#### Table XII5.7.3 Medium Public Investment Program City of Legazpi, 2000-2004

# (1) PRIORITY SUB-SECTOR ACTIVITIES (PSAs)

(Unit: 1,000 Peso)

(Unit: 1,000 Peso)

Conton		Resourc	e Requir	ement			
Sector	2000	2001	2002	2003	2004	Total	(%)
1. Social Development	159,847	116,693	134,479	156,456	180,707	748,182	26.8
1.1 Social Welfare and Community Devt.	5,000	3,810	4,470	4,780	5,540	23,600	
1.2 Health, Nutrition, and Family Plannii	62,847	74,083	90,509	111,476	134,267	473,182	
1.3 Education, Sports and Manpower De	3,100	3,800	4,500	5,200	5,900	22,500	
1.4 Housing	88,900	35,000	35,000	35,000	35,000	228,900	
2. Economic Development	90,776	68,105	72,885	54,665	55,705	342,136	12.3
2.1 Agriculture	13,876	6,005	3,785	3,565	2,605	29,836	
2.2 Commerce and Insdutry	59,400	49,600	60,100	50,100	52,100	271,300	
2.3 Tourism	17,500	12,500	9,000	1,000	1,000	41,000	
3. Infrastructure Facilities and Utilities	1,079,497	110,500	113,174	93,930	67,950	1,465,051	52.5
3.1 Transportation	1,038,195	93,290	91,519	87,150	61,550	1,371,704	
3.2 Water Resources	18,072	900	900	1,050	900	21,822	
3.3 Energy, Power and Electrification	10,500	-	-	-	-	10,500	
3.4 Social Infrastructure	12,730	16,310	20,755	5,730	5,500	61,025	
4. Environmental Protection/Management	68,405	65,673	46,784	29,181	22,801	232,844	8.3
Disaster Mitigaton							
4.1 Non-structural	6,220	6,000	6,320	6,000	6,380	30,920	
4.2 Structural	62,185	59,673	40,464	23,181	16,421	201,924	
5. Development Administration	3,200	-		•	-	3,200	0.1
Total	1,401,725	360,971	367,322	334,232	327,163	2,791,413	100,00

## (2) PUBLIC INVESTMENT LIST (PIL)

Conton		Resourc	e Requir	ement			
Sector	2000	2001	2002	2003	2004	Total	(%)
1. Social Development	103,965	118,672	139,197	167,863	194,560	724,257	39,32
1.1 Social Welfare and Community Devt.	8,685	11,458	12,840	15,555	18,420	66,958	
1.2 Health, Nutrition, and Family Plannii	84,205	95,584	115,977	141,868	166,540	604,174	
1.2 Education, Sports and Manpower De	1,590	1,945	2,170	2,230	2,290	10,225	
1.4 Housing	3,885	3,785	1,960	1,960	860	12,450	
1.5 Human and Ecological Security (HES	5,600	5,900	6,250	6,250	6,450	30,450	
Social Reform Agenda (SRA)							
2. Economic Development	96,568	60,852	68,588	61,788	61,139	348,935	18.94
2.1 Agriculture	3,758	3,142	3,288	3,488	3,694	17,370	
2.2 Commerce and Insdutry	81,675	52,475	59,475	52,475	51,475	297,575	
2.3 Tourism	11,135	5,235	5,825	5,825	5,970	33,990	
3. Infrastructure Facilities and Utilities	144,224	99,967	108,688	78,585	57,410	488,874	26,54
3.1 Transportation	104,851	75,837	101,848	71,475	50,000	404,011	
3.2 Power	9,145	150	125	125	125	9,670	
3.3 Water Resources	2,853	2,400	2,650	2,870	3,120	13,893	
3.5 Social Infrastructure	27,375	21,580	4,065	4,115	4,165	61,300	
4. Environmental Protection/Management	28,036	27,688	24,764	21,751	21,081	123,320	6.70
Disaster Mitigation							
4.1 Non-structural	5,980	4,550	5,320	6,190	7,360	29,400	
4.2 Structural	22,056	23,138	19,444	15,561	13,721	93,920	
5. Development Administration	34,393	30,370	30,820	30,270	30,720	156,573	8,50
Total	407,186	337,549	372,057	360,257	364,910	1,841,959	100.00

Source: Medium Term Public Investment Program (MTPIP), 2000-2004, City of Legazpi

Table XII5.7.4 5-Year Priority Investment Program of the Daraga Municipality, 1999-2003

		M: C	Total Estimated
	0 . ID: : 01	Main Cooperating	Cost*,1999-2003
No.	Sectors and Priority Sub-sectors	Agency	(in 1,000 Pesos)
1 - H	UMAN DEVELOPMENT		
1)	Social Welfare and Community Development &		
ĺ	Education and Manpower Development	MSWDO/DSWD/NGO	2,900
2)	Health and Nutrition	MHO/DOH/ DECS/NGOs	25,600
2 - A	GRI-INDUSTRIAL DEVELOPMENT		
1)	Agricultural Research & Development	LGU/DA/FIDA	1,450
	Crop Production	DA/LGU/PCA	10,750
	Poultry & Livestock Production	LGU/DA	2,250
	Marketing & Investment	DTI/LGU	-
	Irrigaton Project	LGU/NIA/DPWH	510,000
6)	Commerce and Industry	LGU/DTI	110,300
7)	Tourism	DOT	7,000
3 - IN	FRASTRUCTURE AND UTILITIES		
1)	Air Transport	ATO/DOTC	1,500
2)	Roads / Streets / Bridges	DPWH/LGU	1,145,000
3)	Water Supply	LGU/DPWH	15,000
	Irrigation Program	NIA/DA/LGU	80,000
5)	Rural Electrification	ALECO	25,000
6)	Telecommunications	Nat'l Gov. and Private	-
,	Postal Communications	PPC	2,000
8)	School Facilities	DPWH/DECS	36,785
4 - D	 EVELOPMENT ADMINISTRATION		
	Institutional Development/ Human Resource Dev.		
1)	Program	LGU	3,290
5 - D	ISASTER MITIGATION		
_	Non-structural Component	LGU/MSWDO	53,300
6 - E0	CONOMY AND DEVELOPMENT FINANCING		
	Local Investment Promotion	LGU/DTI/BOT	-
	TOTAL	-	2,032,125

Note: \* The costs of some programs are neither determined nor included in the above investment program.

They are to be estimated through more detailed studies.

Source Priority Sub-sector Activities, 1999-2003, Municipal Planning and Development Office, Daraga Municipality

Table XII5.7.5 Masterlist of Programs and Projects by Sector for Albay Province(1/4)

							Indicate if
Project Title/Location	Total Estimated			Annual Cost			Capital or
1 Toject Thic/Location	Cost (P)	2000	2001	2002	2003	2004	Non-Capital
ECONOMIC A	Cost (1)	2000	2001	2002	2003	2001	Tron Cupital
ECONOMIC : <u>Agriculture</u> 1. Technology Generation							
and Dissemination for							
Crops	11,000,000	2,200,000	2,200,000	2,200,000	2,200,000	2,200,000	NC
a. Production Technology							
Researches	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
b. Demo Farms	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
c. Seedbanks/Nurseries	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
d. IEC on Production							
Technologies	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
e. Soll Analysis	1,000,000	200,000	200,000	200,000	200,000	200,000	NC
2. Farm Inputs/Farm Imple-							
ments Assistance	8,720,000	2,430,000	1,930,000	1,930,000	1,430,000	1,000,000	NC
Program	23,480,000	4,460,000	4,060,000	4,060,000	8,900,000	2,000,000	C
Sub Total	32,200,000	6,890,000	5,990,000	5,990,000	10,330,000	3,000,000	
a. Farm Inputs							
Distribution	8,720,000	2,430,000	1,930,000	1,930,000	1,430,000	1,000,000	NC
b. Farm Machineries							
and Equipment	23,480,000	4,460,000	4,060,000	4,060,000	8,900,000	2,000,000	С
3. Credit Assistance							
Program	6,000,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	NC
4. Market Linkage Program	1,000,000	200,000	200,000	200,000	200,000	200,000	NC
5 Timestanta Associasa Mandasi	2 000 000	200.000	1,000,000	1,000,000	500,000	300,000	С
5. Livestock Auction Market	3,000,000	200,000	1,000,000	1,000,000	300,000	300,000	
6. Livestock Disperal	6,692,000	1,973,000	1,823,000	773,000	1,623,000	500,000	NC
Program 7. Integrated Animal Health	6,692,000	1,973,000	1,823,000	773,000	1,023,000	300,000	NC
and Production Services	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
8. Modemization/Improve-	3,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	
ment of Agricultural	7,000,000	2,000,000	1,400,000	1,400,000	1,100,000	1,100,000	С
Facilities	7,000,000	2,000,000	1,400,000	1,100,000	1,100,000	1,100,000	
a. Soils Laboratory	1,300,000	500,000	200,000	200,000	200,000	200,000	С
b. Albay Breeding	1,500,000	2 ,				,	
Stational Center	1,300,000	500,000	200,000	200,000	200,000	200,000	С
c. Albay Dairy Plant	1,300,000	500,000	200,000	200,000	200,000	200,000	С
d. Parapoto Livestock/	-7 7-	,	,	ĺ	Í	,	
Poultry Production							
and Training Center	1,500,000	300,000	300,000	300,000	300,000	300,000	С
e. Food Laboratories	1,600,000	200,000	500,000	500,000	200,000	200,000	С
	, ,	,			,		
9. Product Development							
Assistance Program	1,500,000	300,000	300,000	300,000	300,000	300,000	NC
10. Agri Fairs/Food Festival	1,500,000	300,000	300,000	300,000	300,000	300,000	NC
11. Food Terminal/Ice Plant							
and Cold Storage							
Facilities	50,500,000	500,000	15,000,000	15,000,000	10,000,000	10,000,000	С
12. Inland Fisheries							
Development	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC

Souece:Provincial Project and Decvelopment Office, Albay Province

Table XII5.7.5 Masterlist of Programs and Projects by Sector for Albay Province(2/4)

	Total			***			Indicate if
Project Title/Location	Estimated			Annual Cost			Capital or
	Cost (P)	2000	2001	2002	2003	2004	Non-Capital
ECONOMIC : Agriculture							
13. Marine Fisheries	40.000.000			• • • • • • • • •	• • • • • • • •	2 000 000	NG
Development	10,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	NC
14. Coastal Resources	<b></b>		1 100 000	000 000	222 222	000 000	
Conservation Program	5,500,000	1,400,000	1,400,000	900,000	900,000	900,000	NG
a. Artificial Reef	1,000,000	200,000	200,000	200,000	200,000	200,000	NC NC
b. Mangrove Rehab. c. Marine Reserve/	1,000,000	200,000	200,000	200,000	200,000	200,000	NC
	1 600 000	500,000	500,000	200,000	200,000	200,000	NC
Fish Sanctuary d. Fisheries Regulatory	1,600,000	300,000	300,000	200,000	200,000	200,000	INC.
Project	1,900,000	500,000	500,000	300,000	300,000	300,000	NC
15. Social Capital Formation	1,900,000	300,000	300,000	300,000	300,000	300,000	140
for Agricultural and							
Fishery Communities	1,000,000	200,000	200,000	200,000	200,000	200,000	NC
Total Agriculture	146,892,000	21,363,000	35,013,000	33,463,000	32,853,000	24,200,000	1 110
Total Agriculture	140,692,000	21,303,000	33,013,000	33,403,000	32,833,000	24,200,000	
ECONOMIC: Tourism							
ECONOMIC: <u>Tourism</u> 16. Tourism Promotion	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
	50,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	C
Program	55,000,000		•	11,000,000		11,000,000	
Sub Total	55,000,000	11,000,000	11,000,000	11,000,000	11,000,000	11,000,000	
ECONOMIC : Trade and							
Industry							
17. Product Development							
and Promotion of							
Export Commodities	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
18. Enterprise Development	3,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,0
Program	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
19. Investment Promotion	2,300,000	300,000	300,000	300,000	300,000	300,000	1,0
Program	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
20. Public Employment	2,500,000	000,000	200,000	200,000	200,000	,	
Services	1,000,000	200,000	200,000	200,000	200,000	200,000	NC
Sub Total	11,000,000	2,200,000	2,200,000	2,200,000	2,200,000	2,200,000	1
Sub Total	11,000,000	2,200,000	2,200,000	2,200,000	2,200,000	2,200,000	
ECONOMIC:							
Environment			İ				
21. Community Forestry							
Program	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
22. Reforestation/Watershed							
Rehab. Program	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
23. Wildlife and Forest Parks	10,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	NC
24. Clean and Green							
Program	1,500,000	300,000	300,000	300,000	300,000	300,000	NC
25. Ecological Waste							
Management Program	1,500,000	300,000	300,000	300,000	300,000	300,000	NC
Total Environment	23,000,000	4,600,000	4,600,000	4,600,000	4,600,000	4,600,000	
Total Economic	235,892,000	39,163,000	52,813,000	51,263,000	50,653,000	42,000,000	
SOCIAL: Education							
26. Educational Support							
Program	2,500,000	500,000	500,000	500,000	500,000	500,000	NC
a. Formal Education	1,500,000	300,000	300,000	300,000	300,000	300,000	NC
b. Nonn-Formal							
Education	1,000,000	200,000	200,000	200,000	200,000	200,000	NC

Table XII5.7.5 Masterlist of Programs and Projects by Sector for Albay Province(3/4)

							Indicate if
Project Title/Location	Total Estimated			Annual Cost			Capital or
j	Cost (P)	2000	2001	2002	2003	2004	Non-Capital
SOCIAL: <u>Health</u>							
27. Intergrated Family Plar	  -						
ning, Material and Chil							
Health Care and Pop'n.							
Management Program		25,090,410	27,599,451	30,359,396	33,395,335	36,734,868	NC
28. Disease Prevention and							
Control Program	114,773,974	18,799,689	20,679,657	22,747,622	25,022,384	27,524,622	NC
29. Hospital Facilities	120 501 146	22 005 000	25 105 200	27 702 010	20 474 200	22 521 720	
Modernization Program 30. Medical Surgical	139,781,146	22,895,800	25,185,380	27,703,918	30,474,309	33,521,739	C
Outreach Project	6,105,100	1,000,000	1,100,000	1,210,000	1,331,000	1,464,100	NC
Sub Total	413,839,680	67,785,899	74,564,488	82,020,936	90,223,028	99,245,329	.,,
oud rour	113,037,000	07,703,033	, 1,50 1, 100	02,020,330	70,223,020	33,213,323	
SOCIAL : Social Service	<u>.</u>						
31. Emergency Assistance							
Program	124,405,087	20,999,638	22,937,328	24,880,017	26,822,707	28,765,397	NC
a. Aid to individuals/ Families in Crisis							
Situation	300,000	60,000	60,000	60,000	60,000	60,000	NC
b. Emergency Disaster	300,000	00,000	00,000	00,000	00,000	00,000	140
Relief Program	\						
c. Emergency Shelter	> 121,405,087	20,399,638	22,337,328	24,280,017	26,222,707	28,165,397	NC
Assistance							
d. Food for Work/Cash	}						
for Work	ł						
32. Child and Youth Welfa	1,700,000	700,000	250,000	250,000	250,000	250,000	l c
Program	13,000,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	NC
Total	14,700,000	3,300,000	2,850,000	2,850,000	2,850,000	2,850,000	1
a. Day Care Services	, , , , , , , , , , , , , , , , , , ,	, ,	, ,	, ,	, ,		İ
Project	1,500,000	300,000	300,000	300,000	300,000	300,000	NC
b. Child Minding Cente	900,000	500,000	100,000	100,000	100,000	100,000	С
c. Integrated Human							
Res. Devt. Program foir Youth	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC NC
d. Supllemental Feeding	/ /	300,000	300,000	300,000	300,000	300,000	NC NC
e. Establishment of	1,200,000	500,000	500,000	500,000	300,000	] 550,000	```
Resource Center	800,000	200,000	150,000	150,000	150,000	150,000	С
f. Training on Early	,						
Childhood Care and							
Dev't.	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
22 Dragman for Darcons							
33. Program for Persons   w/ Disabilities & Senior	<u>,</u>						
Citizens	1,050,000	210,000	210,000	210,000	210,000	210,000	l <sub>NC</sub>
a. Physical Restoration	-,,		,				
Service	300,000	60,000	60,000	60,000	60,000	60,000	NC
b. Capability Enhance-							
ment Program for				.,,,,,-			
PWDs and Senior Citizens	750,000	150,000	150,000	150,000	150,000	150,000	NC
Citizens							
							<u> </u>

Table XII5.7.5 Masterlist of Programs and Projects by Sector for Albay Province(4/4)

		-					Indicate if
Project Title/Location	Total Estimated			Annual Cost			Capital or
, and the second	Cost (P)	2000	2001	2002	2003	2004	Non-Capital
SOCIAL: Social Services							
34. Rehabilitation Program							
for Disaster Victims	25,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	С
SOCIAL : Housing							
35. Ressettlement Project	25,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	C
SOCIAL : Peace and Orde	er/						
<u>Diaster Mgt</u>							
36. Disaster Mgt. Program	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	C
	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	NC
Sub Total	10,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	
37. Public Safety and	7,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	C
Security Program	7,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	NC
Sub Total	15,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	ļ <b>1</b>
Total Peace & Order/Disaste	25,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	ļ <b>I</b>
Mitigation							<b> </b>
Total Social	631,494,767	107,795,537	116,061,816	125,460,953	135,605,735	146,570,726	
INFRASTRUCTURE:							
38. Road Opening and							
Upgrading	400,000,000	80,000,000	80,000,000	80,000,000	80,000,000	80,000,000	C [
39. Construction and Repair							
of Bridges	85,000,000	17,000,000	17,000,000	17,000,000	17,000,000	17,000,000	C
40. Electrification Project	86,700,000	11,700,000	11,700,000	8,650,000	4,650,000	50,000,000	C
41. Water Supply System	140,046,000	102,572,000	10,407,000	9,867,000	8,200,000	9,000,000	C
42. Flood Control and							
Erosion Control System	248,470,000	72,240,000	59,140,000	54,040,000	33,050,000	30,000,000	C
43. Irrigation Facilities	339,750,000	134,050,000	58,000,000	61,350,000	46,350,000	40,000,000	C
44. Farm-to-Market Roads	151,260,000	68,450,000	27,150,000	15,460,000	20,200,000	20,000,000	C
45. Multi-Purpose Drying							
Pavements	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	С
Sub Total	1,456,226,000	487,012,000	264,397,000	247,367,000	210,450,000	247,000,000	
Economic Sector:					40.500.000	04 500 000	1
Sub-total for Capital E		23,620,000	36,920,000	36,920,000	40,500,000	26,500,000	
Sub-total for NC Exp.	71,432,000	15,543,000	15,893,000	14,343,000	10,153,000	15,500,000	]
	235,892,000						<b> </b>
Social Sector	205 (01 145	26 705 000	20 105 200	40.702.010	42 474 200	46 501 720	
Sub-total for Capital E		36,795,800	38,185,380	40,703,918	43,474,309	46,521,739	
Sub-total for NC Exp.	425,813,621	70,999,737	77,876,436	84,757,035	92,131,426	100,048,987	
	631,494,767						
Infra Sector:	1 456 006 000	497.012.000	264 207 000	247.267.000	210 450 000	247 000 000	
Sub-total for Capital E	1,456,226,000	487,012,000	264,397,000	247,367,000	210,450,000	247,000,000	<b> </b>
CRAD TOTAL	2 222 612 767	633 070 527	122 271 914	424,090,953	396,708,735	435,570,726	
GRAD TOTAL	2,323,612,767	633,970,537	433,271,816	424,030,333	390,700,733	10,120	<b>∮ I</b>
Total for Carital For	1 926 267 146	547 427 900	220 502 200	224 000 019	204 424 200	320 021 720	
Total for Capital Expense	1,826,367,146	547,427,800	339,502,380	324,990,918	294,424,309	320,021,739	1 I
Total for Non-Capital							
Expense	497,245,621	86,542,737	93,769,436	99,100,035	102,284,426	115,548,987	
Expense	771,243,021	00,542,131	75,757,750	77,100,033	102,204,420	110,010,001	1 I
GRAD TOTAL	2,323,612,767	633,970,537	433,271,816	424,090,953	396,708,735	435,570,726	
OLAD I OLAL	2,020,012,707	000,710,001	.55,2,1,510	,0,0,,,,,,			
		L	<u> </u>	<u> </u>	L	<u> </u>	

**Table XII5.7.6 Growth Rate of Productivity for Agricultural Products** 

		GR	DP	
	T.	(Milli. Pes	sos; 1998	Growth
	Item	Pric	es)	Rate
		1999	2005	
	Rice	820	984	1.20
	Corn	168	235	1.40
	Vegetables	50	67	1.35
	Rootcrops	108	146	1.35
	Banana	82	106	1.30
Albay Province	Coconut	312	436	1.40
	Abaca	567	737	1.30
	Industrials Crops	34	52	1.50
	Other Crops	345	414	1.20
	Livestock	1,312	1,574	1.20
	Poultry	73	87	1.20
	Fishery	40	48	1.20
	Total	3,909	4,885	1.25
	Rice	440	549	1.25
	Corn	113	164	1.45
	Vegetables	35	49	1.40
	Rootcrops	61	85	1.40
	Banana	46	62	1.35
Study Area	Coconut	181	263	1.45
	Abaca	315	425	1.35
	Industrials Crops	25	39	1.56
	Other Crops	103	128	1.25
	Livestock	820	1,021	1.25
	Poultry	56	70	1.25
	Fishery	19	24	1.25
	Total	2,213	2,878	1.30

Source : JICA Study Team

Table XII5.7.7 Technical Coefficient Matrix (1994)

									_		-											
NO	Sub-Sector	-	7	m	4	٧.	9	7	<b>∞</b>	6	10	=	12	13	14	15	16	17	18	19	20	
1	1 Palay	0.02975	0.0000.0	0.00141	0.00000	0.00000	0.00018	0.00000 0	0.00049 0.	0.00000 0.0	0.00044 0.0	0.00000 0.	0.00000	0.04472 0.	0.00000 0.00000		0.00000	0.00000	0.0000.0	0.00000.0	0.00530	0.01102
2	2 Com	0.00000	0.05593	90000'0	0.00000 0.05593 0.00006 0.00000 0.00014	0.00014	0.00024	00000.	0.00000 0.00006 0.00107	00107	0.00604 0.0	0.02137 0.	00000	01509 0	0.00000 0.01509 0.00000 0.00000 0.00000 0.00002	00000	00000	0.00002	0.00000	0.00000	0.00192	0.00398
3	3 Vegetables	0.00000	0.00000 0.00000		0.04307 0.00000 0.000	)61	0.00000	0.00000  0	0.00026 0.	0.00121 0.C	0.01130 0.0	0.00040 0.	0.00000 0.	00429 0	0.00429 0.00000 0.00000	00000	0.00006 0.00344		0.00001	0.0000.0	0.00000	0.00160
4	4 Roots and tubers	0.00000	0.00000	0.00000	0.12659	0.00001	0.00000	0.00000 0	0.00013 0.	0.00177 0.0	0.01791 0.0	0.00059 0.	0.00000	0.00060	0.00000	0.00000	0.00000	0.00014	0.0000.0	0.0000.0	0.00019	0.00037
5	5 Banana	0.00000	0.00000 0.00000	0.00004 0.00001	$\overline{}$	0.02337	0.00001	0.0000.0	0.00026 0.	0.00001 0.0	0.00000.0	0.00000	0.00000	0.00093	0.0000.0	0.00000	0.0000.0	0.00133	0.0000.0	0.0000.0	0.00017	0.00035
9	6 Coconut	0.00000	0.00000	0.00000	0.00000 0.00000 0.00000 0.00000 0.00002		0.00978	0.00000 0.00036		0.00000 0.0	0.00050 0.00000 0.00000	00000	00000	0.01129 0	0.00000 0.00000 0.00000 0.00000	00000	00000		0.00000 0.00000		0.00138	0.00283
7	7 Abaca	0.00000	0.00000	0.00000	0.00000 0.00000 0.00000 0.00000 0.00000		0.00000	).00000 C	.00000 0.	0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00124   0.00000   0.00000   0.00000   0.00000   0.00000   0.00014   0.0030	00000	00000	00000	.00124 0	00000	00000	00000	00000.	.00000] (	000000	00014	00.0
8	8 Industrial Crops	0.00000	0.00000 0.00057		0.00007 0.00000	0.00496	0.00005	0.01747 0	0.01434 0.	0.00178 0.0	0.00000 0.00000 0.00000	00000		02786 0	0.02786 0.00000 0.00000 0.00000 0.00036	00000	00000		0.00001	0.00000 0	0.00337	0.00693
6	9 Other Crops	0.07931	0.05298	0.03555	0.02026	0.07851	0.03788	0.05694 0	0.06340 0.	0.05461 0.0	0.06807 0.0	0.04780 0.	0.00007 0.	0.00632 0	0.00000 0.	0.00000	0.00000	0.00001	0.00000	0.00000 0	0.00201	0.00413
10	10 Livestock	0.00000	0.00000	0.00000 0.00000 0.00000 0.00000	0.00000	0.00000	0.00101	0.00000 0	0.00003 0.	0.00187 0.0	0.03772 0.0	0.00267 0.	0.00000 0.	0.02325 0	0.00000 0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00294	0.00601
11	11 Poultry	0.00000	0.00000	0.0000.0	0.00000 0.00000 0.00000 0.00000 0.00000		0.00000	0.00000 0.00000		0.00016 0.0	0.00032 0.0	0.04256 0.00000		0.01667 0	0.00000 0.00000 0.00065 0.00078	00000	00065 0		0.00000 0.00004		0.00221	0.00451
12	12 Fishery	0.00000	0.00000	0.00000	0.00000 0.00000 0.00000 0.00000 0.00000		0.00000	0.00000 0.00000		0.00000 0.00000 0.00000 0.06807 0.01989 0.00011 0.00052 0.00095 0.00102	00000	00000 0.	06807 0	0 68610	.00011 0	.00052 0	00095		0.00001	0.00069 0	0.00284	0.00641
	Sub-Total of Agricultural Sector	0.10905	0.10947	0.08019 0.14686	0.14686	0.10762	0.04915	0.07441	0.07934 0.	0.06249 0.1	0.14230 0.1	0.11538 0.	0.06814 0.	0.17216 0.00011		0.00052 0	0.00166 0.00720		0.00004 0.00073		0.02326	0.04844
13	13 Mining & Quarrying	0.00000	0.00000	0.00000 0.00000	_	0.00039	0.00000	0.0000.0	0.00001 0.	0.00000 0.0	0.00000.0	0.00000 0.	0.00024 0.	0.04913 0	0.01868 0.	0.00186 0	0.00000 0	0.00001	0.00002	0.00000 0	0.00647	0.01212
14	14 Manufacturing	0.05936	0.06086	0.05936 0.06086 0.06098 0.03994		0.17061	0.05555 (	0.21735 0	0.10791 0.	0.06197 0.1	0.16872 0.2	0.23072 0.	0.13720 0.	0.33850 0	0.28591 0.	0.33614 0	0.31269 0	0.19210	0.02931	0.09796	0.11490	0.23883
15	15 Construction	0.00000	0.00009	0.00000 0.00009 0.00001 0.00001		0.00006	0.00046	0.00000	0.00035 0.	0.00041 0.0	0.00081 0.0	0.00090 0.	0.00450 0.	0.00101 0	0.01047 0.	0.00321 0	0.00251 0	0.00459 (	0.03441	0.00901	0.03876	0.01352
16	Electricity, Gas & Water	0.00002	0.00353	0.00002 0.00353 0.00513 0.00021	_		0.00233	0.01062 0	0.00764 0.	0.00710 0.0	0.00874 0.0	0.01842 0.	0.01047 0.	0.02293 0		0.05156 0	0.01016	0.03830		0.02589 0	0.02508	0.04044
	Sub-Total of Industrial Sector	0.05937	0.06448	0.06613	₩	0.18662	0.05834 (	0.22797 0	0.11591 0.	0.06948 0.1	0.17827 0.2	0.25004 0.	0.15240 0.	0.41157 0	0.31984 0.	0.39277 0	0.32535 0	0.23499 (	0.08032	0.13286 0	0.18520	0.3049
17	17 Transportation & Communication	0.01204	0.01166	0.00669	0.01204 0.01166 0.00669 0.00922 0.02112		0.00806 0.01529		0.01944 0.	0.01573 0.0	0.02159 0.0	0.01771 0.	0.02282 0.	0.02151 0	0.02273 0.	0.00256 0	0.03097	0.01698	0.02954 0.03058		0.04099	0.04681
18	18 Trade & Tourism	0.00863	0.00831	0.00447	0.00863 0.00831 0.00447 0.00708 0.02		(49 0.00540 (	0.04015 0	0.00825 0.	0.00525 0.02435 0.02358 0.01126 0.04882 0.04446 0.04395 0.06988 0.04424	02435 0.0	02358 0.	.01126 0.	.04882 0	04446 0	.04395 0	0 88690		0.01605 0.02111		0.03113	0.04479
19	19 Community, Social & Personal Services	0.00650	0.00017	0.00650 0.00017 0.00034 0.00076	0.00076	0.00152	0.00414	0.00000	0.00785 0.	0.02276 0.0	0.01216 0.0	0.00721 0.	0.00009	0.00334 0	0.00087	0.00150	0.01610 0	0.03975	0.01710 0.05701		0.02125 (	0.06367
70	20 Financing, Insurance, Real Estate & Business Servid 0.01442	id 0.01442	0.00577	0.00210	0.00156	0.02151	0.00828	0.01527 0	0.00757 0.	0.02651 0.0	0.01449 0.0	0.02161 0.	0.01630 0.	0.02052 0	0.07576 0	0.01799 0	0.06785 0	0.03547 (	0.07627	0.06753 1	1.09624 (	0.09184
21	21 Government Services	0.00000	0.00000	0.00000 0.00000	0.00000	0.00000	0.00000]	0.00000 0	0.00000 0.	0.00000.0	0.00000	0.00000.0	0.00000	0.00000	0.00000	0.0000.0	0.0000.0	0.00000	0.0000.0	0.0000.0	0.0000.0	1.00000
	Sub-Total of Service Sector	0.04159		0.02590 0.01360	0.01862	0.06565	0.02589	0.07072 0	0.04310 0.	0.07024 0.0	0.07258 0.0	0.07010 0.	0.05047 0.	0.09420 0	0.14382 0	0.06599 0	0.18481 0	0.13644 (	0.13896 (	0.17623	1.18962	1.24712
III	Total Intermediate Inputs	0.21002	0.19986	0.15992	0.20565	0.35990	0.13338 (	0.37309 0	0.23835 0.	0.20221 0.3	0.39315 0.4	0.43552 0.	0.27101 0.	0.43765 0	0.67794 0	0.46377 0	0.45928 0	0.51183 (	0.39691	0.37863 0	0.21932	0.3098]
CE	Compensation of Employees	0.18346	0.29016	0.34112	0.34881	0.29867	0.36384 (	0.33855 0	0.29657 0.	0.27856 0.2	0.21150 0.	0.19017 0.	0.17266 0.	0.17548 0	0.08541 0	0.16029 0	0.09210 0	0.16307	0.14647 (	0.24425 0	0.11939	0.66175
DEPN	DEPN Depreciation	0.02193	0.01370	0.02150	0.01403	0.07590	0.04961 (	0.04363 0	0.04763 0.	0.06972 0.0	0.06857 0.0	0.07936 0.	0.07829 0.	0.10504 0	0.02792 0	0.05897 0	0.14343 0	0.10821	0.04143	0.05896 0	0.03722	0.02837
IT-S	Indirect Taxes less Subsidies	0.01286	0.01407	0.01046	0.00902	0.06456	0.00979	0.03591	0.02518 0.	0.01170 0.0	0.01939 0.0	0.01982 0.	0.02924 0.	0.02831 0	0.02836 0	0.01744 0	0.02313 0	0.02396	0.04193 (	0.03010 0	0.04745	0.00000
os	Operating Surplus	0.57173	0.48221	0.46700	0.42248	0.20097	0.44338 (	0.20881	0.39227 0.	0.43780 0.3	0.30739 0.3	0.27512 0.	0.44880 0.	0.25352 0	0.18037 0	0.29952 0	0.28206	0.19294 (	0.37326 (	0.28806 0	0.57662	0.00007
TPI	Total Primary Inputs	0.78998		0.84008		0.64010	0.86662	0. <b>62691</b>   C	0.76165 0.	0.79779 0.6	0.60685 0.	0.56448 0.	0.72899 0.	_		0.53623 0			0.60309	0.62137 0	0.78068	0.69019
F	Total Inputs	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000 1	1.00000 1	1.00000 1.	1.00000 1.0	1.00000 1.0	1.00000 1.	1.00000 1.	1.00000 1	1.00000 1	1.00000] 1	1.000001	1.00000 1	1.00000	1.00000 1	1.00000	1.00000
]																						

Source: 1994 Input-Output Accounts of the Philippines, National Statistical Coordination Board in Cooperation with National Statistics Office.

Note: Category of Industrial Sub-Sector is based on Statistics of Albay Province.

Table XII5.7.8 Inverse Coefficient Matrix (1994)

NO.	Sub-Sector		74	e e	4	8	9			9 10		1 12	13	14	15	16	17	18	19	20	21	Forward Linkage
	1 Palay	1.0366 0.0059 0.0071 0.0041 0.	0059 0	0071 0.		0155 0.0	0.0 53 0.0	187 0.0	104 0.0	0155   0.0053   0.0187   0.0104   0.0065   0.0162   0.0207   0.0127   0.0215   0.0771   0.0245   0.0283   0.0269   0.0136   0.0181   0.0053   0.0110	62 0.02	10.0 700	27 0.02	15 0.07	71 0.024	5 0.0283	0.0269	0.0136	0.0181	0.0053	0.0110	0.8320
	2 Com	0.0022  1.0614 0.0021 0.0015 0.	0614 0.	0021 0.	0015 0.	0059 0.0	021 0.0	0.0(890)	037 0.0	0059 0.0021 0.0068 0.0037 0.0035 0.0124 0.0312 0.0046 0.0077 0.0277 0.0088 0.0102 0.0097 0.0054 0.0066 0.0019 0.0040	24 0.03	12 0.00	46 0.00	77 0.02	77 0.008	8 0.0102	0.0097	0.0054	0.0066	0.0019	0.0040	0.7322
	3 Vegetables	0.0009 0.0008 1.0457 0.0005 0.	0008 1.	.0457 0.	0005 0	0027 0.0	0.0 0.0	024 0.00	916 0.0	0027   0.0007   0.0024   0.0016   0.0022   0.0143   0.0030   0.0015   0.0026   0.0036   0.0030   0.0034   0.0035   0.0068   0.0060   0.0008   0.0016	43 0.00	30 0.00	15 0.00	26 0.00	36 0.003	0 0.0034	0.0035	0.0068	0.0060	0.0008	0.0016	0.6679
	4 Roots and tubers	0.0004 0.0003 0.0003 1.1451 0.	0003 0.	.0003 1.	1451 0.	0007 0.0	0.03 0.0	0.07 0.00	0.0 900	0007 0.0003 0.0007 0.0006 0.0024 0.0220 0.0015 0.0004 0.0007 0.0022 0.0008 0.0009 0.0009 0.0018 0.0008 0.0002 0.0004	20 0.00	15 0.00	04 0.00	07 0.00	22 0.000	8 0.0005	0.0009	0.0018	0.0008	0.0002	0.0004	0.7102
	5 Banana	0.0002 0.0001 0.0002 0.0001 1	0001 0.	.0002 0.		0243 0.0	0.0 0.0	0.05 0.00	0.0 500	0243 0.0001 0.0005 0.0005 0.0002 0.0004 0.0005 0.0003 0.0005 0.0017 0.0006 0.0007 0.0007 0.0012 0.0019 0.0002 0.0004	04 0.00	00.00	03 0.00	05 0.00	17 0.000	6 0.0007	7 0.0007	0.0012	0.0019	0.000	0.0004	0.6214
	6 Coconut	0.0015 0.0015 0.0014 0.0010 0.	.0015 0.	0014 0	0010	0040 1.0	1112 0.0	048 0.00	0.0 620	0040   1.0112   0.0048   0.0029   0.0016   0.0045   0.0053   0.0054   0.0193   0.0062   0.0072   0.0069   0.0055   0.0047   0.0014   0.0028	45 0.00	53 0.00	32 0.00	54 0.01	33 0.006	2 0.0072	900.0	0.0055	0.0047	0.0014	0.0028	0.6618
	7 Abaca	0.0002 0.0002 0.0001 0.0001 0.	.0002 0.	.0001 0.	.0001 0.	0004 0.0	001 1.0	0.00	903 0.0	.0004 0.0001 1.0005 0.0003 0.0002 0.0004 0.0006 0.0003 0.0006 0.0001 0.0007 0.0008 0.0007 0.0004 0.0005 0.0001 0.0003	04 0.00	00.0 900	03 0.00	00.0 90	21 0.000	7 0.0008	10.0007	0.0004	0.0005	0.0001	0.0003	0.6060
	8 Industrial Crops	0.0038 0.0044 0.0036 0.0026 0.	.0044 0.	.0036 0.	0026 0.	0150 0.0	033 0.0	295 1.02	209 0.0	0150 0.0033 0.0295 1.0209 0.0060 0.0100 0.0130 0.0079 0.0134 0.0477 0.0153 0.0177 0.0169 0.0117 0.0117 0.0034 0.0069	00 0.01	130 0.00	79 0.01	34 0.04	77 0.015	3 0.0177	0.0169	0.0117	0.0117	0.0034	0.0069	0.7591
	9 Other Crops	0.0887 0.0616 0.0415 0.0261 0.	.0616 0.	.0415 0.	0261 0.	0912 0.0	)425 0.0	684 0.07	718 1.0	0912   0.0425   0.0684   0.0718   1.0606   0.0821   0.0621   0.0048   0.0080   0.0283   0.0091   0.0105   0.0101   0.0071   0.0071   0.0020   0.0041	21 0.06	521 0.00	48 0.00	80 0.02	33 0.009	1 0.0105	0.0101	0.0071	0.0071	0.0020	0.0041	1.0732
1	10 Livestock	0.0034 0.0033 0.0031 0.0023 0.	.0033 0.	.0031 0.	.0023 0.	0086 0.0	0.0 6500	103 0.00	0.0 550	0086   0.0039   0.0103   0.0055   0.0055   1.0479   0.0142   0.0068   0.0115   0.0410   0.0133   0.0153   0.0147   0.0123   0.0099   0.0029   0.0060	179 0.01	42 0.00	68 0.01	15 0.04	10 0.013	3 0.0153	3 0.0147	0.0123	0.0099	0.0029	0900.0	0.7454
1	11 Poultry	0.0024 0.0024 0.0022 0.0016 0.	.0024 0.	0022 0	.0016 0.	0061 0.0	0.00	0.04	039 0.0	0061 0.0020 0.0074 0.0039 0.0028 0.0066 1.0526 0.0050 0.0084 0.0297 0.0097 0.0111 0.0115 0.0105 0.0081 0.0022 0.0045	166 1.05	326 0.00	50 0.00	84 0.02	97 0.009	7 0.0111	0.0115	0.0105	0.0081	0.0022	0.0045	0.7148
1	12 Fishery	0.0030 0.0030 0.0027 0.0021 0.	.0030 0.	0027 0	.0021 0.	0.0 7700	0.025 0.0	1093 0.00	049 0.0	0077 0.0025 0.0093 0.0049 0.0032 0.0078 0.0102 1.0793 0.0130 0.0369 0.0124 0.0146 0.0147 0.0159 0.0103 0.0028 0.0064	178 0.01	102 1.07	93 0.01	30 0.03	59 0.012	4 0.0146	0.0147	0.0159	0.0103	0.0028	0.0064	0.7580
	Sub-Total of Agricultural Sector	1.1431	1450 1.	1101	1872 1.	1820 1.0	740 1.1	592 1.12	270 1.0	$1.1431 \left[ 1.1450 \right] 1.1101 \left[ 1.1872 \right] 1.1820 \left[ 1.0740 \right] 1.1592 \left[ 1.1270 \right] 1.0947 \left[ 1.2245 \right] 1.2150 \left[ 1.1269 \right] 0.0932 \left[ 0.3224 \right] 0.1043 \left[ 0.1043 \right] 0.1206 \left[ 0.1172 \right] 0.0922 \left[ 0.0855 \right] 0.0233 \left[ 0.0484 \right] 0.0484$	45 1.21	150 1.12	60 0 69	32 0.32	24 0.104	3 0.1206	6 0.1172	0.0922	0.0855	5 0.0233	0.0484	8.8820
1	13 Mining & Quarrying	0.0064 0.0064 0.0060 0.0044 0	0064 0	0000	0044 0.	0171 0.0	0.0 5500	201 0.0	107 0.0	0171 0.0055 0.0201 0.0107 0.0070 0.0169 0.0224 0.0140 1.0280 0.0828 0.0453 0.0324 0.0290 0.0149 0.0196 0.0065 0.0121	69 0.02	224 0.01	40 1.02	80 0.08	28 0.045	3 0.0324	0.0290	0.0149	0.0196	0.0065	0.0121	0.8449
1	14 Manufacturing	0.1280 0.1287 0.1211 0.0890 0.	1287 0	1211 0	0880	3368 0.	1102 0.4	042 0.2	153 0.1	3368   0.1102   0.4042   0.2153   0.1401   0.3405   0.4498   0.2757   0.4657   1.6722   0.5308   0.6135   0.5838   0.2947   0.3914   0.1149   0.2388	105 0.44	198 0.27	57 0.46	57 1.67	22 0.530	8 0.6135	5 0.5838	0.2947	0.3914	1 0.1145	0.2388	4.5895
1	15 Construction	0.0014 0.0011 0.0008 0.0006 0.	00110	0008	.0006 0.	0028 0.0	0.04 0.0	0.0 720	019 0.0	0028 0.0014 0.0027 0.0019 0.0024 0.0034 0.0042 0.0070 0.0323 0.0069 1.0167 0.0070 0.0083 0.0068 0.0084 0.0388 0.0135	34 0.00	0.00	70 0.03	23 0.00	59 1.016	7 0.0070	0.0083	0.0068	0.0084	1 0.0388	0.0135	0.7015
	16 Electricity, Gas & Water	0.0061 0.0093 0.0103 0.0039 0.0302 0.0071 0.0270 0.0169 0.0146 0.0236 0.0374 0.0220 0.0748 0.0530 0.0270 1.0764 0.0349 0.0506 0.0506 0.0577 0.0251 0.0404	.0093 0.	0103 0.	.0039 0.	0302 0.0	0.0 1700	270 0.0	169 0.0	146 0.02	36 0.03	374 0.02	20 0.07	48 0.05	30 0.027	0 1.0764	1 0.0349	0.0506	0.0577	7 0.0251	0.0404	0.9895
	Sub-Total of Industrial Sector	0.1418 0.1455 0.1382 0.0979 0.	1455 0	1382 0	0979 0.	3870 0.	1243 0.4	1541 0.2	448 0.1	3870 0.1243 0.4541 0.2448 0.1641 0.3844 0.5137 0.3186 1.6008 1.8149 1.6198 1.7294 0.6560 0.3671 0.4771 0.1852 0.3049	344 0.51	137 0.31	86 1.60	08 1.81	19 1.619	8 1.7294	0.6560	0.3671	0.4771	0.1852	0.3049	21.3257
1	17 Transportation & Communication	0.0206   0.0196   0.0128   0.0155   0.0391   0.0141   0.0363   0.0307   0.0246   0.0406   0.0399   0.0372   0.0508   0.0570   0.0505   0.0505   0.0297   1.0629   0.1181   0.0388   0.0410   0.0468	0196 0	0128 0	.0155 0.	0391 0.0	0.0 141	363 0.0	307 0.0	246 0.04	106 0.03	399 0.03	72 0.05	0.08	70 0.050	5 0.0297	7 1.0629	0.1181	0.0388	3 0.0410	0.0468	1.0964
1	18 Trade & Tourism	0.0192 0.0186 0.0132 0.0148 0.	0186 0	0132 0	.0148 0.	0466 0.0	0.137 0.0	684 0.02	245 0.0	$0.0466 \mid 0.0137 \mid 0.0684 \mid 0.0245 \mid 0.0178 \mid 0.0506 \mid 0.0562 \mid 0.0319 \mid 0.0511 \mid 0.0978 \mid 0.0823 \mid 0.0852 \mid 0.1127 \mid 1.0607 \mid 0.0756 \mid 0.0311 \mid 0.0448 \mid 0.0888 \mid 0$	60.05	562 0.03	19 0.05	11 0.09	78 0.082	3 0.0852	0.1127	1.0607	0.0756	5 0.0311	0.0448	1.2106
1	19 Community, Social & Personal Services	0.0108 0.0031 0.0025 0.0025 0	0031 0	.0025 0.	0025 0.	0076 0.0	0.0 9900	0.0 090	123 0.0	0076 0.0066 0.0060 0.0123 0.0272 0.0188 0.0139 0.0033 0.0239 0.0128 0.0080 0.0075 0.0242 0.0157 1.0463 0.0213 0.0637	88 0.01	139 0.00	33 0.02	39 0.01	28 0.008	0 0.0075	5 0.0242	0.0157	1.0463	3 0.0213	0.0637	0.8033
2	20 Financing, Insurance, Real Estate & Business Service	0.0262 0.0155 0.0095 0.0079 0.	0155 0	.0095 0.	.0079 0.	0442 0.0	3162 0.0	1399 0.02	219 0.0	$0.0442 \begin{vmatrix} 0.0162 \end{vmatrix} 0.0399 \begin{vmatrix} 0.0219 \end{vmatrix} 0.0394 \begin{vmatrix} 0.03374 \end{vmatrix} 0.0487 \begin{vmatrix} 0.0336 \begin{vmatrix} 0.0957 \end{vmatrix} 0.0957 \begin{vmatrix} 0.0629 \end{vmatrix} 0.1119 \begin{vmatrix} 0.0495 \end{vmatrix} 0.0495 \begin{vmatrix} 0.1074 \end{vmatrix} 0.1166 \begin{vmatrix} 0.0630 \end{vmatrix} 1.0962 \begin{vmatrix} 0.0918 \end{vmatrix}$	74 0.04	187 0.03	36 0.09	57 0.06	29 0.111	9 0.0495	5 0.1074	0.1166	0.0630	1.0962	0.0918	1.2819
2	21 Government Services	0.0000 0.0000 0.0000 0.0000	0000	.0000	0000 0.	0000	0000	000 0.00	0.0 0.0	0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	00.00	00.00	00 0.00	00 00	00.000	0 0.0000	0.0000	0.000	0.0000	0.0000	1.0000	0.6003
	Sub-Total of Service Sector	0.0768 0.0569 0.0381 0.0407 0.	.0569 0.	.0381 0	.0407 0.	1376 0.0	507 0.1	505 0.0	894 0.1	$.1376 \mid 0.0507 \mid 0.1505 \mid 0.0894 \mid 0.1090 \mid 0.1474 \mid 0.1588 \mid 0.1059 \mid 0.2215 \mid 0.2304 \mid 0.2527 \mid 0.1718 \mid 1.3072 \mid 1.3110 \mid 1.2236 \mid 1.1896 \mid 1.2471 \mid 0.1718 \mid 0.2371 \mid 0.1711 \mid 0.1711 \mid 0.17111 \mid 0.1711111111111111111111111111111111111$	174 0.15	588 0.10	59 0.22	15 0.23	04 0.252	7 0.1718	3 1.3072	1.3110	1.2236	5 1.1896	1.2471	43.0837
	Output Multipliers	1.3617 1.3474 1.2864 1.3259 1.	3474	2864			2489 1.7	7638 1.40	612 1.3	7066   1.2489   1.7638   1.4612   1.3679   1.7564   1.8875   1.5514   1.9155   2.3678   1.9768   2.0218   2.0804   1.7703   1.7862   1.3981   1.6005	64 1.88	375 1.55	14 1.91	55 2.36	78 1.976	8 2.0218	3 2.0804	1.7703	1.7862	1.3981	1.6005	0.4753
	Backward Linkages	0.8174 0.8089 0.7722 0.7959 1.	.8089	.7722 0	7959 1.	0245 0.	7497 1.0	588 0.8	772 0.8	$.0245 \\ \boxed{0.7497} \\ \boxed{1.0588} \\ \boxed{0.8772} \\ \boxed{0.8271} \\ \boxed{1.0543} \\ \boxed{1.1330} \\ \boxed{0.9313} \\ \boxed{1.1499} \\ \boxed{1.4214} \\ \boxed{1.1867} \\ \boxed{1.1867} \\ \boxed{1.2137} \\ \boxed{1.2489} \\ \boxed{1.0627} \\ \boxed{1.0723} \\ \boxed{0.8393} \\ \boxed{0.9608} \\ 0.9608$	1.13	330 0.93	13 1.14	99 1.42	14 1.186	7 1.2137	7 1.2489	1.0627	1.0723	8 0.8393	8096.0	
5	1001 I 4 4 4 1. D.		ľ		-		6	-		14.				1	$\left  {} \right $							

Source: 1994 Input-Output Accounts of the Philippines, National Statistical Coordination Board in Cooperation with National Statistics Office. Note: Category of Industrial Sub-Sector is based on Statistics of Albay Province.

Table XII5.8.1 Budget Structure of City/Municipalities in the Study Area (1999)

(Unit: 1,000 pesos)

							(0111: 1,000	r/
City/Municipalities	Reserve for Calamity (5%)	Developmen t Fund (20%)		Sub-Total	Tax Revenue	Total Revenue	IRA/Total Revenue (%)	Total Expenditure
1. Legazpi City	9,715	38,861	145,730	194,307	53,967	248,274	78.3	248,274
2. Bacacay	1,398	5,592	20,971	27,961	1,935	29,896	93.5	29,896
3. Camalig	1,401	5,602	21,009	28,012	3,824	31,836	88.0	31,836
4. Daraga	2,046	8,184	30,689	40,919	19,394	60,313	67.8	60,313
5. Guinobatan	1,708	6,832	25,620	34,160	12,380	46,540	73.4	46,540
6. Ligao	2,036	8,146	30,546		11,734	52,462	77.6	52,462
7. Malilipot	787	3,150	11,811	15,748	1,848	17,596	89.5	17,596
8. Malinao	1,009	4,037	15,139	20,185	2,062	22,247	90.7	22,247
9. Sto. Domingo	853	3,413	12,797	17,063	3,125	20,188	84.5	20,188
10. Tabaco	2,070	8,278	31,043	41,390	19,742	61,132	67.7	61,132
Total	23,024	92,095	345,355	460,473	130,011	590,484	78.0	590,484

Source: Albay Province Budget Office

Table XII5.8.2 Projection of Budget Structure of City/Municipalities in the Study Area (2005)

(Unit: 1,000 pesos)

							(CILL: 1,000	F)
City/Municipalities	Reserve for Calamity (5%)	IR Developmen t Fund (20%)		Sub-Total	Tax Revenue	Total Revenue	IRA/Total Revenue (%)	Total Expenditure
1. Legazpi City	16,334	65,336	245,010	326,680	90,732	417,413	78.3	417,413
2. Bacacay	2,234	8,937	33,513	44,683	3,092	47,776	93.5	47,776
3. Camalig	2,299	9,194	34,478	45,970	4,146	50,116	91.7	50,116
4. Daraga	3,627	14,508	54,405	72,539	21,260	93,799	77.3	93,799
5. Guinobatan	2,794	11,174	41,904	55,872	13,416	69,288	80.6	69,288
6. Ligao	2,910	11,642	43,657	58,209	12,473	70,682	82.4	70,682
7. Malilipot	1,133	4,534	17,001	22,668	1,966	24,635	92.0	24,635
8. Malinao	1,695	6,778	25,419	33,892	2,243	36,135	93.8	36,135
9. Sto. Domingo	1,542	6,167	23,125		3,435	34,268		34,268
10. Tabaco	3,793	15,172	56,893	75,858	21,744	97,602	77.7	97,602
Total	38,360	153,441	575,404	767,205	174,508	941,714	81.5	941,714

Source: ЛСА Study Team

Table XII5.8.3 Projection of Budget Structure of City/Municipalities in the Study Area (2005)
(Without Disaster Prevention Policy)

(Unit: 1,000 pesos)

							(ОШ. 1,000	pess)
City/Municipalities	Reserve for Calamity (5%)	Developmen t Fund (20%)	A Others	Sub-Total	Tax Revenue	Total Revenue	IRA/Total Revenue (%)	Total Expenditure
Legazpi City	12,326	49,303	184,885	246,514	68,467	314,981	78.3	314,981
2. Bacacay	1,686	6,744	25,289	33,718	2,333	36,052	93.5	36,052
3. Camalig	1,734	6,938	26,017	34,689	4,736	39,425	88.0	39,425
4. Daraga	2,737	10,948	41,054	54,738	25,944	80,682	67.8	80,682
5. Guinobatan	2,108	8,432	31,621	42,161	15,280	57,441	73.4	57,441
6. Ligao	2,196	8,785	32,943	43,925	12,655	56,579	77.6	56,579
7. Malilipot	855	3,421	12,829	17,106	2,007	19,113	89.5	19,113
8. Malinao	1,279	5,115	19,181	25,575	2,613	28,188	90.7	28,188
9. Sto. Domingo	1,404	5,616	21,059	28,078	5,142	33,221	84.5	33,221
10. Tabaco	737	2,950	11,062	14,750	7,035	21,785	67.7	21,785
Total	27,063	108,251	405,940	541,254	146,212	687,466	78.7	687,466

Source: JICA Study Team

Table XII5.8.4 Projection of Budget Structure of City/Municipalities in the Study Area (2020)

(Unit: 1,000 pesos)

City/Municipalities	Reserve for	IR Development			Tax Revenue	Total	IRA/Total Revenue	Total
City/Municipantics	Calamity	Fund	Others	Sub-Total	Tax Revenue	Revenue	(%)	Expenditure
	(5%)	(20%)					(70)	
1. Legazpi City	89,888	359,553	1,348,325	1,797,766	499,313	2,297,079	78.3	2,297,079
2. Bacacay	10,972	43,888	164,579	219,439	15,186	234,624	93.5	234,624
3. Camalig	10,281	41,125	154,219	205,625	18,545	224,170	91.7	224,170
4. Daraga	17,631	70,523	264,462	352,616	103,345	455,961	77.3	455,961
5. Guinobatan	13,225	52,901	198,380	264,506	63,512	328,019	80.6	328,019
6. Ligao	13,058	52,231	195,868	261,157	55,961	317,118	82.4	317,118
7. Malilipot	5,073	20,293	76,097	101,463	8,802	110,264	92.0	110,264
8. Malinao	7,842	31,368	117,628	156,838	10,379	167,217	93.8	167,217
9. Sto. Domingo	7,736	30,944	116,041	154,721	17,237	171,958	90.0	171,958
10. Tabaco	19,620	78,481	294,303	392,403	112,482	504,885	77.7	504,885
Total	195,327	781,307	2,929,900	3,906,534	904,762	4,811,295	81.2	4,811,295

Source: JICA Study Team

Table XII5.8.5 Projection of Budget Structure of City/Municipalities in the Study Area (2020) (Without Disaster Prevention Policy)

(Unit: 1,000 pesos)

							(Oint. 1,000 p	/
		IR	A				IRA/Total	
City/Municipalities	Reserve for	Development			Tax Revenue	Total	Revenue	Total
City/Municipandes	Calamity	Fund	Others	Sub-Total	Tax Revenue	Revenue		Expenditure
	(5%)	(20%)					(%)	
Legazpi City	18,484	73,936	277,260	369,679	102,675	472,354	78.3	472,354
2. Bacacay	2,528	10,113	37,924	50,565	3,499	54,064	93.5	54,064
3. Camalig	2,601	10,404	39,016	52,021	7,102	59,123	88.0	59,123
4. Daraga	4,104	16,417	61,566	82,087	38,906	120,994	67.8	120,994
5. Guinobatan	3,161	12,645	47,420	63,226	22,914	86,140	73.4	86,140
6. Ligao	3,294	13,174	49,403	65,871	18,978	84,848	77.6	84,848
7. Malilipot	1,283	5,130	19,239	25,652	3,010	28,662	89.5	28,662
8. Malinao	1,918	7,671	28,765	38,353	3,918	42,271	90.7	42,271
9. Sto. Domingo	1,745	6,978	26,169	34,892	6,390	41,282	84.5	41,282
10. Tabaco	4,292	17,168	64,382	85,842	40,945	126,787	67.7	126,787
Total	43,409	173,638	651,142	868,189	248,337	1,116,526	77.8	1,116,526

Source: JICA Study Team

Table XII5.8.6 Comparison of Achieved GRDP by City/Municipalities With Regard to Disaster Prevention Policy

(Unit: Milli. Peso)

								Unit: Milli. Peso
City/Municipalities	Item	1998	1999	2004	2005	2006	2020	Average Annual Growth Rate (%) [1999/2020]
1. Legazpi City	With	3,410	3,659	5,654	6,151	6,892	33,852	11.2
1. Legazpi City	Without	3,410	3,659	4,442	4,642	4,769	6,961	3.1
2. Bacacay	With	1,336	1,434	2,121	2,291	2,548	11,253	10.3
2. Bacacay	Without	1,336	1,434	1,667	1,729	1,776	2,593	2.9
3. Camalig	With	1,207	1,295	1,960	2,125	2,348	9,505	10.0
5. Camang	Without	1,207	1,295	1,540	1,603	1,647	2,405	3.0
4. Daraga	With	2,126	2,281	3,689	4,044	4,494	19,659	10.8
4. Dalaga	Without	2,126	2,281	2,898	3,052	3,135	4,577	3.4
5. Guinobatan	With	1,524	1,635	2,468	2,675	2,967	12,662	10.2
J. Guillobatan	Without	1,524	1,635	1,939	2,018	2,073	3,027	3.0
6. Ligao	With	1,889	2,027	2,726	2,897	3,202	12,999	9.3
U. Ligao	Without	1,889	2,027	2,141	2,186	2,246	3,279	2.3
7. Malilipot	With	626	671	908	966	1,068	4,325	9.3
7. Mannipot	Without	626	671	713	729	749	1,094	2.4
8. Malinao	With	777	833	1,286	1,399	1,550	6,475	10.3
o. Mannao	Without	777	833	1,011	1,056	1,085	1,583	3.1
9. Sto. Domingo	With	598	642	1,055	1,159	1,291	5,818	11.1
7. 5to. Domingo	Without	598	642	829	875	899	1,312	3.5
10. Tabaco	With	2,288	2,455	4,085	4,500	5,021	23,277	11.3
10. 140400	Without	2,288	2,455	3,209	3,396	3,489	5,092	3.5
Total	With	15,781	16,933	25,953	28,209	31,380	139,826	10.6
10141	Without	15,781	16,933	18,328	18,947	19,537	31,922	3.1

Source : JICA Study Team

Table XII 6.1 Negative-Damage Rate of Agricultural Products by Mud Flow in Case of Resettlement (Land Use Plan: Option-1)

	Damage Rate	e for Differenc	e of Agicultur	al Values by R	eturn Period
Year	2-Year	(5-3)-Year	(10-5)-Year	(20-10)-Year	(50-20)-Year
1	0.025000	0.500000	0.800000	0.900000	0.950000
2	0.000625	0.250000	0.640000	0.810000	0.902500
3	0.000016	0.125000	0.512000	0.729000	0.857375
4	0.000000	0.062500	0.409600	0.656100	0.814506
5	0.000000	0.031250	0.327680	0.590490	0.773781
6	0.000000	0.015625	0.262144	0.531441	0.735092
7	0.000000	0.007813	0.209715	0.478297	0.698337
8	0.000000	0.003906	0.167772	0.430467	0.663420
9	0.000000	0.001953	0.134218	0.387420	0.630249
10	0.000000	0.000977	0.107374	0.348678	0.598737
11	0.000000	0.000488	0.085899	0.313811	0.568800
12	0.000000	0.000244	0.068719	0.282430	0.540360
13	0.000000	0.000122	0.054976	0.254187	0.513342
14	0.000000	0.000061	0.043980	0.228768	0.487675
15	0.000000	0.000031	0.035184	0.205891	0.463291
16	0.000000	0.000015	0.028147	0.185302	0.440127
17	0.000000	0.000008	0.022518	0.166772	0.418120
18	0.000000	0.000004	0.018014	0.150095	0.397214
19	0.000000	0.000002	0.014412	0.135085	0.377354
20	0.000000	0.000001	0.011529	0.121577	0.358486
21	0.000000	0.000000	0.009223	0.109419	0.340562
22	0.000000	0.000000	0.007379	0.098477	0.323534
23	0.000000	0.000000	0.005903	0.088629	0.307357
24	0.000000	0.000000	0.004722	0.079766	0.291989
25	0.000000	0.000000	0.003778	0.071790	0.277390
26	0.000000	0.000000	0.003022	0.064611	0.263520
27	0.000000	0.000000	0.002418	0.058150	0.250344
28	0.000000	0.000000	0.001934	0.052335	0.237827
29	0.000000	0.000000	0.001547	0.047101	0.225936
30	0.000000	0.000000	0.001238	0.042391	0.214639
31	0.000000	0.000000	0.000990	0.038152	0.203907
32	0.000000	0.000000	0.000792	0.034337	0.193711
33	0.000000	0.000000	0.000634	0.030903	0.184026
34	0.000000	0.000000	0.000507	0.027813	0.174825
35	0.000000	0.000000	0.000406	0.025032	0.166083
36	0.000000	0.000000	0.000325	0.022528	0.157779
37	0.000000	0.000000	0.000260	0.020276	0.149890
38	0.000000	0.000000	0.000208	0.018248	0.142396
39	0.000000	0.000000	0.000166	0.016423	0.135276
40	0.000000	0.000000	0.000133	0.014781	0.128512
41	0.000000	0.000000	0.000106	0.013303	0.122087
42	0.000000	0.000000	0.000085	0.011973	0.115982
43	0.000000	0.000000	0.000068	0.010775	0.110183
44	0.000000	0.000000	0.000054	0.009698	0.104674
45	0.000000	0.000000	0.000044	0.008728	0.099440
46	0.000000	0.000000	0.000035	0.007855	0.094468
47	0.000000	0.000000	0.000028	0.007070	0.089745
48	0.000000	0.000000	0.000022	0.006363	0.085258
49	0.000000	0.000000	0.000018	0.005726	0.080995
50	0.000000	0.000000	0.000014	0.005154	0.076945

Table XXII 6.2 Negative-Damage Rate of Structural Assets by Mud Flow in Case of Resettlement (Land Use Plan: Option-1)

	Damage Rate:	for Difference of	f Values of Sturt	ictural Assets by	Return Period
Year	2-Year	(5-3)-Year	(10-5)-Year	(20-10)-Year	(50-20)-Year
1	0.75000	0.20000	0.10000	0.05000	0.02000
2	0.12500	0.10000	0.08000	0.04500	0.01900
3	0.03125	0.05000	0.06400	0.04050	0.01805
4	0.00781	0.02500	0.05120	0.03645	0.01715
5	0.00195	0.01250	0.04096	0.03281	0.01629
6	0.00049	0.00625	0.03277	0.02952	0.01548
7	0.00012	0.00313	0.02621	0.02657	0.01470
8	0.00003	0.00156	0.02097	0.02391	0.01397
9	0.00001	0.00078	0.01678	0.02152	0.01327
10	0.00000	0.00039	0.01342	0.01937	0.01260
11	0.00000	0.00020	0.01074	0.01743	0.01197
12	0.00000	0.00010	0.00859	0.01569	0.01138
13	0.00000	0.00005	0.00687	0.01412	0.01081
14	0.00000	0.00002	0.00550	0.01271	0.01027
15	0.00000	0.00001	0.00440	0.01144	0.00975
16	0.00000	0.00001	0.00352	0.01029	0.00927
17	0.00000	0.00000	0.00281	0.00927	0.00880
18	0.00000	0.00000	0.00225	0.00834	0.00836
19	0.00000	0.00000	0.00180	0.00750	0.00794
20	0.00000	0.00000	0.00144	0.00675	0.00755
21	0.00000	0.00000	0.00115	0.00608	0.00717
22	0.00000	0.00000	0.00092	0.00547	0.00681
23	0.00000	0.00000	0.00074	0.00492	0.00647
24	0.00000	0.00000	0.00059	0.00443	0.00615
25	0.00000	0.00000	0.00047	0.00399	0.00584
26	0.00000	0.00000	0.00038	0.00359	0.00555
27	0.00000	0.00000	0.00030	0.00323	0.00527
28	0.00000	0.00000	0.00024	0.00291	0.00501
29	0.00000	0.00000	0.00019	0.00262	0.00476
30	0.00000	0.00000	0.00015	0.00236	0.00452
31	0.00000	0.00000	0.00012	0.00212	0.00429
32	0.00000	0.00000	0.00010	0.00191	0.00408
33	0.00000	0.00000	0.00008	0.00172	0.00387
34	0.00000	0.00000	0.00006	0.00155	0.00368
35	0.00000	0.00000	0.00005	0.00139	0.00350
36	0.00000	0.00000	0.00004	0.00125	0.00332
37	0.00000	0.00000	0.00003	0.00113	0.00316
38	0.00000	0.00000	0.00003	0.00101	0.00300
39	0.00000	0.00000	0.00002	0.00091	0.00285
40	0.00000	0.00000	0.00002	0.00082	0.00271
41	0.00000	0.00000	0.00001	0.00074	0.00257
42	0.00000	0.00000	0.00001	0.00067	0.00244
43	0.00000	0.00000	0.00001	0.00060	0.00232
44	0.00000	0.00000	0.00001	0.00054	0.00220
45	0.00000	0.00000	0.00001	0.00048	0.00209
46	0.00000	0.00000	0.00000	0.00044	0.00199
47	0.00000	0.00000	0.00000	0.00039	0.00189
48	0.00000	0.00000	0.00000	0.00035	0.00179
49	0.00000	0.00000	0.00000	0.00032	0.00171
50	0.00000	0.00000	0.00000	0.00029	0.00162

Table XII 6.3 Farmgate Price for Main Agricultural Products

Items	Unit	Coconut (Copra)	Rice	Corn	Abaca	Banana	Rootcrops	Vegetables	Industrials Crops	Other Crops
International Market Price										
	US\$/ton	433	328			200				
Exchange rate	Peso/US\$	37.5	37.5			37.5				
	Peso/ton	16,229	12,286			7,509				
Transportation Cost &										
Warehouse(30%)		4,869	3,686			2,253				
Farm Gate Price										
Financial Price	Peso/ton	11,360	8,600	5,500	17,000	5,257	3,700	10,000	50,000	8,000
Production Cost										
Cost	Peso/ton	7,952	6,020	3,850	11,900	3,680	2,590	7,000	35,000	5,600
Net Income	Peso/ton	3,408	2,580	1,650	5,100	1,577	1,110	3,000	15,000	2,400
Economic Price	Peso/ton	9,929	7,517	4,807	14,858	4,594	3,234	8,740	43,700	6,992
Production Cost										
Conversion Factor(82%)		0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Cost	Peso/ton	6,521	4,937	3,157	9,758	3,017	2,124	5,740	28,700	4,592
Net Income	Peso/ton	3,408	2,580	1,650	5,100	1,577	1,110	3,000	15,000	2,400
Production/Ha.	Ton/ha.	1.81	5.13	2.82	2.31	19'9	13.57	5.78	7.96	9.70
Financial Price	Peso/ha.	20,541	44,097	15,491	39,314	35,044	50,215	57,839	397,764	77,638
Economic Price	Peso/ha.	17,953	38,541	13,539	34,360	30,628	43,888	50,552	347,645	67,856

Note: Farmgate price for copra, rice and banana are based in international market price by referring to "Commodity Markets and Development Countries" A World Bank Business Quarterly, Nov. 1998.

## Table XII 6.4 Unit Value of Damageable Assets

(Price at 1999)

Building			· · · · · · · · · · · · · · · · · · ·		···	Economic Price	
Residential House	77: 1 04						
Building	Kinds o	of Assets	Unit	1999	2020	1999	2020
Building		Residential House	Peso/Household	88,852	165,291	72,859	135,539
Building			Milli.Peso/Ha.	11.8	22.0	9.7	18.1
Commercial Building		Industrial Building	Peso/Building	1,001,000	2,788,749	820,820	2,286,774
Milli.Peso/Ha.   66.0   183.8   54.1   150.7	Building		Milli.Peso/Ha.		159.4	46.9	130.7
Public Facilities		Commercial Building	Peso/Building	307,808	857,540	252,402	703,183
Milli.Peso/Ha.   59.4   165.4   48.7   135.6     Residencial House   Peso/Building   44,426   123,769   36,429   101,491     Milli.Peso/Ha.   5.9   11.0   4.9   9.0     Industrial Building   Peso/Building   800,800   2,230,999   656,656   1,829,419     Milli.Peso/Ha.   45.8   127.5   37.5   104.5     Commercial Building   Peso/Building   430,931   1,200,556   353,363   984,456     Milli.Peso/Ha.   92.3   257.3   75.7   211.0     Public Facilities   Peso/Building   304,729   848,965   249,878   696,151     Milli.Peso/Ha.   65.3   181.9   53.5   149.2     Roads   Milli.Peso/Ha.   65.3   181.9   53.5   149.2     Roads   Milli.Peso/km   7.5   20.9   6.2   17.1     Barangay Road   Milli.Peso/km   3.0   8.4   2.5   6.9     Railway   Milli.Peso/km   15.0   15.0   12.3   12.3     Bridges   Milli.Peso/km   11.3   11.3   9.2   9.2     Rice   Peso/Ha.   44,097   88,194   38,541   77,081     Coconut   Peso/Ha.   20,541   41,083   17,953   35,906     Corn   Peso/Ha.   15,491   30,982   13,539   27,078     Banana   Peso/Ha.   35,044   70,088   30,628   61,257     Root Crops   Peso/Ha.   39,314   78,628   34,360   68,721     Root Crops   Peso/Ha.   57,839   115,679   50,552   101,103     Industrial Crops   Peso/Ha.   397,764   795,527   347,645   695,291			Milli.Peso/Ha.				150.7
Residencial House		Public Facilities	Peso/Building	277,027	771,786	227,162	632,865
Industrial Building			Milli.Peso/Ha.	59.4	165.4	48.7	135.6
Industrial Building		Residencial House	Peso/Building	44,426	123,769	36,429	101,491
Milli.Peso/Ha.   45.8   127.5   37.5   104.5			Milli.Peso/Ha.	5.9		4.9	9.0
Commercial Building		Industrial Building	Peso/Building	800,800	2,230,999	656,656	1,829,419
Milli.Peso/Ha.   92.3   257.3   75.7   211.0	Indoor Movables		Milli.Peso/Ha.	45.8	127.5	37.5	104.5
Public Facilities		Commercial Building	Peso/Building	430,931	1,200,556	353,363	984,456
Milli.Peso/Ha   65.3   181.9   53.5   149.2			Milli.Peso/Ha.	92.3	257.3		211.0
Roads   Major Road   Milli.Peso/km   7.5   20.9   6.2   17.1		Public Facilities	Peso/Building	304,729	848,965	249,878	696,151
Major Road         Milli Peso/km         7.5         20.9         6.2         17.1           Barangay Road         Milli Peso/km         3.0         8.4         2.5         6.9           Railway         Milli Peso/km         15.0         15.0         12.3         12.3           Bridges         Milli Peso/km         11.3         11.3         9.2         9.2           Rice         Peso/Ha.         44,097         88,194         38,541         77,081           Coconut         Peso/Ha.         20,541         41,083         17,953         35,906           Corn         Peso/Ha.         15,491         30,982         13,539         27,078           Banana         Peso/Ha.         35,044         70,088         30,628         61,257           Abaca         Peso/Ha.         39,314         78,628         34,360         68,721           Root Crops         Peso/Ha.         50,215         100,430         43,888         87,776           Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291			Milli.Peso/Ha.	65.3	181.9	53.5	149.2
Barangay Road   Milli.Peso/km   3.0   8.4   2.5   6.9	Roads						
Milli.Peso/km   15.0   15.0   12.3   12.3   12.3   Bridges   Milli.Peso/km   11.3   11.3   9.2	Major Road			7.5			17.1
Bridges         Milli.Peso/km         11.3         11.3         9.2         9.2           Rice         Peso/Ha.         44,097         88,194         38,541         77,081           Coconut         Peso/Ha.         20,541         41,083         17,953         35,906           Corn         Peso/Ha.         15,491         30,982         13,539         27,078           Banana         Peso/Ha.         35,044         70,088         30,628         61,257           Abaca         Peso/Ha.         39,314         78,628         34,360         68,721           Root Crops         Peso/Ha.         50,215         100,430         43,888         87,776           Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291	Barangay Road		Milli.Peso/km				6.9
Rice         Peso/Ha.         44,097         88,194         38,541         77,081           Coconut         Peso/Ha.         20,541         41,083         17,953         35,906           Corn         Peso/Ha.         15,491         30,982         13,539         27,078           Banana         Peso/Ha.         35,044         70,088         30,628         61,257           Abaca         Peso/Ha.         39,314         78,628         34,360         68,721           Root Crops         Peso/Ha.         50,215         100,430         43,888         87,776           Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291	Railway					12.3	
Coconut Peso/Ha. 20,541 41,083 17,953 35,906 Corn Peso/Ha. 15,491 30,982 13,539 27,078 Banana Peso/Ha. 35,044 70,088 30,628 61,257 Abaca Peso/Ha. 39,314 78,628 34,360 68,721 Root Crops Peso/Ha. 50,215 100,430 43,888 87,776 Vegetables Peso/Ha. 57,839 115,679 50,552 101,103 Industrial Crops Peso/Ha. 397,764 795,527 347,645 695,291	Bridges						
Corn         Peso/Ha.         15,491         30,982         13,539         27,078           Banana         Peso/Ha.         35,044         70,088         30,628         61,257           Abaca         Peso/Ha.         39,314         78,628         34,360         68,721           Root Crops         Peso/Ha.         50,215         100,430         43,888         87,776           Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291							
Agricultural Products  Abaca Peso/Ha. 35,044 70,088 30,628 61,257 Abaca Peso/Ha. 39,314 78,628 34,360 68,721 Root Crops Peso/Ha. 50,215 100,430 43,888 87,776 Vegetables Peso/Ha. 57,839 115,679 50,552 101,103 Industrial Crops Peso/Ha. 397,764 795,527 347,645 695,291		Coconut					
Agricultural Products         Abaca         Peso/Ha.         39,314         78,628         34,360         68,721           Root Crops         Peso/Ha.         50,215         100,430         43,888         87,776           Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291							
Root Crops         Peso/Ha.         50,215         100,430         43,888         87,776           Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291			A				
Vegetables         Peso/Ha.         57,839         115,679         50,552         101,103           Industrial Crops         Peso/Ha.         397,764         795,527         347,645         695,291	Agricultural Products	Abaca					
Industrial Crops Peso/Ha. 397,764 795,527 347,645 695,291							87,776
							101,103
Other Crops Peso/Ha. 77,638 155,277 67,856 135,712			L				
		Other Crops	Peso/Ha.	77,638	155,277	67,856	135,712

Note: 1. Values of assets except agricultural products are assumed to increase at the rate of 5% per annum by increase of defor building and quality improvement of materials of construction during the period from 1999 to 2020.

<sup>2.</sup> Values of assets for agricultural products are assumed to increase to two times by improvement of productivity

Table XII 6.5 Unit Cost and Benefit of Development for Land Use Plan (Option-2&3)

#### (A) Cost in Economic Price

(Unit: Peso/ha.)

Sector	Present (1999)	Future	Increase		
(1) Agriculture					
Production Cost					
Rice	25,312	48,092	22,780		
Coconut	11,791	22,402	10,612		
Vegitable	33,200	63,080	29,880		
(2) Industry					
Land Acquisition		1,692,000			
Capital Cost					
Building		14,924,000			
Indoor Movables		11,939,200			
Sub-Total		26,863,200			
Land Development		1,160,278			
Total Capital Cost		29,715,478			
Annual Labor Cost		1,639,938			
Annual Materials		326,166			
Toatl O&M Cost		1,966,104			
(3) Service					
Land Acquisition		3,384,000			
Capital Cost					
Building		9,178,260			
Indoor Movables		6,424,782			
Sub-Total		15,603,042			
Land Development		580,139			
Total Capital Cost		19,567,181			
Annual Labor Cost		2,021,756			
Annual Materials		163,083			
Toatl O&M Cost		2,184,839			

#### (2) Benefit in Economic Price

(Unit: Peso/ha.)

Sector	Present (1999)	Future	Increase
(1) Agriculture			
Enhancement of Productivity			•
Rice	38,542	77,081	38,539
Coconut	17,953	35,906	17,953
Vegitable	50,552	101,103	50,551
(2) Industry			
Annual Labor Cost (Income)		1,639,938	
Value Added Labor Cost (income)		2,459,907	
Total Benefit		4,099,845	
(3) Service			
Annual Labor Cost (Income)		2,021,756	
Value Added Labor Cost (income)		3,032,634	
Total Benefit		5,054,390	