53	3.30	3.07	2.76	2.39	3.12				
IV	Southern Tagalog	Pasig-Laguna Bay	21,065	26,646	31,880	37,624	43,513	49,377	54,827	4.23	3.65	3.37	2.95	2.56	2.12	3.14				
		Amnay-Patrick	17,331	18,854	20,318	21,694	23,008	24,277	25,300	1.70	1.51	1.32	1.18	1.08	0.83	1.27				
		Sub-total	21,611	26,951	31,736	37,423	43,248	49,043	54,424	4.20	3.63	3.35	2.94	2.55	2.10	3.13				
		Other Area	12,674	14,916	17,878	21,001	24,107	27,256	30,290	3.32	3.71	3.25	2.80	2.49	2.13	2.95				
		Total	18,830	22,901	27,410	32,249	37,120	41,961	46,464	3.99	3.66	3.31	2.85	2.48	2.06	3.06				
V	Bicol	Bicol	5,203	5,694	6,414	7,124	7,850	8,563	9,188	1.82	2.41	2.12	1.56	1.25	1.42	1.91				
		Other Area	5,531	6,284	7,178	8,053	9,010	9,937	10,720	2.58	2.70	2.40	2.20	1.98	1.62	2.25				
		Total	5,438	6,111	6,951	7,791	8,657	9,515	10,281	2.36	2.61	2.32	2.12	1.91	1.56	2.15				
VI	Western Visaya	Panay	9,333	10,485	11,892	13,258	14,670	16,100	17,372	2.36	2.55	2.20	2.05	1.83	1.53	2.09				
		Ilog-Ibabangan	10,518	12,200	14,152	16,172	18,256	20,476	22,509	3.03	3.01	2.71	2.49	2.29	1.91	2.57				
		Jalaur	9,251	10,673	12,431	14,238	16,065	17,914	19,589	2.90	3.10	2.75	2.44	2.20	1.60	2.53				
		Sub-total	9,727	11,156	12,868	14,517	16,412	18,245	19,915	2.78	2.90	2.58	2.34	2.14	1.77	2.42				
		Other Area	10,248	11,883	13,819	15,817	17,905	20,049	22,057	3.01	3.06	2.74	2.51	2.29	1.93	2.59				
		Total	10,092	11,665	13,532	15,455	17,454	19,505	21,411	2.94	3.01	2.60	2.46	2.25	1.88	2.54				
VII	Central Visayas		10,338	13,149	16,247	19,846	23,894	28,397	33,211	4.53	4.32	4.08	3.78	3.51	3.19	3.90				
VIII	Eastern Visayas		5,254	7,078	9,051	11,488	14,500	18,100	22,355	4.23	5.04	4.88	4.77	4.53	4.31	4.63				
IX	Southern Mindanao		6,807	7,640	8,487	9,408	10,408	11,722	13,062	2.34	2.12	2.08	2.22	2.23	2.19	2.20				
X	Northern Mindanao	Agusan	11,237	11,671	12,630	13,502	14,169	14,825	15,337	0.76	1.59	1.34	0.97	0.91	0.68	1.04				
		Tagoloan	10,208	11,640	13,515	15,659	18,070	20,773	23,628	2.66	3.03	2.99	2.91	2.93	2.61	2.84				
		Cagayan De Oro	9,964	11,442	13,295	15,347	17,719	20,314	23,126	2.81	3.05	2.91	2.92	2.77	2.63	2.85				
		Sub-total	10,759	11,619	12,947	14,297	15,604	16,957	18,228	1.55	2.18	2.01	1.77	1.68	1.46	1.77				
		Other Area	11,160	14,265	17,614	21,746	26,634	32,256	38,581	4.94	4.43	4.27	4.14	3.90	3.65	4.22				
		Total	10,954	12,820	15,077	17,590	20,303	23,231	26,240	3.20	3.30	3.13	2.91	2.73	2.47	2.65				
XI	Southeastern Mindanao	Tagun-Libuganon	8,336	7,527	8,436	9,347	9,773	10,181	10,495	-2.02	2.31	2.07	0.90	0.82	0.51	0.77				
		Buayan-Malugan	9,179	10,525	10,911	11,364	12,081	12,752	13,335	2.77	0.72	0.82	1.23	1.09	0.90	1.25				
		Davao	11,650	14,514	16,724	19,105	21,968	24,951	27,948	4.49	2.88	2.70	2.83	2.58	2.29	2.96				
		Sub-total	9,860	10,684	12,020	13,407	14,679	15,927	17,065	1.62	2.38	2.21	1.83	1.65	1.39	1.85				
		Other Area	10,467	11,569	13,412	15,098	17,027	19,149	22,207	2.55	2.48	2.40	2.43	2.38	3.01	2.54				
		Total	10,290	11,515	12,996	14,591	16,313	18,155	20,558	2.28	2.45	2.34	2.26	2.16	2.52	2.33				
XII	Southern Mindanao	Mindanao	8,332	9,175	9,885	10,655	11,587	12,579	13,607	1.55	1.50	1.51	1.69	1.66	1.58	1.65				
		Agus	8,832	11,038	12,606	14,412	16,433	18,552	20,856	4.56	2.79	2.62	2.66	2.45	2.38	2.91				
		Sub-total	8,396	9,401	10,216	11,095	12,146	13,259	14,424	2.29	1.68	1.66	1.83	1.77	1.70	1.82				
		Other Area	9,183	10,545	12,908	14,352	16,073	17,754	19,321	2.80	0.68	0.80	1.24	1.10	0.87	1.25				
		Total	8,490	9,532	10,299	11,127	12,137	13,193	14,276	2.34	1.56	1.56	1.75	1.63	1.59	1.75				
		Grand Total	11,710	14,016	16,601	19,425	22,458	25,641	28,822	3.66	3.44	3.19	2.94	2.69	2.37	3.05				



**Table A-66 NAME AND PURPOSE OF DEVELOPMENT FOR  
THE ON-GOING/PROMISING PROJECTS IN THE PHILIPPINES**

No.	Name of Project	Purpose of Development
1	Tina Gargas Cura Multi-purpose Project (Feasibility Study) by Asiatic Consultants, Inc./DFWH-May 1980	Multi-purpose (flood control protection, irrigation and hydropower generation)
2	Palsiguan-Noeva (Feasibility Report on Hocos Norte Irrigation Project in the Phil. Phase II by JICA) -Dec. 1980	To increase agri. production; to generate hydro-power; to create employment opportunity; to improve the socio-economic conditions.
3	Agbubu Hydroelectric Project (Feasibility Study by COI/ENCO Power Consulting Ltd. in association with ELC Electroconsult S.P.A./NAPOCOR - July 1992)	Hydropower Development
4	Gened Hydroelectric Power Project (Basic Design Report on Apayno-Abilog River Hydroelectric Development Project by New Japan Eng'g Consultants, Inc. w/ NAPOCOR)- Aug. 1979	Hydropower Development
5	Aburan Hydropower Project (Feasibility Study by Lahmeyer International and Nippon Koei Co. with NAPOCOR) - April 1996	Hydropower Development
6	Magat River Project (Feasibility Report by USAID and NIA) - June 1973	Multi-purpose project with irrigation and power generation as its major functions. Municipal water supply, fish and recreation are secondary functions while flood control is an incidental purpose.
7	Matano River Development Project (Feasibility Study by JICA and NIA Vol. 1- Main Report) February 1984	Multi-purpose (agriculture, hydropower and flood control)
8	Balog-Balog Multi-purpose Project- (Feasibility Study-Main Report- ELC, Philtech & NIA) - July 1980	Development of water resources for sustained year-round irrigation and for power generation, flood control, siltation control; water supply for domestic and industrial consumers and environmental conservation.
9	Casacnan Transbasin Project Phased Scheme (Phase I)- (Feasibility Study- Main Report-NAPOCOR and ELC Electroconsult)- October 1994	To divert the water of Casacnan catchment to the existing Pantabangan Reservoir for energy generation and irrigation purposes.
10	Casacnan Transbasin Project Phased Scheme (Phase II) - (Feasibility Study - Main Report by NAPOCOR and ELC Electro Consult) - October 1994	Expansion of Pantabangan and Masiway plants, rehabilitation of the UPRIS and the development of new irrigation areas.
11	Small Scale Technical Assistance: Water Resources Management (Angat Reservoir) by ADB and NWRB.	Development of a water allocation and compensation scheme which would meet the demand of the sectors drawing water from the Angat Reservoir, particularly in the event of drought in the near future years.
12	Bayabas Dam Site (Water Resources Development Project: Pre-Feasibility Study for Additional Water Supply to AMRIS by ELC electroconsult, Asiatic Consultant Inc., World Bank, NIA, NWRB).	Provision of additional water source for the Angat Maasim Rivers Irrigation Systems (AMRIS)
13	Maasim Dam Site (Water Resources Development Project: Pre-Feasibility Study for Additional Water Supply to AMRIS by ELC electroconsult, Asiatic Consultant Inc., World Bank, NIA, NWRB).	Provision of additional water source for the Angat Maasim Rivers Irrigation Systems (AMRIS)
14	Panay River Basin - wide Flood Control Study by JICA and DPWH- November 1985	Ameliorate the flood problems of the Panay River.
15	Mananga II (Cebu Water Supply Project Phase II by Electrowatt Eng'g. Services Ltd. in association with Trans-Asia Consultants Group, Inc. and ADB, LWUA, Metro Cebu Water District) - February 1991	Water source for Metro Cebu Water District (MCWD)
16	Pulangui III Multi-purpose Project (Feasibility Study by Engineering and Development Corporation of the Philippines, and MERALCO Ind. Eng'g. Services Corp. with NAPOCOR)- May 1982	Power, irrigation, flood control, fishery development, water-based recreation, pollution abatement and other related purposes.
17	Bago Hydroelectric Project (Feasibility Study by Shawinigan Eng'g. Company Ltd. and NAPOCOR) - January 1982	Hydro-power development Irrigation- provision of some flow regulation for the downstream NIA diversion at Maax.
18	Umray-Angat Transbasin Study- (Feasibility Study by Sinoatch Eng'g. Consultants, Inc., Wang, Riedel and Assoc., Inc., C. Loti and Associate SPA, DCCD Eng'g. Corp., ADB and MWSS)- February 1992	Water Supply- diversion of water from the Umray basin to Angat Reservoir for augmenting the water supply for Metro Manila.

**Table A-67 CONTENTS OF SOCIAL AND ECONOMIC BENEFIT FOR  
THE ON-GOING/PROMISSING PROJECT IN THE PHILIPPINES (I)**

No.	Positive Benefit	Negative Benefit
1	Increase in agricultural crop production; growth of medium and small scale industries; power, irrigation; flood control and fishery benefits.	Inundation of unproductive and denuded areas as well as secondary growth vegetation consisting primarily of ipil-ipil, cogon and talabib; negative impact on the ecological system notably on the terrestrial and aquatic ecologies.
2	Agricultural benefits; hydropower benefits, contribution to self-sufficiency of staple food; increase in employment opportunity; correction of income inequality; relief in energy; effect to improve transp. network; increase in income during construction period; benefit of inland fishery in the Nueva Era reservoir.	No unfavorable repercussions on the overall environment.
3	Improved navigability of the river downstream from the dam economic benefits- which will be generated by environmental programs that would re-establish the earning capacity of the project beneficiaries. social benefits- improved living conditions of the people.	Resettlement of the local population, inundation as a consequence of water impoundment.
4	Power Benefits	Submersion of the upper reaches of Cered Dam site. Resettlement of affected inhabitants.
5	Improved general economic conditions Improved land use Preservation of the natural habitat for the Aetas Increase in job and business opportunities during construction period of the dam. Reduction in illegal logging/fishing operations.	Inundation of farming areas Reduction in aesthetic value of the region.
6	Offers opportunities for increased crop production, power generation, and other secondary functions; promotion of regional and national economic development.	Will cause some adverse environmental impacts (stream and air pollution). Inundation of land (4,460 has.). Relocation of people that would be submerged by the reservoir.
7	Economic development in the region, increased farm income and stabilization of the standard of living for area residents and hydroower and flood control benefits.	No mention
8	Irrigation benefits- enable to cope with irrigation water requirement of the crops. Hydropower benefits - production of energy.	No unfavorable repercussion on the overall environment.
9	Hydropower benefits- additional energy production in the amount of 733 gwh per year Irrigation benefits- development of additional 33,000 hectares.	Resettlement of some 30 families in the Abaca and Conwap reservoir area.
10	20%-30% increase on household income Irrigation benefits - expansion of new irrigation areas up to a maximum of 76,500 has. Hydropower benefits - total additional energy production in the amount of 1020 gwh per year New job opportunities	Environmental effects
11	Economic benefits Additional water supply for irrigation Improved water allocation	No mention
12	Potential for providing additional water supply to the Angat-Maasin Rivers Irrigation System (AMRIS); will give Dona Remedios Trinidad a good chance for rapid development.	Negative effect on the environmental and social conditions- deforestation Export crops produced within the project area are likely to receive negative effects.

**Table A-68 CONTENTS OF SOCIAL AND ECONOMIC BENEFIT FOR  
THE ON-GOING/PROMISSING PROJECT IN THE PHILIPPINES(2)**

No.	Positive Benefit	Negative Benefit
13	Potential for providing additional water supply to the Angat-Maasim River Irrigation System (AMRIS)	Inundation of several marble quarries operating within the proposed reservoir; inundation of several houses and a spring which is the source of domestic water for the barangay; inundation of several existing roads; loss of properties.
14	Flood control benefits- alleviate damage from floods of flood prone areas which are centers of agricultural production and economic activities. Power benefits - supplement existing power supply by NAPOCOR which is insufficient.	Relocation of housings for the lower reaches of the Maayon river and the middle reaches of the Mambusao river excluding Mambusao town.
15	Provision of employment during construction and operational phase of the project.	There are families living in the area to be inundated by the reservoir and its immediate buffer area that have to be resettled to suitable locations outside the watershed.
16	Direct economic benefits from power, irrigation, flood control and fishery; pollution abatement, dollar earnings; dollar savings; increase in government revenues; enhances wildlife conservation, recreation and tourism; assure groundwater supply for municipal use.	Resettlement and relocation of affected population within reservoir area; relocation of existing facilities; removal of natural vegetative cover of the reservoir and the area for concrete structures.
17	Irrigation benefits Temporary upsurge of economic activity in the area during construction stage; Associated infrastructure will contribute to the economic well-being of the locality; Improve communications.	Minor resettlement (no more than 5 families; existing dependence of adjacent settlements on the river will be disturbed; massive structures will replace agricultural areas and the reservoir will flood river banks.
18	Increase in the water supply withdrawals from the Angat reservoir by some 24 m <sup>3</sup> /s; Provision of drinking water to an additional population of 2.8 million in the MWSS service area; Increase of flow available in the Angat Reservoir for hydro-electric production in the existing plants; Increase agricultural production.	Reduced flow in the Umiray River during project operation which will affect the navigation by motorized bancas; siltation, erosion and river bed changes due to Umiray Diversion; project settlement at Umiray Diversion site may have significant impact for de-forestation, deterioration of landscape, pollution of the river, spreading of water-borne diseases, disturbance to wildlife.

Table A-69 LAND USE, POPULATION AND HOUSEHOLD IN DAM/RESERVOIR AREA OF THE PROPOSED PROJECT FOR THE MASTER PLAN

Name of Project Area (Major City)	Name of Project	Name of Dam/Reservoir Weir	Agriculture %	Grazing with animals %	Woodland %	Land Use in the Area			Others %	Total Area km <sup>2</sup>	Name of Province	Name of Municipality	Name of Barangay	No. of Household	No. of Population	
						Brushwood %	Brushwood with Copse %	Bareland %								
Metro Manila	Kanan-Unikey Transbasin Project	Kanan Weir			95.0	38			2	100.0	Quezon	General Natividad	SANAR San Marcelino	119	618	
										40					46	241
		Masin Dam Project	Masin Weir	72.0	26.0	2.52				100.0	Bulacan	Apog	BINGBAZ	118	530	
										9					14	74
		Bayabas Dam Project	Bayabas Weir	25.5	1.27	74.5	3.58			100.0	Bulacan	Dona Remedios	Bayabas Pulong-Sampaloc	13	58	
										4.8					29	140
		Kalawa Water Conveyance Project	Weir			100.0	3.75			100.0	Rizal	Tanay	Mamuyao Sto. Nino		3	14
										3.75					11	53
		Dohol-Cebu Water Supply Project (Phase II)	Tropo (Dabangan) Weir	85.0	3.0	0.45	1,500		2.0	100.0	Davao	Davao	Talpa Sta. Fe Magalang Sto. Nino		14	67
										0.3	15					64
	Malubog - Mananga Transbasin Project	Malubog		70.0	2.1		28.0	0.84		100.0	Cebu	Tokso City	Tunglay Bagacay Pulangbato Gen. Cimiao Bija Loby	6	30	
										3					22	105
Metro Cebu	Malubog - Mananga Transbasin Project	Mananga II Weir	16.0	0.24			65.0	0.975		100.0	City	Talisay	Resibato Camp IV	11	39	
										1.5					33	164
		Luzuran - Pulanbato Transbasin Project	Pulanbato Weir	2.0	0.009					100.0	Cebu	Pulanbato	Pulanbato	41	206	
										0.44					41	206
		Luzuran - Pulanbato Transbasin Project	Luzuran Weir	N.A.	N.A.	N.A.	N.A.	N.A.	2.50	100.0	Cebu	Compostela Cebu City Bisayan Davao City Cambucho	Tagabe Luzuran Cabasaran	14	70	
															63	310
		Luzuran - Pulanbato Transbasin Project	Luzuran Weir							100.0	Benguet	Irogan	Luzuran		2	9
										0.25					2	9
	Bago City	Luzuran - Pulanbato Transbasin Project	Luzuran Weir	70.0	0.7	5.0	0.05			100.0	Benguet	La Trinidad	Tawari Lubas Ambong Bebet	107	565	
											0.2					10
	Luzuran - Pulanbato Transbasin Project	Luzuran Weir							100.0	Benguet	TOTAL			185	941	
														27	142	
	Luzuran - Pulanbato Transbasin Project	Luzuran Weir												329	1700	

Table A-70  
PRICE ESCALATION FACTOR  
OF CONSTRUCTION  
MATERIALS FOR FOREIGN  
CURRENCY

Year	Index of Unit Value of Manufactured Exports (MUVE) <sup>(*)</sup> (1990=100.0)	Price Escalation Factor in US\$ Equivalent for Foreign Currency Portion (1998=1,000)
1976	45.83	2,394
1977	50.34	2,179
1978	57.94	1,893
1979	65.62	1,672
1980	71.97	1,524
1981	72.26	1,518
1982	71.15	1,542
1983	69.53	1,578
1984	68.05	1,612
1985	68.60	1,599
1986	80.87	1,356
1987	88.84	1,215
1988	95.31	1,151
1989	94.65	1,159
1990	100.00	1,097
1991	102.23	1,073
1992	106.64	1,029
1993	106.33	1,032
1994	110.21	0,995
1995	119.20	0,920
1996	114.20	0,961
1997	109.70	1,000

Note: (\*) is inflation indices for manufactured exports from G-5 countries.

Data source: "Commodity Markets and the Developing Countries", A World Bank Business Quarterly, August, 1997.

Table A-71 PRICE ESCALATION FACTOR OF CONSTRUCTION  
MATERIALS FOR LOCAL CURRENCY PORTION

Year	Weighted Average Price Index (1998=100)						
	Price Escalation Factor in US\$ Equivalent for Local Currency Portion	US\$ to Peso Rate Escalation Factor	Weighted Average Price Escalation Factor in Peso Equivalent for Local Currency Portion	Wholesale Price of Construction Materials	Wholesale Price of Machinery & Transport Equipment	Average Wage of Construction Workers	Total
	(A)(B)	(A)	(B)=1/(B)	(C)	(D)	(E)	[(P)+(C)+(D)+(E)]
1976	1,883	0,269	7,002	0,117	0,015	0,010	0,143
1977	1,737	0,268	6,493	0,127	0,016	0,011	0,154
1978	1,581	0,266	5,940	0,137	0,018	0,014	0,168
1979	1,297	0,267	4,862	0,171	0,020	0,015	0,206
1980	1,159	0,271	4,269	0,198	0,022	0,014	0,214
1981	1,137	0,266	3,981	0,209	0,025	0,018	0,251
1982	1,181	0,309	3,827	0,212	0,028	0,022	0,261
1983	1,358	0,402	3,382	0,234	0,031	0,030	0,296
1984	1,212	0,604	2,009	0,398	0,049	0,051	0,498
1985	1,249	0,673	1,858	0,416	0,063	0,060	0,538
1986	1,482	0,737	2,011	0,391	0,066	0,040	0,497
1987	1,493	0,743	2,008	0,391	0,070	0,036	0,498
1988	1,429	0,762	1,875	0,411	0,076	0,046	0,533
1989	1,296	0,786	1,650	0,474	0,080	0,053	0,606
1990	1,304	0,879	1,484	0,523	0,088	0,064	0,674
1991	1,284	0,993	1,293	0,606	0,095	0,072	0,773
1992	1,146	0,922	1,242	0,628	0,097	0,080	0,805
1993	1,207	0,980	1,232	0,615	0,099	0,078	0,812
1994	1,104	0,955	1,156	0,666	0,099	0,100	0,865
1995	1,066	0,966	1,104	0,666	0,099	0,115	0,906
1996	0,985	0,948	1,039	0,731	0,100	0,132	0,962
1997	1,000	1,000	1,000	0,750	0,100	0,150	1,000

Data source: Annual Report, The Consumer Price Index in The Philippines, 1995, NSO

**Table A-72 CASH FLOW OF PROJECT BENEFIT AND COST FOR KANAN-UMIRAY TRANSBASIN PROJECT**

(Unit : Million US\$)

No. of Year	Project Cost			Project Benefit			Total (Annual Net Benefit)	Total	
	Capital Cost	O&M Cost	Total	1. Hydropower (Alternative Thermal Cost)					
				Capital Cost	Fuel Cost	O&M Cost			
-7	18.40		18.40				0.0		
-6	18.40		18.40				0.0		
-5	73.61		73.61				0.0		
-4	73.61		73.61				0.0		
-3	92.02		92.02				-13.0	-13.02	
-2	55.21		55.21	49.42			-26.0	23.39	
-1	36.81		36.81	49.42			-26.0	23.39	
1		2.91	2.91		7.94	2.58	100.93	5.5	116.96
2		2.91	2.91		7.94	2.58	100.93	5.5	116.96
3		2.91	2.91		7.94	2.58	100.93	5.5	116.96
4		2.91	2.91		7.94	2.58	100.93	5.5	116.96
5		2.91	2.91		7.94	2.58	100.93	5.5	116.96
6		2.91	2.91		7.94	2.58	100.93	5.5	116.96
7		2.91	2.91		7.94	2.58	100.93	5.5	116.96
8		2.91	2.91		7.94	2.58	100.93	5.5	116.96
9		2.91	2.91		7.94	2.58	100.93	5.5	116.96
10		2.91	2.91		7.94	2.58	100.93	5.5	116.96
11		2.91	2.91		7.94	2.58	100.93	5.5	116.96
12		2.91	2.91		7.94	2.58	100.93	5.5	116.96
13		2.91	2.91		7.94	2.58	100.93	5.5	116.96
14		2.91	2.91		7.94	2.58	100.93	5.5	116.96
15		2.91	2.91		7.94	2.58	100.93	5.5	116.96
16		2.91	2.91		7.94	2.58	100.93	5.5	116.96
17		2.91	2.91		7.94	2.58	100.93	5.5	116.96
18		2.91	2.91		7.94	2.58	100.93	5.5	116.96
19		2.91	2.91		7.94	2.58	100.93	5.5	116.96
20		2.91	2.91		7.94	2.58	100.93	5.5	116.96
21		2.91	2.91		7.94	2.58	100.93	5.5	116.96
22		2.91	2.91		7.94	2.58	100.93	5.5	116.96
23		2.91	2.91		7.94	2.58	100.93	5.5	116.96
24	33.13	2.91	36.04	44.48	7.94	2.58	100.93	5.8	161.69
25	33.13	2.91	36.04	44.48	7.94	2.58	100.93	5.8	161.69
26		2.91	2.91		7.94	2.58	100.93	5.5	116.96
27		2.91	2.91		7.94	2.58	100.93	5.5	116.96
28		2.91	2.91		7.94	2.58	100.93	5.5	116.96
29		2.91	2.91		7.94	2.58	100.93	5.5	116.96
30		2.91	2.91		7.94	2.58	100.93	5.5	116.96
31		2.91	2.91		7.94	2.58	100.93	5.5	116.96
32		2.91	2.91		7.94	2.58	100.93	5.5	116.96
33		2.91	2.91		7.94	2.58	100.93	5.5	116.96
34		2.91	2.91		7.94	2.58	100.93	5.5	116.96
35		2.91	2.91		7.94	2.58	100.93	5.5	116.96
36		2.91	2.91		7.94	2.58	100.93	5.5	116.96
37		2.91	2.91		7.94	2.58	100.93	5.5	116.96
38		2.91	2.91		7.94	2.58	100.93	5.5	116.96
39		2.91	2.91		7.94	2.58	100.93	5.5	116.96
40		2.91	2.91		7.94	2.58	100.93	5.5	116.96
41		2.91	2.91		7.94	2.58	100.93	5.5	116.96
42		2.91	2.91		7.94	2.58	100.93	5.5	116.96
43		2.91	2.91		7.94	2.58	100.93	5.5	116.96

IRR= 19.7%

Table A-73 CASH FLOW OF PROJECT BENEFIT AND COST FOR MAASIM AND BAYABAS DAM PROJECT

(Unit : Million US\$)

No. of Year	Project Cost			Project Benefit				Total	
	Capital Cost	O&M Cost	Total	1. Hydropower (Alternative Thermal Cost)			2. Water Supply		3. Irrigation
				Capital Cost	Fuel Cost	O&M Cost			
-7	4.75		4.75					0.00	
-6	4.75		4.75					0.00	
-5	31.65		31.65					0.00	
-4	47.48		47.48					0.00	
-3	31.65		31.65					0.00	
-2	22.16		22.16	4.17				4.17	
-1	15.83		15.83	4.17				4.17	
1		1.25	1.25		0.67	0.22	33.65	0.00	34.53
2		1.25	1.25		0.67	0.22	33.65	0.00	34.53
3		1.25	1.25		0.67	0.22	33.65	0.00	34.53
4		1.25	1.25		0.67	0.22	33.65	0.00	34.53
5		1.25	1.25		0.67	0.22	33.65	0.00	34.53
6		1.25	1.25		0.67	0.22	33.65	0.00	34.53
7		1.25	1.25		0.67	0.22	33.65	0.00	34.53
8		1.25	1.25		0.67	0.22	33.65	0.00	34.53
9		1.25	1.25		0.67	0.22	33.65	0.00	34.53
10		1.25	1.25		0.67	0.22	33.65	0.00	34.53
11		1.25	1.25		0.67	0.22	33.65	0.00	34.53
12		1.25	1.25		0.67	0.22	33.65	0.00	34.53
13		1.25	1.25		0.67	0.22	33.65	0.00	34.53
14		1.25	1.25		0.67	0.22	33.65	0.00	34.53
15		1.25	1.25		0.67	0.22	33.65	0.00	34.53
16		1.25	1.25		0.67	0.22	33.65	0.00	34.53
17		1.25	1.25		0.67	0.22	33.65	0.00	34.53
18		1.25	1.25		0.67	0.22	33.65	0.00	34.53
19		1.25	1.25		0.67	0.22	33.65	0.00	34.53
20		1.25	1.25		0.67	0.22	33.65	0.00	34.53
21		1.25	1.25		0.67	0.22	33.65	0.00	34.53
22		1.25	1.25		0.67	0.22	33.65	0.00	34.53
23		1.25	1.25		0.67	0.22	33.65	0.00	34.53
24	14.24	1.25	15.50	3.76	0.67	0.22	33.65	0.00	38.29
25	14.24	1.25	15.50	3.76	0.67	0.22	33.65	0.00	38.29
26		1.25	1.25		0.67	0.22	33.65	0.00	34.53
27		1.25	1.25		0.67	0.22	33.65	0.00	34.53
28		1.25	1.25		0.67	0.22	33.65	0.00	34.53
29		1.25	1.25		0.67	0.22	33.65	0.00	34.53
30		1.25	1.25		0.67	0.22	33.65	0.00	34.53
31		1.25	1.25		0.67	0.22	33.65	0.00	34.53
32		1.25	1.25		0.67	0.22	33.65	0.00	34.53
33		1.25	1.25		0.67	0.22	33.65	0.00	34.53
34		1.25	1.25		0.67	0.22	33.65	0.00	34.53
35		1.25	1.25		0.67	0.22	33.65	0.00	34.53
36		1.25	1.25		0.67	0.22	33.65	0.00	34.53
37		1.25	1.25		0.67	0.22	33.65	0.00	34.53
38		1.25	1.25		0.67	0.22	33.65	0.00	34.53
39		1.25	1.25		0.67	0.22	33.65	0.00	34.53
40		1.25	1.25		0.67	0.22	33.65	0.00	34.53
41		1.25	1.25		0.67	0.22	33.65	0.00	34.53
42		1.25	1.25		0.67	0.22	33.65	0.00	34.53
43		1.25	1.25		0.67	0.22	33.65	0.00	34.53

IRR= 14.9%

**Table A-74 CASHFLOW OF ECONOMIC BENEFIT AND COST FOR  
KALIWA-COGE0 WATER SUPPLY PROJECT**

(Unit: Million US\$)

No. of Year	Project Cost			Project Benefit			Total
	Capital Cost	O&M Cost	Total	I. Hydropower (Alternative Thermal Cost)			
				Capital Cost	Fuel Cost	O&M Cost	
-7	7.94		7.94				0.00
-6	7.94		7.94				0.00
-5	33.07		33.07				0.00
-4	39.69		39.69				0.00
-3	59.53		59.53				0.00
-2	59.53		59.53	0.00			0.00
-1	56.89		56.89	0.00			0.00
1		2.09	2.09		0.00	0.00	49.01
2		2.09	2.09		0.00	0.00	49.01
3		2.09	2.09		0.00	0.00	49.01
4		2.09	2.09		0.00	0.00	49.01
5		2.09	2.09		0.00	0.00	49.01
6		2.09	2.09		0.00	0.00	49.01
7		2.09	2.09		0.00	0.00	49.01
8		2.09	2.09		0.00	0.00	49.01
9		2.09	2.09		0.00	0.00	49.01
10		2.09	2.09		0.00	0.00	49.01
11		2.09	2.09		0.00	0.00	49.01
12		2.09	2.09		0.00	0.00	49.01
13		2.09	2.09		0.00	0.00	49.01
14		2.09	2.09		0.00	0.00	49.01
15		2.09	2.09		0.00	0.00	49.01
16		2.09	2.09		0.00	0.00	49.01
17		2.09	2.09		0.00	0.00	49.01
18		2.09	2.09		0.00	0.00	49.01
19		2.09	2.09		0.00	0.00	49.01
20		2.09	2.09		0.00	0.00	49.01
21		2.09	2.09		0.00	0.00	49.01
22		2.09	2.09		0.00	0.00	49.01
23		2.09	2.09		0.00	0.00	49.01
24	23.81	2.09	25.91	0.00	0.00	0.00	49.01
25	23.81	2.09	25.91	0.00	0.00	0.00	49.01
26		2.09	2.09		0.00	0.00	49.01
27		2.09	2.09		0.00	0.00	49.01
28		2.09	2.09		0.00	0.00	49.01
29		2.09	2.09		0.00	0.00	49.01
30		2.09	2.09		0.00	0.00	49.01
31		2.09	2.09		0.00	0.00	49.01
32		2.09	2.09		0.00	0.00	49.01
33		2.09	2.09		0.00	0.00	49.01
34		2.09	2.09		0.00	0.00	49.01
35		2.09	2.09		0.00	0.00	49.01
36		2.09	2.09		0.00	0.00	49.01
37		2.09	2.09		0.00	0.00	49.01
38		2.09	2.09		0.00	0.00	49.01
39		2.09	2.09		0.00	0.00	49.01
40		2.09	2.09		0.00	0.00	49.01
41		2.09	2.09		0.00	0.00	49.01
42		2.09	2.09		0.00	0.00	49.01
43		2.09	2.09		0.00	0.00	49.01

IRR= 13.4%



**Table A-75 CASHFLOW OF ECONOMIC BENEFIT AND COST FOR PAMPANGA-NOVALICHES WATER SUPPLY PROJECT**

(Unit : Million US\$)

No. of Year	Project Cost			Project Benefit				Total	
	Capital Cost	O&M Cost	Total	1. Hydropower (Alternative Thermal Cost)			2. Water Supply		3. Irrigation
				Capital Cost	Fuel Cost	O&M Cost			
-7	11.43		11.43					0.00	
-6	11.43		11.43					0.00	
-5	47.63		47.63					0.00	
-4	57.15		57.15					0.00	
-3	85.73		85.73					0.00	
-2	85.73		85.73	0.00				0.00	
-1	81.92		81.92	0.00				0.00	
1		3.01	3.01		0.00	0.00	42.06	0.00	42.06
2		3.01	3.01		0.00	0.00	42.06	0.00	42.06
3		3.01	3.01		0.00	0.00	42.06	0.00	42.06
4		3.01	3.01		0.00	0.00	42.06	0.00	42.06
5		3.01	3.01		0.00	0.00	42.06	0.00	42.06
6		3.01	3.01		0.00	0.00	42.06	0.00	42.06
7		3.01	3.01		0.00	0.00	42.06	0.00	42.06
8		3.01	3.01		0.00	0.00	42.06	0.00	42.06
9		3.01	3.01		0.00	0.00	42.06	0.00	42.06
10		3.01	3.01		0.00	0.00	42.06	0.00	42.06
11		3.01	3.01		0.00	0.00	42.06	0.00	42.06
12		3.01	3.01		0.00	0.00	42.06	0.00	42.06
13		3.01	3.01		0.00	0.00	42.06	0.00	42.06
14		3.01	3.01		0.00	0.00	42.06	0.00	42.06
15		3.01	3.01		0.00	0.00	42.06	0.00	42.06
16		3.01	3.01		0.00	0.00	42.06	0.00	42.06
17		3.01	3.01		0.00	0.00	42.06	0.00	42.06
18		3.01	3.01		0.00	0.00	42.06	0.00	42.06
19		3.01	3.01		0.00	0.00	42.06	0.00	42.06
20		3.01	3.01		0.00	0.00	42.06	0.00	42.06
21		3.01	3.01		0.00	0.00	42.06	0.00	42.06
22		3.01	3.01		0.00	0.00	42.06	0.00	42.06
23		3.01	3.01		0.00	0.00	42.06	0.00	42.06
24	34.29	3.01	37.30	0.00	0.00	0.00	42.06	0.00	42.06
25	34.29	3.01	37.30	0.00	0.00	0.00	42.06	0.00	42.06
26		3.01	3.01		0.00	0.00	42.06	0.00	42.06
27		3.01	3.01		0.00	0.00	42.06	0.00	42.06
28		3.01	3.01		0.00	0.00	42.06	0.00	42.06
29		3.01	3.01		0.00	0.00	42.06	0.00	42.06
30		3.01	3.01		0.00	0.00	42.06	0.00	42.06
31		3.01	3.01		0.00	0.00	42.06	0.00	42.06
32		3.01	3.01		0.00	0.00	42.06	0.00	42.06
33		3.01	3.01		0.00	0.00	42.06	0.00	42.06
34		3.01	3.01		0.00	0.00	42.06	0.00	42.06
35		3.01	3.01		0.00	0.00	42.06	0.00	42.06
36		3.01	3.01		0.00	0.00	42.06	0.00	42.06
37		3.01	3.01		0.00	0.00	42.06	0.00	42.06
38		3.01	3.01		0.00	0.00	42.06	0.00	42.06
39		3.01	3.01		0.00	0.00	42.06	0.00	42.06
40		3.01	3.01		0.00	0.00	42.06	0.00	42.06
41		3.01	3.01		0.00	0.00	42.06	0.00	42.06
42		3.01	3.01		0.00	0.00	42.06	0.00	42.06
43		3.01	3.01		0.00	0.00	42.06	0.00	42.06

IRR= 8.2%

Table A-76 CASH FLOW OF PROJECT BENEFIT AND COST FOR MALUBOG-MANANGA TRANSBASIN PROJECT

(Unit : Million US\$)

No. of Year	Project Cost			Project Benefit				Total	
	Capital Cost	O&M Cost	Total	1. Hydropower (Alternative Thermal Cost)			2. Water Supply		3. Irrigation
				Capital Cost	Fuel Cost	O&M Cost			
-7	6.37		6.37					0.00	
-6	6.37		6.37					0.00	
-5	26.54		26.54					0.00	
-4	31.85		31.85					0.00	
-3	47.78		47.78					0.00	
-2	47.78		47.78	2.69				2.69	
-1	45.65		45.65	2.69				2.69	
1		1.68	1.68		0.68	0.14	35.78	0.00	36.60
2		1.68	1.68		0.68	0.14	35.78	0.00	36.60
3		1.68	1.68		0.68	0.14	35.78	0.00	36.60
4		1.68	1.68		0.68	0.14	35.78	0.00	36.60
5		1.68	1.68		0.68	0.14	35.78	0.00	36.60
6		1.68	1.68		0.68	0.14	35.78	0.00	36.60
7		1.68	1.68		0.68	0.14	35.78	0.00	36.60
8		1.68	1.68		0.68	0.14	35.78	0.00	36.60
9		1.68	1.68		0.68	0.14	35.78	0.00	36.60
10		1.68	1.68		0.68	0.14	35.78	0.00	36.60
11		1.68	1.68		0.68	0.14	35.78	0.00	36.60
12		1.68	1.68		0.68	0.14	35.78	0.00	36.60
13		1.68	1.68		0.68	0.14	35.78	0.00	36.60
14		1.68	1.68		0.68	0.14	35.78	0.00	36.60
15		1.68	1.68		0.68	0.14	35.78	0.00	36.60
16		1.68	1.68		0.68	0.14	35.78	0.00	36.60
17		1.68	1.68		0.68	0.14	35.78	0.00	36.60
18		1.68	1.68		0.68	0.14	35.78	0.00	36.60
19		1.68	1.68		0.68	0.14	35.78	0.00	36.60
20		1.68	1.68		0.68	0.14	35.78	0.00	36.60
21		1.68	1.68		0.68	0.14	35.78	0.00	36.60
22		1.68	1.68		0.68	0.14	35.78	0.00	36.60
23		1.68	1.68		0.68	0.14	35.78	0.00	36.60
24	19.11	1.68	20.79	2.42	0.68	0.14	35.78	0.00	39.02
25	19.11	1.68	20.79	2.42	0.68	0.14	35.78	0.00	39.02
26		1.68	1.68		0.68	0.14	35.78	0.00	36.60
27		1.68	1.68		0.68	0.14	35.78	0.00	36.60
28		1.68	1.68		0.68	0.14	35.78	0.00	36.60
29		1.68	1.68		0.68	0.14	35.78	0.00	36.60
30		1.68	1.68		0.68	0.14	35.78	0.00	36.60
31		1.68	1.68		0.68	0.14	35.78	0.00	36.60
32		1.68	1.68		0.68	0.14	35.78	0.00	36.60
33		1.68	1.68		0.68	0.14	35.78	0.00	36.60
34		1.68	1.68		0.68	0.14	35.78	0.00	36.60
35		1.68	1.68		0.68	0.14	35.78	0.00	36.60
36		1.68	1.68		0.68	0.14	35.78	0.00	36.60
37		1.68	1.68		0.68	0.14	35.78	0.00	36.60
38		1.68	1.68		0.68	0.14	35.78	0.00	36.60
39		1.68	1.68		0.68	0.14	35.78	0.00	36.60
40		1.68	1.68		0.68	0.14	35.78	0.00	36.60
41		1.68	1.68		0.68	0.14	35.78	0.00	36.60
42		1.68	1.68		0.68	0.14	35.78	0.00	36.60
43		1.68	1.68		0.68	0.14	35.78	0.00	36.60

IRR= 12.9%

Table A-77 CASH FLOW OF PROJECT BENEFIT AND COST FOR LUSARAN-PULANBATO TRANSBASIN PROJECT

(Unit : Million US\$)

No. of Year	Project Cost			Project Benefit			Total		
	Capital Cost	O&M Cost	Total	1. Hydropower (Alternative Thermal Cost)					
				Capital Cost	Fuel Cost	O&M Cost			
-7	4.63		4.63				0.00		
-6	4.63		4.63				0.00		
-5	27.80		27.80				0.00		
-4	55.60		55.60				0.00		
-3	46.33		46.33				0.00		
-2	27.80		27.80	3.18			3.18		
-1	18.53		18.53	3.18			3.18		
1		1.47	1.47		0.65	0.17	31.35	0.00	32.17
2		1.47	1.47		0.65	0.17	31.35	0.00	32.17
3		1.47	1.47		0.65	0.17	31.35	0.00	32.17
4		1.47	1.47		0.65	0.17	31.35	0.00	32.17
5		1.47	1.47		0.65	0.17	31.35	0.00	32.17
6		1.47	1.47		0.65	0.17	31.35	0.00	32.17
7		1.47	1.47		0.65	0.17	31.35	0.00	32.17
8		1.47	1.47		0.65	0.17	31.35	0.00	32.17
9		1.47	1.47		0.65	0.17	31.35	0.00	32.17
10		1.47	1.47		0.65	0.17	31.35	0.00	32.17
11		1.47	1.47		0.65	0.17	31.35	0.00	32.17
12		1.47	1.47		0.65	0.17	31.35	0.00	32.17
13		1.47	1.47		0.65	0.17	31.35	0.00	32.17
14		1.47	1.47		0.65	0.17	31.35	0.00	32.17
15		1.47	1.47		0.65	0.17	31.35	0.00	32.17
16		1.47	1.47		0.65	0.17	31.35	0.00	32.17
17		1.47	1.47		0.65	0.17	31.35	0.00	32.17
18		1.47	1.47		0.65	0.17	31.35	0.00	32.17
19		1.47	1.47		0.65	0.17	31.35	0.00	32.17
20		1.47	1.47		0.65	0.17	31.35	0.00	32.17
21		1.47	1.47		0.65	0.17	31.35	0.00	32.17
22		1.47	1.47		0.65	0.17	31.35	0.00	32.17
23		1.47	1.47		0.65	0.17	31.35	0.00	32.17
24	16.68	1.47	18.15	2.87	0.65	0.17	31.35	0.00	35.04
25	16.68	1.47	18.15	2.87	0.65	0.17	31.35	0.00	35.04
26		1.47	1.47		0.65	0.17	31.35	0.00	32.17
27		1.47	1.47		0.65	0.17	31.35	0.00	32.17
28		1.47	1.47		0.65	0.17	31.35	0.00	32.17
29		1.47	1.47		0.65	0.17	31.35	0.00	32.17
30		1.47	1.47		0.65	0.17	31.35	0.00	32.17
31		1.47	1.47		0.65	0.17	31.35	0.00	32.17
32		1.47	1.47		0.65	0.17	31.35	0.00	32.17
33		1.47	1.47		0.65	0.17	31.35	0.00	32.17
34		1.47	1.47		0.65	0.17	31.35	0.00	32.17
35		1.47	1.47		0.65	0.17	31.35	0.00	32.17
36		1.47	1.47		0.65	0.17	31.35	0.00	32.17
37		1.47	1.47		0.65	0.17	31.35	0.00	32.17
38		1.47	1.47		0.65	0.17	31.35	0.00	32.17
39		1.47	1.47		0.65	0.17	31.35	0.00	32.17
40		1.47	1.47		0.65	0.17	31.35	0.00	32.17
41		1.47	1.47		0.65	0.17	31.35	0.00	32.17
42		1.47	1.47		0.65	0.17	31.35	0.00	32.17
43		1.47	1.47		0.65	0.17	31.35	0.00	32.17

IRR= 12.5%

Table A-78 CASH FLOW OF PROJECT BENEFIT AND COST FOR BOHOL-CEBU WATER SUPPLY PROJECT

(Unit: Million US\$)

No. of Year	Project Cost			1. Hydropower (Alternative Thermal Cost)			Project Benefit		
	Capital Cost	O&M Cost	Total	Capital Cost	Fuel Cost	O&M Cost	2. Water Supply	3. Irrigation	Total
-7	5.40		5.40						0.00
-6	5.40		5.40						0.00
-5	22.52		22.52						0.00
-4	27.02		27.02						0.00
-3	40.54		40.54						0.00
-2	40.54		40.54						0.00
-1	38.74		38.74						0.00
1		1.42	1.42				21.27	0.00	21.27
2		1.42	1.42				21.27	0.00	21.27
3	6.90	1.42	8.32				21.27	0.00	21.27
4	6.90	1.42	8.32				21.27	0.00	21.27
5	28.73	1.42	30.15				21.27	0.00	21.27
6	34.48	1.42	35.90				21.27	0.00	21.27
7	51.71	1.42	53.14				21.27	0.00	21.27
8	51.71	1.42	53.14	6.04			21.27	0.00	27.31
9	49.41	1.42	50.84	6.04			63.77	0.00	69.81
10		3.02	3.02		0.97	0.32	63.77	0.00	65.05
11		3.02	3.02		0.97	0.32	63.77	0.00	65.05
12		3.02	3.02		0.97	0.32	63.77	0.00	65.05
13		3.02	3.02		0.97	0.32	63.77	0.00	65.05
14		3.02	3.02		0.97	0.32	63.77	0.00	65.05
15		3.02	3.02		0.97	0.32	63.77	0.00	65.05
16		3.02	3.02		0.97	0.32	63.77	0.00	65.05
17		3.02	3.02		0.97	0.32	63.77	0.00	65.05
18		3.02	3.02		0.97	0.32	63.77	0.00	65.05
19		3.02	3.02		0.97	0.32	63.77	0.00	65.05
20		3.02	3.02		0.97	0.32	63.77	0.00	65.05
21		3.02	3.02		0.97	0.32	63.77	0.00	65.05
22		3.02	3.02		0.97	0.32	63.77	0.00	65.05
23		3.02	3.02		0.97	0.32	63.77	0.00	65.05
24	16.21	3.02	19.24	5.44	0.97	0.32	63.77	0.00	70.49
25	16.21	3.02	19.24	5.44	0.97	0.32	63.77	0.00	70.49
26		3.02	3.02		0.97	0.32	63.77	0.00	65.05
27		3.02	3.02		0.97	0.32	63.77	0.00	65.05
28	34.42	3.02	37.44		0.97	0.32	63.77	0.00	65.05
29	34.42	3.02	37.44		0.97	0.32	63.77	0.00	65.05
30		3.02	3.02		0.97	0.32	63.77	0.00	65.05
31		3.02	3.02		0.97	0.32	63.77	0.00	65.05
32		3.02	3.02		0.97	0.32	63.77	0.00	65.05
33		3.02	3.02		0.97	0.32	63.77	0.00	65.05
34		3.02	3.02		0.97	0.32	63.77	0.00	65.05
35		3.02	3.02		0.97	0.32	63.77	0.00	65.05
36		3.02	3.02		0.97	0.32	63.77	0.00	65.05
37		3.02	3.02		0.97	0.32	63.77	0.00	65.05
38		3.02	3.02		0.97	0.32	63.77	0.00	65.05
39		3.02	3.02		0.97	0.32	63.77	0.00	65.05
40		3.02	3.02		0.97	0.32	63.77	0.00	65.05
41		3.02	3.02		0.97	0.32	63.77	0.00	65.05
42		3.02	3.02		0.97	0.32	63.77	0.00	65.05
43		3.02	3.02		0.97	0.32	63.77	0.00	65.05

IRR = 11.1%

Table A-79 CASH FLOW OF PROJECT BENEFIT AND COST FOR LABOY DAM PROJECT

(Unit : Million US\$)

No. of Year	Project Cost			Project Benefit			Total		
	Capital Cost	O&M Cost	Total	1. Hydropower (Alternative Thermal Cost)					
				Capital Cost	Fuel Cost	O&M Cost			
				2. Water Supply	3. Irrigation				
-7	3.47		3.47				0.00		
-6	3.47		3.47				0.00		
-5	17.36		17.36				0.00		
-4	21.70		21.70				0.00		
-3	30.39		30.39				0.00		
-2	52.09		52.09	0.00			0.00		
-1	45.14		45.14	0.00			0.00		
1		7.99	7.99		0.00	0.00	30.76	0.00	30.76
2		7.99	7.99		0.00	0.00	30.76	0.00	30.76
3		7.99	7.99		0.00	0.00	30.76	0.00	30.76
4		7.99	7.99		0.00	0.00	30.76	0.00	30.76
5		7.99	7.99		0.00	0.00	30.76	0.00	30.76
6		7.99	7.99		0.00	0.00	30.76	0.00	30.76
7		7.99	7.99		0.00	0.00	30.76	0.00	30.76
8		7.99	7.99		0.00	0.00	30.76	0.00	30.76
9		7.99	7.99		0.00	0.00	30.76	0.00	30.76
10		7.99	7.99		0.00	0.00	30.76	0.00	30.76
11		7.99	7.99		0.00	0.00	30.76	0.00	30.76
12		7.99	7.99		0.00	0.00	30.76	0.00	30.76
13		7.99	7.99		0.00	0.00	30.76	0.00	30.76
14		7.99	7.99		0.00	0.00	30.76	0.00	30.76
15		7.99	7.99		0.00	0.00	30.76	0.00	30.76
16		7.99	7.99		0.00	0.00	30.76	0.00	30.76
17		7.99	7.99		0.00	0.00	30.76	0.00	30.76
18		7.99	7.99		0.00	0.00	30.76	0.00	30.76
19		7.99	7.99		0.00	0.00	30.76	0.00	30.76
20		7.99	7.99		0.00	0.00	30.76	0.00	30.76
21		7.99	7.99		0.00	0.00	30.76	0.00	30.76
22		7.99	7.99		0.00	0.00	30.76	0.00	30.76
23		7.99	7.99		0.00	0.00	30.76	0.00	30.76
24	15.63	7.99	23.62	0.00	0.00	0.00	30.76	0.00	30.76
25	15.63	7.99	23.62	0.00	0.00	0.00	30.76	0.00	30.76
26		7.99	7.99		0.00	0.00	30.76	0.00	30.76
27		7.99	7.99		0.00	0.00	30.76	0.00	30.76
28		7.99	7.99		0.00	0.00	30.76	0.00	30.76
29		7.99	7.99		0.00	0.00	30.76	0.00	30.76
30		7.99	7.99		0.00	0.00	30.76	0.00	30.76
31		7.99	7.99		0.00	0.00	30.76	0.00	30.76
32		7.99	7.99		0.00	0.00	30.76	0.00	30.76
33		7.99	7.99		0.00	0.00	30.76	0.00	30.76
34		7.99	7.99		0.00	0.00	30.76	0.00	30.76
35		7.99	7.99		0.00	0.00	30.76	0.00	30.76
36		7.99	7.99		0.00	0.00	30.76	0.00	30.76
37		7.99	7.99		0.00	0.00	30.76	0.00	30.76
38		7.99	7.99		0.00	0.00	30.76	0.00	30.76
39		7.99	7.99		0.00	0.00	30.76	0.00	30.76
40		7.99	7.99		0.00	0.00	30.76	0.00	30.76
41		7.99	7.99		0.00	0.00	30.76	0.00	30.76
42		7.99	7.99		0.00	0.00	30.76	0.00	30.76
43		7.99	7.99		0.00	0.00	30.76	0.00	30.76

IRR= 10.7%

**Table A-80 CASH FLOW OF PROJECT BENEFIT AND COST FOR LABOY WEIR AND PONDS PROJECT**

(Unit : Million US\$)

No. of Year	Project Cost			1. Hydropower (Alternative Thermal Cost)			Project Benefit			Total
	Capital Cost	O&M Cost	Total	Capital Cost	Fuel Cost	O&M Cost	2. Water Supply	3. Irrigation		
-7	0.00		0.00						0.00	
-6	3.23		3.23						0.00	
-5	3.23		3.23						0.00	
-4	19.36		19.36						0.00	
-3	25.81		25.81						0.00	
-2	38.72		38.72	0.00					0.00	
-1	38.72		38.72	0.00					0.00	
1		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
2		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
3		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
4		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
5		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
6		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
7		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
8		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
9		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
10		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
11		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
12		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
13		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
14		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
15		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
16		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
17		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
18		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
19		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
20		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
21		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
22		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
23		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
24	11.62	3.55	15.17	0.00	0.00	0.00	10.23	0.00	10.23	
25	11.62	3.55	15.17	0.00	0.00	0.00	10.23	0.00	10.23	
26		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
27		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
28		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
29		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
30		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
31		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
32		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
33		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
34		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
35		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
36		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
37		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
38		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
39		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
40		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
41		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
42		3.55	3.55		0.00	0.00	10.23	0.00	10.23	
43		3.55	3.55		0.00	0.00	10.23	0.00	10.23	

IRR= 3.6%