

PROVINCIAL IRRIGATION PROFILE			Province: NUEVA ECIJA		Region: III		File No: 15																																																													
<b>SOCIO-ECONOMIC BACKGROUND</b>			<b>AGRICULTURE</b>			<b>IRRIGATION</b>																																																														
Land Area <u>5,284.3</u> sq.km			Agricultural Land Use (1989)			Potential Irrigable Area <u>194,789</u> ha																																																														
Population 1990 <u>1,309,000</u> persons 2000 <u>1,507,000</u> persons			<table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>179,580</u> ha</td> <td><u>637,191</u> tons</td> <td><u>3.55</u> tons/ha</td> </tr> <tr> <td>Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td><u>54,690</u> ha</td> <td><u>131,286</u> tons</td> <td><u>2.40</u> tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>6,350</u> ha</td> <td><u>3,981</u> tons</td> <td><u>0.63</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>1,781</u> ha</td> <td><u>1,414</u> tons</td> <td><u>0.79</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>397</u> ha</td> <td><u>2,819</u> tons</td> <td><u>7.10</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>8,372</u> ha</td> <td><u>81,588</u> tons</td> <td><u>9.75</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>245</u> ha</td> <td><u>283</u> tons</td> <td><u>1.16</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>251,415</u> ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td><u>175</u> ha</td> <td><u>344</u> tons</td> <td><u>1.96</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>251,590</u> ha</td> <td></td> <td></td> </tr> </tbody> </table>			Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>179,580</u> ha	<u>637,191</u> tons	<u>3.55</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	<u>54,690</u> ha	<u>131,286</u> tons	<u>2.40</u> tons/ha	Corn	<u>6,350</u> ha	<u>3,981</u> tons	<u>0.63</u> tons/ha	Leguminous crops	<u>1,781</u> ha	<u>1,414</u> tons	<u>0.79</u> tons/ha	Tuber crops	<u>397</u> ha	<u>2,819</u> tons	<u>7.10</u> tons/ha	Vegetables/fruits	<u>8,372</u> ha	<u>81,588</u> tons	<u>9.75</u> tons/ha	Tobacco	<u>245</u> ha	<u>283</u> tons	<u>1.16</u> tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>251,415</u> ha			Permanent Crops	<u>175</u> ha	<u>344</u> tons	<u>1.96</u> tons/ha	Total	<u>251,590</u> ha			Status of Irrigation Development (1989)		
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Total	<u>251,590</u> ha																																																																			
Population Density (1990) <u>248</u> persons /sq.km			Ratio of Agricultural Land against Total Land <u>72.6</u> %			National Irrigation System (NIS)																																																														
Population Growth Rate <u>2.1</u> %			Average Cropping Intensity <u>65.6</u> %			No. of Systems <u>2</u> no.																																																														
Rural population (1990) <u>762,000</u> persons <u>58</u> %			Average Farm Size <u>2.6</u> ha			Irrigation Service Area <u>93,439</u> ha																																																														
Urban population (1990) <u>547,000</u> persons <u>42</u> %			Total Agricultural Production Values (1989)			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha																																																														
No. of Households <u>251,000</u> no.			Crop Production <u>11,711 M</u> Pesos <u>59.2</u> %			Cropping Intensity _____ %																																																														
No. of Farm Households <u>147,000</u> no.			Forestry <u>14 M</u> Pesos <u>0.1</u> %			No. of Beneficiary Farmers <u>51,149</u> no.																																																														
% of farm household <u>58</u> %			Fishery <u>2,002 M</u> Pesos <u>10.1</u> %			Communal Irrigation System (CIS)																																																														
RGDP (1989) <u>84,076 M</u> Pesos			Livestock <u>6,071 M</u> Pesos <u>30.6</u> %			No. of Systems <u>63</u> no.																																																														
Per Capita RGDP (1989) <u>13,580</u> Pesos			Total <u>19,798 M</u> Pesos <u>100.0</u> %			Irrigation Service Area <u>18,378</u> ha																																																														
Rural <u>19,798 M</u> Pesos <u>23.5</u> %			Share of Agricultural Sector in RGDP <u>23.5</u> %			Actually Irrigated Area <u>9,758</u> ha wet <u>9,758</u> ha dry <u>5,799</u> ha																																																														
Urban <u>64,278 M</u> Pesos <u>76.5</u> %			Supply and Demand Condition of Rice			Cropping Intensity <u>85</u> %																																																														
Rural Per Capita RGDP <u>5,495</u> Pesos			1989			No. of Beneficiary Farmers <u>9,659</u> no.																																																														
(Above or Below National Average per capita RGDP)			Total Gross Paddy Production <u>768,477</u> tons			Pump Irrigation System (PIS)																																																														
Above + _____ %			Seeds, Feeds&Wastes <u>73,005</u> tons			No. of Systems <u>1,550</u> no.																																																														
Below - <u>9.1</u> %			Total Net Paddy Production <u>695,472</u> tons			Irrigation Service Area <u>9,232</u> ha																																																														
Income Class of Province <u>1st</u>			Milling Recovery <u>65</u> %			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha																																																														
			Availability of Rice for Consumption <u>452,057</u> tons			Cropping Intensity _____ %																																																														
			Per capita Availability of Rice <u>345</u> Kg			No. of Beneficiary Farmers _____ no.																																																														
			Total Demand for Rice <u>151,268</u> tons			% of Irrigation Development (1989) <u>62.1</u> %																																																														
			Surplus + <u>300,789</u> tons			Status of Inventoried Sub-projects under SSIDP																																																														
			Deficit _____ tons			Existing System																																																														
			2000			No. of Systems <u>43</u> no.																																																														
			Total Gross Paddy Production <u>681,220</u> tons			Irrigation Service Area <u>7,746</u> ha																																																														
			Seeds, Feeds&Wastes <u>64,716</u> tons			Actually Irrigated Area <u>6,685</u> ha wet <u>6,685</u> ha dry <u>5,269</u> ha																																																														
			Total Net Paddy Production <u>616,504</u> tons			Cropping Intensity <u>137</u> %																																																														
			Milling Recovery <u>65</u> %			No. of Beneficiary Farmers _____ no.																																																														
			Availability of Rice for Consumption <u>400,728</u> tons			New Projects																																																														
			Per capita Availability of Rice <u>266</u> Kg			No. of Projects <u>1</u> no.																																																														
			Total Demand for Rice <u>182,748</u> tons			Irrigation Service Area <u>153</u> ha wet <u>153</u> ha dry <u>72</u> ha																																																														
			Surplus + <u>217,980</u> tons			Cropping Intensity _____ %																																																														
			Deficit _____ tons			No. of Beneficiary Farmers _____ no.																																																														
<b>RELATION WITH CARP</b>						All of Inventoried Sub-projects																																																														
CARP Priority Province <u>Yes</u>						No. of Systems/projects <u>44</u> no.																																																														
Area for distribution under CARP (EP) <u>62,508</u> ha						Irrigation Service Area <u>7,899</u> ha																																																														
Status of Issuance of Emancipation Patents (1990) <u>87.3</u> %						No. of Beneficiary Farmers _____ no.																																																														
No. of Units <u>55,028</u> unit						Average Size of Inventoried Sub-projects _____ ha																																																														
Total Area <u>54,542</u> ha						Existing system <u>180</u> ha																																																														
Total No. of Farmer-Beneficiaries <u>42,366</u> no.						New projects <u>153</u> ha																																																														
No. of CISs/CIPs for implementation under CARP-IC						<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>																																																														
CISs <u>27</u> no. <u>15,612</u> ha						Name of responsible PIO: <u>NUEVA ECIJA PIO</u>																																																														
CIPs <u>20</u> no. <u>9,625</u> ha						No. of Permanent Staff _____ persons																																																														
Total <u>47</u> no. <u>25,237</u> ha						Technical/engineering staff <u>24</u> persons																																																														
						Administrative staff <u>9</u> persons																																																														
						No. of Contractual Staff <u>86</u> persons																																																														
						Total <u>119</u> persons																																																														
<b>PHYSICAL PROFILE</b>						<b>REMARKS</b>																																																														
Topography																																																																				
Climate																																																																				
plain/flat <u>54</u> % Type: <u>I, III, (IV)</u>																																																																				
undulating/rolling <u>11</u> % Annual Rainfall <u>2,555</u> mm																																																																				
hilly/mountaneous <u>30</u> % wet season _____ mm																																																																				
swamp/others <u>5</u> % dry season _____ mm																																																																				
Total <u>100</u> % Frequency of Typhoon _____ %																																																																				
Soils																																																																				
Hydrology																																																																				
Arable land <u>3,833.87</u> sq.km Estimated annual runoff _____ MCM																																																																				
Suitable for:																																																																				
paddy <u>81</u> % wet season _____ MCM																																																																				
diversified crops <u>19</u> % dry season _____ MCM																																																																				
Annual flooded area _____ sq.km																																																																				

PROVINCIAL IRRIGATION PROFILE		Province: <b>TARLAC</b>		Region: <b>III</b>		File No: <b>16</b>	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>			
Land Area <u>3,053.45</u> sq.km		Agricultural Land Use (1989)		Potential Irrigable Area <u>70,591</u> ha			
Population 1990 <u>861,000</u> persons		Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)			
Population 2000 <u>1,107,000</u> persons		Irrigated Paddy <u>77,360</u> ha <u>208,744</u> tons <u>2.70</u> tons/ha		National Irrigation System (NIS)			
Population Density (1990) <u>282</u> persons /sq.km		Wet Season _____ ha _____ tons _____ tons/ha		No. of Systems <u>3</u> no.			
Population Growth Rate <u>2.3</u> %		Dry Season _____ ha _____ tons _____ tons/ha		Irrigation Service Area <u>22,556</u> ha			
Rural population (1990) <u>501,000</u> persons <u>58</u> %		Rainfed paddy <u>20,380</u> ha <u>47,372</u> tons <u>2.32</u> tons/ha		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha			
Urban population (1990) <u>360,000</u> persons <u>42</u> %		Corn <u>3,250</u> ha <u>4,669</u> tons <u>1.44</u> tons/ha		Cropping Intensity _____ %			
No. of Households <u>159,000</u> no.		Leguminous crops <u>4,341</u> ha <u>3,010</u> tons <u>0.69</u> tons/ha		No. of Beneficiary Farmers <u>19,441</u> no.			
No. of Farm Households <u>93,000</u> no.		Tuber crops <u>4,104</u> ha <u>12,954</u> tons <u>3.16</u> tons/ha		Communal Irrigation System (CIS)			
% of farm household _____ %		Vegetables/fruits <u>1,716</u> ha <u>11,860</u> tons <u>6.91</u> tons/ha		No. of Systems <u>50</u> no.			
RGDP (1989) <u>84,076 M</u> Pesos		Tobacco <u>1,982</u> ha <u>3,669</u> tons <u>1.85</u> tons/ha		Irrigation Service Area <u>13,833</u> ha			
Per Capita RGDP (1989) <u>13,580</u> Pesos		Sugar Cane <u>11,936</u> ha <u>736</u> tons <u>0.06</u> tons/ha		Actually Irrigated Area <u>13,833</u> ha wet _____ ha dry _____ ha			
Rural <u>19,798 M</u> Pesos <u>23.5</u> %		Others _____ ha _____ tons _____ tons/ha		Cropping Intensity _____ %			
Urban <u>64,278 M</u> Pesos <u>76.5</u> %		sub-total <u>125,069</u> ha		No. of Beneficiary Farmers <u>5,369</u> no.			
Rural Per Capita RGDP <u>5,495</u> Pesos		Permanent Crops <u>278</u> ha <u>206</u> tons <u>0.74</u> tons/ha		Pump Irrigation System (PIS)			
(Above or Below National Average per capita RGDP)		Total <u>125,347</u> ha		No. of Systems <u>833</u> no.			
Above + _____ %		Ratio of Agricultural Land against Total Land <u>34.2</u> %		Irrigation Service Area <u>2,602</u> ha			
Below - <u>9.1</u> %		Average Cropping Intensity <u>119.9</u> %		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha			
Income Class of Province <u>1st</u>		Average Farm Size <u>1.1</u> ha		Cropping Intensity _____ %			
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989) <u>55.2</u> %			
CARP Priority Province No		Crop Production <u>11,711 M</u> Pesos <u>59.2</u> %		Status of Inventoried Sub-projects under SSIDP			
Area for distribution under CARP (EP) <u>18,151</u> ha		Forestry <u>14 M</u> Pesos <u>0.1</u> %		Existing System			
Status of Issuance of Emancipation Patents (1990) <u>119.12</u> %		Fishery <u>2,002 M</u> Pesos <u>10.1</u> %		No. of Systems <u>36</u> no.			
No. of Units <u>23,577</u> unit		Livestock <u>6,071 M</u> Pesos <u>30.6</u> %		Irrigation Service Area <u>7,975</u> ha			
Total Area <u>21,622</u> ha		Total <u>19,798 M</u> Pesos <u>100.0</u> %		Actually Irrigated Area <u>6,978</u> ha wet <u>6,978</u> ha dry <u>5,692</u> ha			
Total No. of Farmer-Beneficiaries <u>18,112</u> no.		Share of Agricultural Sector in RGDP <u>23.5</u> %		Cropping Intensity <u>169</u> %			
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		No. of Beneficiary Farmers _____ no.			
CISs <u>2</u> no. <u>2,510</u> ha		1989		New Projects			
CIPs <u>7</u> no. <u>2,620</u> ha		Total Gross Paddy Production <u>256,116</u> tons		No. of Projects <u>3</u> no.			
Total <u>9</u> no. <u>5,130</u> ha		Seeds, Feeds&Wastes <u>24,331</u> tons		Irrigation Service Area <u>514</u> ha wet <u>514</u> ha dry <u>0</u> ha			
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production <u>231,785</u> tons		Cropping Intensity <u>154</u> %			
Topography Climate		Milling Recovery <u>65</u> %		No. of Beneficiary Farmers _____ no.			
plain/flat <u>80</u> % Type: <u>I</u>		Availability of Rice for Consumption <u>150,660</u> tons		All of Inventoried Sub-projects			
undulating/rolling _____ % Annual Rainfall <u>2,479</u> mm		Per capita Availability of Rice <u>175</u> Kg		No. of Systems/projects <u>39</u> no.			
hilly/mountaneous <u>20</u> % wet season _____ mm		Total Demand for Rice <u>99,497</u> tons		Irrigation Service Area <u>8,489</u> ha			
swamp/others _____ % dry season _____ mm		Surplus <u>51,163</u> tons		No. of Beneficiary Farmers _____ no.			
Total <u>100</u> % Frequency of Typhoon _____ %		Deficit _____ tons		Average Size of Inventoried Sub-projec _____ ha			
Soils Hydrology		2000		Existing system <u>222</u> ha			
Arable land <u>1,045.42</u> sq.km Estimated annual runoff _____ MCM		Total Gross Paddy Production <u>234,435</u> tons		New projects <u>171</u> ha			
Suitable for: wet season _____ MCM		Seeds, Feeds&Wastes <u>22,271</u> tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>			
paddy <u>64</u> % dry season _____ MCM		Total Net Paddy Production <u>212,164</u> tons		Name of responsible PIO: <u>TARLAC PIO</u>			
diversified crops <u>36</u> % Annual flooded area _____ sq.km		Milling Recovery <u>65</u> %		No. of Permanent Staff <u>29</u> persons			
		Availability of Rice for Consumption <u>137,906</u> tons		Technical/engineering staff _____ persons			
		Per capita Availability of Rice <u>125</u> Kg		Administrative staff _____ persons			
		Total Demand for Rice <u>134,311</u> tons		No. of Contractual Staff <u>48</u> persons			
		Surplus <u>3,595</u> tons		Total <u>77</u> persons			
		Deficit _____ tons		<b>REMARKS</b>			

PROVINCIAL IRRIGATION PROFILE		Province: ZAMBALES	Region: III	File No: 17	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	3,714.4 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	29,914 ha
Population 1990	561,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	815,000 persons	Irrigated Paddy	27,750 ha	65,739 tons	2.37 tons/ha
Population Density (1990)	151 persons /sq.km	Wet Season			
Population Growth Rate	2.4 %	Dry Season			
Rural population (1990)	327,000 persons	Rainfed paddy			
Urban population (1990)	234,000 persons	Corn	20 ha	9 tons	0.45 tons/ha
No. of Households	116,000 no.	Leguminous crops	73 ha	24 tons	0.33 tons/ha
No. of Farm Households	68,000 no.	Tuber crops	505 ha	1,198 tons	2.37 tons/ha
% of farm household	58 %	Vegetables/fruits	518 ha	4,354 tons	8.41 tons/ha
RGDP (1989)	84,076 M Pesos	Tobacco			
Per Capita RGDP (1989)	13,580 Pesos	Sugar Cane			
Rural	19,798 M Pesos	Others			
Urban	64,278 M Pesos	sub-total	28,866 ha		
Rural Per Capita RGDP	5,495 Pesos	Permanent Crops	1,322 ha	1,355 tons	1.02 tons/ha
(Above or Below National Average per capita RGDP)		Total	30,188 ha		
Above	+ %	Ratio of Agricultural Land against Total Land	9.1 %		
Below	- 9.1 %	Average Cropping Intensity	89.7 %		
Income Class of Province	3rd	Average Farm Size	0.5 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989)	
CARP Priority Province	No.	Crop Production	11,711 M Pesos	59.2 %	
Area for distribution under CARP (EP)	2,275 ha	Forestry	14 M Pesos	0.1 %	
Status of Issuance of Emancipation Patents (1990)	71.3 %	Fishery	2,002 M Pesos	10.1 %	
No. of Units	2,016 unit	Livestock	6,071 M Pesos	30.6 %	
Total Area	1,622 ha	Total	19,798 M Pesos	100.0 %	
Total No. of Farmer-Beneficiaries	1,622 no.	Share of Agricultural Sector in RGDP	23.5 %		
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989			
CISs	4 no.	Total Gross Paddy Production	65,739 tons		
CIPs	9 no.	Seeds, Feeds & Wastes	6,245 tons		
Total	13 no.	Total Net Paddy Production	59,494 tons		
<b>PHYSICAL PROFILE</b>		Milling Recovery	65 %		
Topography	Climate	Availability of Rice for Consumption	38,671 tons		
plain/flat	% Type: 1	Per capita Availability of Rice	69 Kg		
undulating/rolling	% Annual Rainfall	Total Demand for Rice	64,829 tons		
hilly/mountaneous	% wet season	Surplus	+ tons		
swamp/others	% dry season	Deficit	- 26,158 tons		
Total	% Frequency of Typhoon	2000			
Soils	Hydrology	Total Gross Paddy Production	63,412 tons		
Arable land	Estimated annual runoff	Seeds, Feeds & Wastes	6,024 tons		
Suitable for:	wet season	Total Net Paddy Production	57,388 tons		
paddy	63 % dry season	Milling Recovery	65 %		
diversified crops	37 % Annual flooded area	Availability of Rice for Consumption	37,302 tons		
		Per capita Availability of Rice	46 Kg		
		Total Demand for Rice	98,889 tons		
		Surplus	+ tons		
		Deficit	- 61,587 tons		
<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>				<b>REMARKS</b>	
Name of responsible PIO: ZAMBALES PIO					
No. of Permanent Staff				persons	
Technical/engineering staff				8 persons	
Administrative staff				10 persons	
No. of Contractual Staff				9 persons	
Total				37 persons	

PROVINCIAL IRRIGATION PROFILE		Province: PAMPANGA	Region: III	File No: 18																																																													
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																													
Land Area	2,180.7 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	81,388 ha																																																												
Population 1990	1,530,000 persons	<table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td>48,680 ha</td> <td>179,821 tons</td> <td>3.69 tons/ha</td> </tr> <tr> <td>Wet Season</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Season</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Rainfed paddy</td> <td>4,130 ha</td> <td>12,789 tons</td> <td>3.10 tons/ha</td> </tr> <tr> <td>Corn</td> <td>2,543 ha</td> <td>2,610 tons</td> <td>1.03 tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td>350 ha</td> <td>319 tons</td> <td>0.91 tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td>1,757 ha</td> <td>11,895 tons</td> <td>6.77 tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td>658 ha</td> <td>6,937 tons</td> <td>10.54 tons/ha</td> </tr> <tr> <td>Tobacco</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sugar Cane</td> <td>13,409 ha</td> <td>517 tons</td> <td>0.04 tons/ha</td> </tr> <tr> <td>Others</td> <td></td> <td></td> <td></td> </tr> <tr> <td>sub-total</td> <td>71,527 ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td>205 ha</td> <td>218 tons</td> <td>1.06 tons/ha</td> </tr> <tr> <td>Total</td> <td>71,732 ha</td> <td></td> <td></td> </tr> </tbody> </table>		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	48,680 ha	179,821 tons	3.69 tons/ha	Wet Season				Dry Season				Rainfed paddy	4,130 ha	12,789 tons	3.10 tons/ha	Corn	2,543 ha	2,610 tons	1.03 tons/ha	Leguminous crops	350 ha	319 tons	0.91 tons/ha	Tuber crops	1,757 ha	11,895 tons	6.77 tons/ha	Vegetables/fruits	658 ha	6,937 tons	10.54 tons/ha	Tobacco				Sugar Cane	13,409 ha	517 tons	0.04 tons/ha	Others				sub-total	71,527 ha			Permanent Crops	205 ha	218 tons	1.06 tons/ha	Total	71,732 ha			Status of Irrigation Development (1989)	
Crops	Cultivated Area	Production	Unit Yield																																																														
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Permanent Crops	205 ha	218 tons	1.06 tons/ha																																																														
Total	71,732 ha																																																																
Population 2000	1,769,000 persons	Ratio of Agricultural Land against Total Land		National Irrigation System (NIS)																																																													
Population Density (1990)	702 persons /sq.km	Average Cropping Intensity		No. of Systems	2 no.																																																												
Population Growth Rate	2.6 %	Average Farm Size		Irrigation Service Area	19,099 ha																																																												
Rural population (1990)	890,000 persons	Total Agricultural Production Values (1989)		Actually Irrigated Area	ha wet _____ ha dry _____ ha																																																												
Urban population (1990)	640,000 persons	Crop Production		Cropping Intensity	%																																																												
No. of Households	268,000 no.	Forestry		No. of Beneficiary Farmers	(12,933) no.																																																												
No. of Farm Households	156,000 no.	Fishery		Communal Irrigation System (CIS)																																																													
% of farm household	58 %	Livestock		No. of Systems	90 no.																																																												
RGDP (1989)	84,076 M Pesos	Total		Irrigation Service Area	18,920 ha																																																												
Per Capita RGDP (1989)	13,580 Pesos	Share of Agricultural Sector in RGDP		Actually Irrigated Area	ha wet 3,969 ha dry 251 ha																																																												
Rural	19,798 M Pesos	23.5 %		Cropping Intensity	%																																																												
Urban	64,278 M Pesos	Supply and Demand Condition of Rice		No. of Beneficiary Farmers																																																													
Rural Per Capita RGDP	5,495 Pesos	1989		Pump Irrigation System (PIS)																																																													
(Above or Below National Average per capita RGDP)		Total Gross Paddy Production		No. of Systems	9,747 no.																																																												
Above	+ %	192,530 tons		Irrigation Service Area	20,078 ha																																																												
Below	- 9.1 %	Seeds, Feeds & Wastes		Actually Irrigated Area	ha wet (38) ha dry _____ ha																																																												
Income Class of Province	1st	18,290 tons		Cropping Intensity	%																																																												
		Total Net Paddy Production		No. of Beneficiary Farmers	327 no.																																																												
		174,240 tons		% of Irrigation Development (1989)	71.4 %																																																												
		Milling Recovery		Status of Inventoried Sub-projects under SSIDP																																																													
		65 %		Existing System																																																													
		Availability of Rice for Consumption		No. of Systems	73 no.																																																												
		113,256 tons		Irrigation Service Area	11,521 ha																																																												
		Per capita Availability of Rice		Actually Irrigated Area	ha wet 6,544 ha dry 3,466 ha																																																												
		74 Kg		Cropping Intensity	%																																																												
		Total Demand for Rice		No. of Beneficiary Farmers																																																													
		176,807 tons		New Projects																																																													
		Surplus		No. of Projects	20 no.																																																												
		+ _____ tons		Irrigation Service Area	3,050 ha																																																												
		Deficit		Cropping Intensity	118 %																																																												
		- 63,551 tons		No. of Beneficiary Farmers																																																													
		2000		All of Inventoried Sub-projects																																																													
		Total Gross Paddy Production		No. of Systems/projects	93 no.																																																												
		175,070 tons		Irrigation Service Area	14,571 ha																																																												
		Seeds, Feeds & Wastes		No. of Beneficiary Farmers																																																													
		16,632 tons		Average Size of Inventoried Sub-projects																																																													
		Total Net Paddy Production		Existing system	158 ha																																																												
		158,438 tons		New projects	153 ha																																																												
		Milling Recovery																																																															
		65 %																																																															
		Availability of Rice for Consumption																																																															
		102,985 tons																																																															
		Per capita Availability of Rice																																																															
		58 Kg																																																															
		Total Demand for Rice																																																															
		214,540 tons																																																															
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		+ _____ tons																																																															
		Deficit																																																															
		- 111,555 tons																																																															
<b>RELATION WITH CARP</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>																																																													
CARP Priority Province	Yes			Name of responsible PIO: PAMPANGA PIO																																																													
Area for distribution under CARP (EP)	23,074 ha			No. of Permanent Staff																																																													
Status of Issuance of Emancipation Patents (1990)	72.1 %			Technical/engineering staff																																																													
No. of Units	13,789 unit			Administrative staff																																																													
Total Area	16,638 ha			No. of Contractual Staff																																																													
Total No. of Farmer-Beneficiaries	10,994 no.			Total																																																													
No. of CISs/CIPs for implementation under CARP-IC																																																																	
CISs	18 no. 3,294 ha																																																																
CIPs	21 no. 2,537 ha																																																																
Total	39 no. 5,831 ha																																																																
<b>PHYSICAL PROFILE</b>				<b>REMARKS</b>																																																													
Topography	Climate																																																																
plain/flat	Type: I																																																																
undulating/rolling	Annual Rainfall																																																																
hilly/mountaneous	wet season																																																																
swamp/others	dry season																																																																
Total	Frequency of Typhoon																																																																
Soils	Hydrology																																																																
Arable land	Estimated annual runoff																																																																
Suitable for:	wet season																																																																
paddy	dry season																																																																
diversified crops	Annual flooded area																																																																

PROVINCIAL IRRIGATION PROFILE		Province: BULACAN		Region: III		File No: 19	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>			
Land Area <u>2,625.0</u> sq.km		Agricultural Land Use (1989)		Potential Irrigable Area <u>54,192</u> ha			
Population 1990 <u>1,504,000</u> persons		Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)			
Population 2000 <u>2,259,000</u> persons		Irrigated Paddy <u>58,890</u> ha <u>249,708</u> tons <u>4.24</u> tons/ha		National Irrigation System (NIS)			
Population Density (1990) <u>573</u> persons /sq.km		Wet Season _____ ha _____ tons _____ tons/ha		No. of Systems <u>1</u> no.			
Population Growth Rate <u>3.2</u> %		Dry Season _____ ha _____ tons _____ tons/ha		Irrigation Service Area <u>28,653</u> ha			
Rural population (1990) <u>875,000</u> persons <u>58</u> %		Rainfed paddy <u>25,740</u> ha <u>92,775</u> tons <u>3.60</u> tons/ha		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha			
Urban population (1990) <u>629,000</u> persons <u>42</u> %		Corn <u>1,000</u> ha <u>1,427</u> tons <u>1.43</u> tons/ha		Cropping Intensity _____ %			
No. of Households <u>287,000</u> no.		Leguminous crops <u>208</u> ha <u>104</u> tons <u>0.50</u> tons/ha		No. of Beneficiary Farmers <u>18,947</u> no.			
No. of Farm Households <u>168,000</u> no.		Tuber crops <u>243</u> ha <u>1,341</u> tons <u>5.52</u> tons/ha		Communal Irrigation System (CIS)			
% of farm household <u>58</u> %		Vegetables/fruits <u>1,904</u> ha <u>24,856</u> tons <u>13.05</u> tons/ha		No. of Systems <u>35</u> no.			
RGDP (1989) <u>84,076 M</u> Pesos		Tobacco _____ ha _____ tons _____ tons/ha		Irrigation Service Area <u>4,217</u> ha			
Per Capita RGDP (1989) <u>13,580</u> Pesos		Sugar Cane _____ ha _____ tons _____ tons/ha		Actually Irrigated Area <u>1,405</u> ha wet <u>1,394</u> ha dry <u>1,405</u> ha			
Rural <u>19,798 M</u> Pesos <u>23.5</u> %		Others _____ ha _____ tons _____ tons/ha		Cropping Intensity <u>66</u> %			
Urban <u>64,278 M</u> Pesos <u>76.5</u> %		sub-total <u>87,985</u> ha		No. of Beneficiary Farmers <u>2,271</u> no.			
Rural Per Capita RGDP <u>5,495</u> Pesos		Permanent Crops <u>692</u> ha <u>1,596</u> tons <u>0.76</u> tons/ha		Pump Irrigation System (PIS)			
(Above or Below National Average per capita RGDP)		Total <u>88,677</u> ha		No. of Systems <u>1,730</u> no.			
Above + _____ %		Ratio of Agricultural Land against Total Land <u>32.0</u> %		Irrigation Service Area <u>7,570</u> ha			
Below - <u>9.1</u> %		Average Cropping Intensity <u>105.5</u> %		Actually Irrigated Area <u>5,630</u> ha wet <u>5,630</u> ha dry <u>5,199</u> ha			
Income Class of Province <u>1st</u>		Average Farm Size <u>0.5</u> ha		Cropping Intensity <u>143</u> %			
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989) <u>74.6</u> %			
CARP Priority Province No		Crop Production <u>11,711 M</u> Pesos <u>59.2</u> %		Status of Inventoried Sub-projects under SIDP			
Area for distribution under CARP (EP) <u>15,231</u> ha		Forestry <u>14 M</u> Pesos <u>0.1</u> %		Existing System			
Status of Issuance of Emancipation Patents (1990)		Fishery <u>2,002 M</u> Pesos <u>10.1</u> %		No. of Systems <u>18</u> no.			
No. of Units <u>7,748</u> unit		Livestock <u>6,071 M</u> Pesos <u>30.6</u> %		Irrigation Service Area <u>2,568</u> ha			
Total Area <u>10,455</u> ha		Total <u>19,798 M</u> Pesos <u>100.0</u> %		Actually Irrigated Area <u>981</u> ha wet <u>981</u> ha dry <u>1,308</u> ha			
Total No. of Farmer-Beneficiaries <u>5,919</u> no.		Share of Agricultural Sector in RGDP <u>23.5</u> %		Cropping Intensity <u>203</u> %			
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		No. of Beneficiary Farmers _____ no.			
CISs <u>13</u> no. <u>1,520</u> ha		1989		New Projects			
CIPs <u>5</u> no. <u>910</u> ha		Total Gross Paddy Production <u>342,483</u> tons		No. of Projects <u>4</u> no.			
Total <u>18</u> no. <u>2,430</u> ha		Seeds, Feeds & Wastes <u>32,536</u> tons		Irrigation Service Area <u>420</u> ha wet <u>420</u> ha dry <u>400</u> ha			
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production <u>309,947</u> tons		Cropping Intensity _____ %			
Topography Climate		Milling Recovery <u>65</u> %		No. of Beneficiary Farmers _____ no.			
plain/flat _____ % Type: <u>I (IV)</u>		Availability of Rice for Consumption <u>201,466</u> tons		All of Inventoried Sub-projects			
undulating/rolling _____ % Annual Rainfall <u>2,555</u> mm		Per capita Availability of Rice <u>134</u> Kg		No. of Systems/projects <u>22</u> no.			
hilly/mountaneous _____ % wet season _____ mm		Total Demand for Rice <u>173,802</u> tons		Irrigation Service Area <u>2,988</u> ha			
swamp/others _____ % dry season _____ mm		Surplus <u>27,663</u> tons		No. of Beneficiary Farmers _____ no.			
Total _____ % Frequency of Typhoon _____ %		Deficit _____ tons		Average Size of Inventoried Sub-projects _____ ha			
Soils Hydrology		2000		Existing system <u>143</u> ha			
Arable land <u>840.34</u> sq.km Estimated annual runoff _____ MCM		Total Gross Paddy Production <u>291,057</u> tons		New projects <u>105</u> ha			
Suitable for: wet season _____ MCM		Seeds, Feeds & Wastes <u>27,650</u> tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>			
paddy <u>84</u> % dry season _____ MCM		Total Net Paddy Production <u>263,407</u> tons		Name of responsible PIO: <u>BULACAN PIO</u>			
diversified crops <u>16</u> % Annual flooded area _____ sq.km		Milling Recovery <u>65</u> %		No. of Permanent Staff _____ persons			
		Availability of Rice for Consumption <u>171,214</u> tons		Technical/engineering staff <u>11</u> persons			
		Per capita Availability of Rice <u>76</u> Kg		Administrative staff <u>5</u> persons			
		Total Demand for Rice <u>273,987</u> tons		No. of Contractual Staff <u>31</u> persons			
		Surplus <u>102,773</u> tons		Total <u>47</u> persons			
		Deficit _____ tons		<b>REMARKS</b>			

PROVINCIAL IRRIGATION PROFILE		Province: BATAAN	Region: III	File No: 20	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	1,372.96 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	10,209 ha
Population 1990	426,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)	
Population 2000	556,000 persons	Irrigated Paddy 16,790 ha 59,455 tons 3.54 tons/ha		National Irrigation System (NIS)	
Population Density (1990)	310 persons /sq.km	Wet Season _____ ha _____ tons _____ tons/ha		No. of Systems	2 no.
Population Growth Rate	2.8 %	Dry Season _____ ha _____ tons _____ tons/ha		Irrigation Service Area	540 ha
Rural population (1990)	248,000 persons 58 %	Rainfed paddy 70 ha 150 tons 2.14 tons/ha		Actually Irrigated Area	_____ ha wet _____ ha dry _____ ha
Urban population (1990)	178,000 persons _____ %	Corn 350 ha 192 tons 0.55 tons/ha		Cropping Intensity	_____ %
No. of Households	81,000 no.	Leguminous crops 70 ha 52 tons 0.74 tons/ha		No. of Beneficiary Farmers	_____ no.
No. of Farm Households	48,000 no.	Tuber crops 736 ha 1,383 tons 1.88 tons/ha		Communal Irrigation System (CIS)	
% of farm household	59 %	Vegetables/fruits 294 ha 2,230 tons 24.59 tons/ha		No. of Systems	76 no.
RGDP (1989)	84,076 M Pesos	Tobacco _____ ha _____ tons _____ tons/ha		Irrigation Service Area	6,291 ha
Per Capita RGDP (1989)	13,580 Pesos	Sugar Cane _____ ha _____ tons _____ tons/ha		Actually Irrigated Area	5,789 ha wet _____ ha dry _____ ha
Rural	19,798 M Pesos 23.5 %	Others _____ ha _____ tons _____ tons/ha		Cropping Intensity	_____ %
Urban	64,278 M Pesos 76.5 %	sub-total 18,310 ha		No. of Beneficiary Farmers	3,429 no.
Rural Per Capita RGDP	5,495 Pesos	Permanent Crops 675 ha 345 tons 0.51 tons/ha		Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total 18,985 ha		No. of Systems	305 no.
Above + _____ %		Ratio of Agricultural Land against Total Land 43.9 %		Irrigation Service Area	1,067 ha
Below - 9.1 %		Average Cropping Intensity 31.5 %		Actually Irrigated Area	_____ ha wet _____ ha dry _____ ha
Income Class of Province	2nd	Average Farm Size 0.7 ha		Cropping Intensity	_____ %
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		No. of Beneficiary Farmers	_____ no.
CARP Priority Province	No	Crop Production 11,711 M Pesos 59.2 %		% of Irrigation Development (1989)	77.4 %
Area for distribution under CARP (EP)	966 ha	Forestry 14 M Pesos 0.1 %		Status of Inventoried Sub-projects under SSIDP	
Status of Issuance of Emancipation Patents (1990)	168.7 %	Fishery 2,002 M Pesos 10.1 %		Existing System	
No. of Units	1,661 unit	Livestock 6,071 M Pesos 30.6 %		No. of Systems	30 no.
Total Area	1,630 ha	Total 19,798 M Pesos 100.0 %		Irrigation Service Area	3,932 ha
Total No. of Farmer-Beneficiaries	1,183 no.	Share of Agricultural Sector in RGDP _____ %		Actually Irrigated Area	3,350 ha wet 3,350 ha dry 2,659 ha
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		Cropping Intensity	178 %
CISs	7 no. 4,550 ha	1989		No. of Beneficiary Farmers	_____ no.
CIPs	12 no. 2,527 ha	Total Gross Paddy Production 59,605 tons		New Projects	
Total	19 no. 7,077 ha	Seeds, Feeds&Wastes 5,662 tons		No. of Projects	0 no.
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production 53,943 tons		Irrigation Service Area	0 ha wet 0 ha dry 0 ha
Topography	Climate	Milling Recovery 65 %		Cropping Intensity	_____ %
plain/flat 19.1 %	Type: I	Availability of Rice for Consumption 35,063 tons		No. of Beneficiary Farmers	_____ no.
undulating/rolling _____ %	Annual Rainfall 2,555 mm	Per capita Availability of Rice 82 Kg		All of Inventoried Sub-projects	
hilly/mountaneous 80.9 %	wet season _____ mm	Total Demand for Rice 49,229 tons		No. of Systems/projects	30 no.
swamp/others _____ %	dry season _____ mm	Surplus + _____ tons		Irrigation Service Area	3,932 ha
Total 100 %	Frequency of Typhoon _____ %	Deficit - 14,166 tons		No. of Beneficiary Farmers	_____ no.
Soils	Hydrology	2000		Average Size of Inventoried Sub-projects	_____ ha
Arable land 602.77 sq.km	Estimated annual runoff _____ MCM	Total Gross Paddy Production 60,052 tons		Existing system	131 ha
Suitable for:	wet season _____ MCM	Seeds, Feeds&Wastes 5,705 tons		New projects	0 ha
paddy 23 %	dry season _____ MCM	Total Net Paddy Production 54,347 tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
diversified crops 77 %	Annual flooded area _____ sq.km	Milling Recovery 65 %		Name of responsible PIO: BATAAN PIO	
(Includes open grassland)		Availability of Rice for Consumption 35,326 tons		No. of Permanent Staff 18 persons	
		Per capita Availability of Rice 63 Kg		Technical/engineering staff _____ persons	
		Total Demand for Rice 67,486 tons		Administrative staff _____ persons	
		Surplus + _____ tons		No. of Contractual Staff 19 persons	
		Deficit - 32,160 tons		Total 37 persons	
				<b>REMARKS</b>	

PROVINCIAL IRRIGATION PROFILE		Province: AURORA	Region: IV	File No: 21																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>3,239.5</u> sq.km Population 1990 <u>140,000</u> persons 2000 <u>324,000</u> persons Population Density (1990) <u>43</u> persons /sq.km Population Growth Rate <u>2.7</u> % Rural population (1990) <u>88,000</u> persons <u>62.8</u> % Urban population (1990) <u>52,000</u> persons <u>37.2</u> %  No. of Households <u>26,000</u> no. No. of Farm Households <u>17,000</u> no. % of farm household <u>65</u> %  RGDP (1989) <u>130,649 M</u> Pesos Per Capita RGDP (1989) <u>15,811</u> Pesos Rural <u>33,614 M</u> Pesos <u>25.7</u> % Urban <u>97,035 M</u> Pesos <u>74.3</u> % Rural Per Capita RGDP <u>6,447</u> Pesos (Above or Below National Average per capita RGDP) Above + <u>6.7</u> % Below - _____ %  Income Class of Province <u>5th</u>		<b>Agricultural Land Use (1989)</b> <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>13,240</u> ha</td> <td><u>33,452</u> tons</td> <td><u>2.53</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>180</u> ha</td> <td><u>202</u> tons</td> <td><u>1.12</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>378</u> ha</td> <td><u>438</u> tons</td> <td><u>1.16</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>196</u> ha</td> <td><u>770</u> tons</td> <td><u>3.93</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>179</u> ha</td> <td><u>1,082</u> tons</td> <td><u>6.04</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>14,173</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>27,114</u> ha</td> <td><u>75,962</u> tons</td> <td><u>2.77</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>41,287</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>25.1</u> % Average Cropping Intensity <u>50.8</u> % Average Farm Size <u>4.8</u> ha  <b>Total Agricultural Production Values (1989)</b> Crop Production <u>13,738 M</u> Pesos <u>40.8</u> % Forestry <u>768 M</u> Pesos <u>2.3</u> % Fishery <u>6,889 M</u> Pesos <u>20.5</u> % Livestock <u>12,219 M</u> Pesos <u>36.4</u> % Total <u>33,614 M</u> Pesos <u>100.0</u> %  Share of Agricultural Sector in RGDP <u>25.7</u> %  <b>Supply and Demand Condition of Rice</b> 1989 Total Gross Paddy Production <u>33,452</u> tons Seeds, Feeds&Wastes <u>3,178</u> tons Total Net Paddy Production <u>30,274</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>19,678</u> tons Per capita Availability of Rice <u>141</u> Kg Total Demand for Rice <u>17,672</u> tons Surplus + <u>2,006</u> tons Deficit - _____ tons 2000 Total Gross Paddy Production <u>33,659</u> tons Seeds, Feeds&Wastes <u>3,198</u> tons Total Net Paddy Production <u>30,461</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>19,800</u> tons Per capita Availability of Rice <u>61</u> Kg Total Demand for Rice <u>42,951</u> tons Surplus + _____ tons Deficit - <u>23,152</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>13,240</u> ha	<u>33,452</u> tons	<u>2.53</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>180</u> ha	<u>202</u> tons	<u>1.12</u> tons/ha	Leguminous crops	<u>378</u> ha	<u>438</u> tons	<u>1.16</u> tons/ha	Tuber crops	<u>196</u> ha	<u>770</u> tons	<u>3.93</u> tons/ha	Vegetables/fruits	<u>179</u> ha	<u>1,082</u> tons	<u>6.04</u> tons/ha	Tobacco	_____ ha	_____ tons	_____ tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>14,173</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>27,114</u> ha	<u>75,962</u> tons	<u>2.77</u> tons/ha	Total	<u>41,287</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>11,753</u> ha  <b>Status of Irrigation Development (1989)</b> <b>National Irrigation System (NIS)</b> No. of Systems <u>1</u> no. Irrigation Service Area <u>490</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers <u>(471)</u> no. <b>Communal Irrigation System (CIS)</b> No. of Systems <u>39</u> no. Irrigation Service Area <u>6,263</u> ha Actually Irrigated Area <u>2,654</u> ha wet <u>2,654</u> ha dry <u>1,187</u> ha Cropping Intensity <u>61</u> % No. of Beneficiary Farmers _____ no. <b>Pump Irrigation System (PIS)</b> No. of Systems <u>18</u> no. Irrigation Service Area <u>76</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no.  % of Irrigation Development (1989) <u>58.1</u> %  <b>Status of Inventoried Sub-projects under SIDP</b> <b>Existing System</b> No. of Systems <u>39</u> no. Irrigation Service Area <u>6,190</u> ha Actually Irrigated Area <u>4,432</u> ha wet <u>4,432</u> ha dry <u>3,419</u> ha Cropping Intensity <u>171</u> % No. of Beneficiary Farmers _____ no. <b>New Projects</b> No. of Projects <u>10</u> no. Irrigation Service Area <u>1,421</u> ha wet <u>1,421</u> ha dry <u>1,421</u> ha Cropping Intensity <u>153</u> % No. of Beneficiary Farmers _____ no. <b>All of Inventoried Sub-projects</b> No. of Systems/projects <u>49</u> no. Irrigation Service Area <u>7,611</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>159</u> ha New projects <u>142</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
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CARP Priority Province No _____ Area for distribution under CARP (EP) <u>74</u> ha Status of Issuance of Emancipation Patents (1990) <u>401.3</u> % No. of Units <u>334</u> unit Total Area <u>297</u> ha Total No. of Farmer-Beneficiaries <u>282</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>4</u> no. <u>2,575</u> ha CIPs <u>13</u> no. <u>1,860</u> ha Total <u>17</u> no. <u>4,435</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
<b>Topography</b> plain/flat _____ % Type: <u>IV</u> undulating/rolling _____ % Annual Rainfall <u>2,834</u> mm hilly/mountaneous _____ % wet season _____ mm swamp/others _____ % dry season _____ mm Total _____ % Frequency of Typhoon _____ %  <b>Soils</b> Arable land <u>812.00</u> sq.km Estimated annual runoff _____ MCM Suitable for: paddy <u>5</u> % dry season _____ MCM diversified crops <u>52</u> % Annual flooded area _____ sq.km Uncultivated <u>43</u> %																																																																
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b> Name of responsible PIO: <u>AURORA PIO</u> No. of Permanent Staff _____ persons Technical/engineering staff <u>7</u> persons Administrative staff <u>5</u> persons No. of Contractual Staff <u>45</u> persons Total <u>57</u> persons																																																												
				<b>REMARKS</b>																																																												

PROVINCIAL IRRIGATION PROFILE		Province: QUEZON	Region: IV	File No: 22			
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>			
Land Area	8,706.7 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	21,048 ha		
Population 1990	1,373,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)			
Population 2000	1,670,000 persons	Irrigated Paddy	84,340 ha	195,633 tons	2.32 tons/ha	National Irrigation System (NIS)	
Population Density (1990)	158 persons /sq.km	Wet Season				No. of Systems	4 no.
Population Growth Rate	2.0 %	Dry Season				Irrigation Service Area	4,814 ha
Rural population (1990)	866,000 persons	Rainfed paddy				Actually Irrigated Area	ha wet _____ ha dry _____ ha
Urban population (1990)	507,000 persons	Corn	13,210 ha	12,898 tons	0.98 tons/ha	Cropping Intensity	%
No. of Households	266,000 no.	Leguminous crops	983 ha	764 tons	0.78 tons/ha	No. of Beneficiary Farmers	(2,681) no.
No. of Farm Households	170,000 no.	Tuber crops	9,124 ha	45,201 tons	4.95 tons/ha	Communal Irrigation System (CIS)	
% of farm household	64 %	Vegetables/fruits	19,958 ha	74,334 tons	3.72 tons/ha	No. of Systems	134 no.
RGDP (1989)	130,649 M Pesos	Tobacco				Irrigation Service Area	6,168 ha
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane				Actually Irrigated Area	5,420 ha wet 5,420 ha dry 4,959 ha
Rural	33,614 M Pesos 25.7 %	Others				Cropping Intensity	168 %
Urban	97,035 M Pesos 74.3 %	sub-total	127,615 ha			No. of Beneficiary Farmers	no.
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	271,814 ha	1,191,216 tons	4.38 tons/ha	Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total	399,429 ha			No. of Systems	629 no.
Above + 6.7 %		Ratio of Agricultural Land against Total Land	50.6 %			Irrigation Service Area	3,367 ha
Below - %		Average Cropping Intensity	90.6 %			Actually Irrigated Area	ha wet _____ ha dry _____ ha
Income Class of Province	1st	Average Farm Size	2.6 ha			Cropping Intensity	%
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989)		68.2 %	
CARP Priority Province	Yes	Crop Production	13,738 M Pesos 40.8 %	Status of Inventoried Sub-projects under SSIDP			
Area for distribution under CARP (EP)	3,066 ha	Forestry	768 M Pesos 2.3 %	Existing System			
Status of Issuance of Emancipation Patents (1990)	95.7 %	Fishery	6,889 M Pesos 20.5 %	No. of Systems	38 no.		
No. of Units	3,918 unit	Livestock	12,219 M Pesos 36.4 %	Irrigation Service Area	3,875 ha		
Total Area	2,935 ha	Total	33,614 M Pesos 100.0 %	Actually Irrigated Area	3,453 ha wet 3,453 ha dry 3,432 ha		
Total No. of Farmer-Beneficiaries	3,227 no.	Share of Agricultural Sector in RGDP	25.7 %	Cropping Intensity	196 %		
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989		No. of Beneficiary Farmers	no.		
CISs	12 no. 622 ha	Total Gross Paddy Production	195,633 tons	New Projects			
CIPs	14 no. 1,910 ha	Seeds, Feeds&Wastes	18,585 tons	No. of Projects	16 no.		
Total	26 no. 2,532 ha	Total Net Paddy Production	177,048 tons	Irrigation Service Area	1,376 ha wet 1,376 ha dry 1,376 ha		
<b>PHYSICAL PROFILE</b>		Milling Recovery	65 %	Cropping Intensity	66 %		
Topography	Climate	Availability of Rice for Consumption	115,081 tons	No. of Beneficiary Farmers	no.		
plain/flat	69.11 % Type: II, III, IV	Per capita Availability of Rice	84 Kg	All of Inventoried Sub-projects			
undulating/rolling	16.21 % Annual Rainfall	Total Demand for Rice	173,314 tons	No. of Systems/projects	54 no.		
hilly/mountaneous	14.63 % wet season	Surplus	+ _____ tons	Irrigation Service Area	5,251 ha		
swamp/others	0.05 % dry season distributed	Deficit	- 58,233 tons	No. of Beneficiary Farmers	no.		
Total	100 % Frequency of Typhoon	2000		Average Size of Inventoried Sub-projects			
Soils	Hydrology	Total Gross Paddy Production	180,339 tons	Existing system	102 ha		
Arable land	4,407.32 sq.km Estimated annual runoff	Seeds, Feeds&Wastes	17,132 tons	New projects	86 ha		
Suitable for:	wet season	Total Net Paddy Production	163,207 tons	<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>	
paddy	6.6 % dry season	Milling Recovery	65 %	Name of responsible PIO:	QUEZON PIO		
diversified crops	91 % Annual flooded area	Availability of Rice for Consumption	106,084 tons	No. of Permanent Staff	_____ persons		
Uncultivated	2.4 %	Per capita Availability of Rice	64 Kg	Technical/engineering staff	10 persons		
		Total Demand for Rice	221,278 tons	Administrative staff	12 persons		
		Surplus	+ _____ tons	No. of Contractual Staff	59 persons		
		Deficit	- 115,194 tons	Total	81 persons		



PROVINCIAL IRRIGATION PROFILE		Province: RIZAL	Region: IV	File No: 23																																																													
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																													
Land Area	1,308.9 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	5,865 ha																																																												
Population 1990	973,000 persons	<table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td>7,380 ha</td> <td>24,814 tons</td> <td>3.36 tons/ha</td> </tr> <tr> <td>Wet Season</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Season</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Rainfed paddy</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Corn</td> <td>1,820 ha</td> <td>1,290 tons</td> <td>0.71 tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td>156 ha</td> <td>56 tons</td> <td>0.36 tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td>282 ha</td> <td>2,450 tons</td> <td>8.69 tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td>755 ha</td> <td>4,276 tons</td> <td>5.66 tons/ha</td> </tr> <tr> <td>Tobacco</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sugar Cane</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Others</td> <td></td> <td></td> <td></td> </tr> <tr> <td>sub-total</td> <td>10,393 ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td>455 ha</td> <td>2,020 tons</td> <td>4.44 tons/ha</td> </tr> <tr> <td>Total</td> <td>10,848 ha</td> <td></td> <td></td> </tr> </tbody> </table>		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	7,380 ha	24,814 tons	3.36 tons/ha	Wet Season				Dry Season				Rainfed paddy				Corn	1,820 ha	1,290 tons	0.71 tons/ha	Leguminous crops	156 ha	56 tons	0.36 tons/ha	Tuber crops	282 ha	2,450 tons	8.69 tons/ha	Vegetables/fruits	755 ha	4,276 tons	5.66 tons/ha	Tobacco				Sugar Cane				Others				sub-total	10,393 ha			Permanent Crops	455 ha	2,020 tons	4.44 tons/ha	Total	10,848 ha			Status of Irrigation Development (1989)	
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Population 2000	1,287,000 persons	Ratio of Agricultural Land against Total Land		National Irrigation System (NIS)																																																													
Population Density (1990)	743 persons /sq.km	Average Cropping Intensity		No. of Systems	NONE no.																																																												
Population Growth Rate	5.8 %	Average Farm Size		Irrigation Service Area																																																													
Rural population (1990)	614,000 persons 63 %			Actually Irrigated Area																																																													
Urban population (1990)	359,000 persons 37 %			Cropping Intensity																																																													
No. of Households	186,000 no.	Total Agricultural Production Values (1989)		No. of Beneficiary Farmers																																																													
No. of Farm Households	118,000 no.	Crop Production		Communal Irrigation System (CIS)																																																													
% of farm household	63 %	Forestry		No. of Systems	60 no.																																																												
RGDP (1989)	130,649 M Pesos	Fishery		Irrigation Service Area	3,139 ha																																																												
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		15 Kg		New Projects																																																													
		Total Demand for Rice		No. of Projects	1 no.																																																												
		122,822 tons		Irrigation Service Area	75 ha																																																												
		Surplus		Cropping Intensity	40 %																																																												
		+ 108,225 tons		No. of Beneficiary Farmers																																																													
		Deficit		All of Inventoried Sub-projects																																																													
		- 108,225 tons		No. of Systems/projects	20 no.																																																												
		2000		Irrigation Service Area	1,844 ha																																																												
		Total Gross Paddy Production		No. of Beneficiary Farmers																																																													
		23,637 tons		Average Size of Inventoried Sub-projects																																																													
		Seeds, Feeds&Wastes		Existing system	93 ha																																																												
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CARP Priority Province	No			Name of responsible PIO: RIZAL PIO																																																													
Area for distribution under CARP (EP)	4,383 ha			No. of Permanent Staff																																																													
Status of Issuance of Emancipation Patents (1990)	71.6 %			Technical/engineering staff																																																													
No. of Units	4,534 unit			Administrative staff																																																													
Total Area	3,139 ha			No. of Contractual Staff																																																													
Total No. of Farmer-Beneficiaries	3,684 no.			Total																																																													
No. of CISs/CIPs for implementation under CARP-IC																																																																	
CISs	7 no. 323 ha																																																																
CIPs	18 no. 1,658 ha																																																																
Total	25 no. 1,981 ha																																																																
<b>PHYSICAL PROFILE</b>				<b>REMARKS</b>																																																													
Topography	Climate																																																																
plain/flat	Type: I (IV)																																																																
undulating/rolling	Annual Rainfall																																																																
hilly/mountaneous	wet season																																																																
swamp/others	dry season																																																																
Total	Frequency of Typhoon																																																																
Soils	Hydrology																																																																
Arable land	Estimated annual runoff																																																																
Suitable for:	wet season																																																																
paddy	dry season																																																																
diversified crops	Annual flooded area																																																																
Uncultivated																																																																	

PROVINCIAL IRRIGATION PROFILE		Province: CAVITE	Region: IV	File No: 24
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>
Land Area	1,287.6 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area
Population 1990	1,153,000 persons	Crops Cultivated Area Production Unit Yield		20,344 ha
Population 2000	1,540,000 persons	Irrigated Paddy 16,240 ha 49,451 tons 3.05 tons/ha		Status of Irrigation Development (1989)
Population Density (1990)	895 persons /sq.km	Wet Season _____ ha _____ tons _____ tons/ha		National Irrigation System (NIS)
Population Growth Rate	4.1 %	Dry Season _____ ha _____ tons _____ tons/ha		No. of Systems
Rural population (1990)	728,000 persons 63 %	Rainfed paddy _____ ha _____ tons _____ tons/ha		Irrigation Service Area
Urban population (1990)	425,000 persons 37 %	Corn 13,920 ha 15,802 tons 1.14 tons/ha		14,708 ha
No. of Households	222,000 no.	Leguminous crops 834 ha 311 tons 0.37 tons/ha		Actually Irrigated Area
No. of Farm Households	140,000 no.	Tuber crops 965 ha 3,607 tons 3.74 tons/ha		13,985 ha
% of farm household	63 %	Vegetables/fruits 9,400 ha 54,791 tons 5.83 tons/ha		Cropping Intensity
RGDP (1989)	130,649 M Pesos	Tobacco 12 ha 5 tons 0.42 tons/ha		_____ %
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane _____ ha _____ tons _____ tons/ha		No. of Beneficiary Farmers
Rural	33,614 M Pesos 25.7 %	Others _____ ha _____ tons _____ tons/ha		4,768 no.
Urban	97,035 M Pesos 74.3 %	sub-total 41,371 ha		Communal Irrigation System (CIS)
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops 39,112 ha 41,378 tons 1.06 tons/ha		No. of Systems
(Above or Below National Average per capita RGDP)		Total 80,483 ha		3 no.
Above + 6.7 %		Ratio of Agricultural Land against Total Land 77.5 %		Irrigation Service Area
Below - _____ %		Average Cropping Intensity 80.6 %		245 ha
Income Class of Province	2nd	Average Farm Size 0.7 ha		Actually Irrigated Area
		Total Agricultural Production Values (1989)		245 ha
		Crop Production 13,738 M Pesos 40.8 %		Cropping Intensity
		Forestry 768 M Pesos 2.3 %		_____ %
		Fishery 6,889 M Pesos 20.5 %		No. of Beneficiary Farmers
		Livestock 12,219 M Pesos 36.4 %		_____ no.
		Total 33,614 M Pesos 100.0 %		200 no.
		Share of Agricultural Sector in RGDP 25.7 %		Pump Irrigation System (PIS)
		Supply and Demand Condition of Rice 1989		No. of Systems
		Total Gross Paddy Production 49,451 tons		393 no.
		Seeds, Feeds & Wastes 4,698 tons		Irrigation Service Area
		Total Net Paddy Production 44,753 tons		2,751 ha
		Milling Recovery 65 %		Actually Irrigated Area
		Availability of Rice for Consumption 29,090 tons		_____ ha
		Per capita Availability of Rice 25 Kg		Cropping Intensity
		Total Demand for Rice 145,543 tons		_____ %
		Surplus _____ tons		No. of Beneficiary Farmers
		Deficit 116,454 tons		_____ no.
		2000		New Projects
		Total Gross Paddy Production 43,741 tons		No. of Projects
		Seeds, Feeds & Wastes 4,155 tons		6 no.
		Total Net Paddy Production 39,586 tons		Irrigation Service Area
		Milling Recovery 65 %		595 ha
		Availability of Rice for Consumption 25,731 tons		Actually Irrigated Area
		Per capita Availability of Rice 17 Kg		_____ ha
		Total Demand for Rice 204,078 tons		Cropping Intensity
		Surplus _____ tons		_____ %
		Deficit 178,347 tons		No. of Beneficiary Farmers
				_____ no.
				All of Inventoried Sub-projects
				No. of Systems/projects
				11 no.
				Irrigation Service Area
				1,191 ha
				No. of Beneficiary Farmers
				_____ no.
				Average Size of Inventoried Sub-projects
				_____ ha
				Existing system
				119 ha
				New projects
				99 ha
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>
Topography	Climate			<b>REMARKS</b>
plain/flat _____ %	Type: _____			Name of responsible PIO: CAVITE PIO
undulating/rolling _____ %	Annual Rainfall 1,961 mm			No. of Permanent Staff _____ persons
hilly/mountaneous _____ %	wet season _____ mm			Technical/engineering staff 6 persons
swamp/others _____ %	dry season _____ mm			Administrative staff 6 persons
Total _____ %	Frequency of Typhoon _____ %			No. of Contractual Staff 29 persons
Soils	Hydrology			Total 41 persons
Arable land 998.21 sq.km	Estimated annual runoff _____ MCM			
Suitable for:	wet season _____ MCM			
paddy 23 %	dry season _____ MCM			
diversified crops 73 %	Annual flooded area _____ sq.km			
Uncultivated 4 %				

PROVINCIAL IRRIGATION PROFILE		Province: LAGUNA	Region: IV	File No: 25
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>
Land Area	1,759.7 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area
Population 1990	1,374,000 persons	Crops Cultivated Area Production Unit Yield		19,877 ha
Population 2000	1,752,000 persons	Irrigated Paddy	30,840 ha 119,146 tons 3.86 tons/ha	Status of Irrigation Development (1989)
Population Density (1990)	781 persons /sq.km	Wet Season	ha tons tons/ha	National Irrigation System (NIS)
Population Growth Rate	3.5 %	Dry Season	ha tons tons/ha	No. of Systems
Rural population (1990)	867,000 persons 63 %	Rainfed paddy	3,650 ha 7,780 tons 2.13 tons/ha	Irrigation Service Area
Urban population (1990)	507,000 persons 37 %	Corn	14,090 ha 27,373 tons 1.94 tons/ha	Actually Irrigated Area
No. of Households	270,000 no.	Leguminous crops	29 ha 28 tons 0.97 tons/ha	Cropping Intensity
No. of Farm Households	170,000 no.	Tuber crops	531 ha 5,458 tons 10.28 tons/ha	No. of Beneficiary Farmers
% of farm household	63 %	Vegetables/fruits	4,098 ha 26,688 tons 6.51 tons/ha	Communal Irrigation System (CIS)
RGDP (1989)	130,649 M Pesos	Tobacco	ha tons tons/ha	No. of Systems
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane	9,638 ha 614 tons 0.06 tons/ha	Irrigation Service Area
Rural	33,614 M Pesos 25.7 %	Others	ha tons tons/ha	Actually Irrigated Area
Urban	97,035 M Pesos 74.3 %	sub-total	62,876 ha	Cropping Intensity
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	78,790 ha 115,109 tons 1.46 tons/ha	No. of Beneficiary Farmers
(Above or Below National Average per capita RGDP)		Total	141,666 ha	Pump Irrigation System (PIS)
Above +	6.7 %	Ratio of Agricultural Land against Total Land	59.0 %	No. of Systems
Below -	%	Average Cropping Intensity	136.3 %	Irrigation Service Area
Income Class of Province	1st	Average Farm Size	0.6 ha	Actually Irrigated Area
		Total Agricultural Production Values (1989)		Cropping Intensity
		Crop Production	13,738 M Pesos 40.8 %	No. of Beneficiary Farmers
		Forestry	768 M Pesos 2.3 %	% of Irrigation Development (1989)
		Fishery	6,889 M Pesos 20.5 %	92.5 %
		Livestock	12,219 M Pesos 36.4 %	Status of Inventoried Sub-projects under SSIDP
		Total	33,614 M Pesos 100.0 %	Existing System
		Share of Agricultural Sector in RGDP	25.7 %	No. of Systems
		Supply and Demand Condition of Rice 1989		Irrigation Service Area
		Total Gross Paddy Production	126,926 tons	Actually Irrigated Area
		Seeds, Feeds&Wastes	12,058 tons	Cropping Intensity
		Total Net Paddy Production	114,868 tons	No. of Beneficiary Farmers
		Milling Recovery	65 %	New Projects
		Availability of Rice for Consumption	74,664 tons	No. of Projects
		Per capita Availability of Rice	54 Kg	Irrigation Service Area
		Total Demand for Rice	173,440 tons	Actually Irrigated Area
		Surplus	+ tons	Cropping Intensity
		Deficit	- 98,776 tons	No. of Beneficiary Farmers
		2000		All of Inventoried Sub-projects
		Total Gross Paddy Production	122,059 tons	No. of Systems/projects
		Seeds, Feeds&Wastes	11,596 tons	Irrigation Service Area
		Total Net Paddy Production	110,463 tons	Actually Irrigated Area
		Milling Recovery	65 %	Cropping Intensity
		Availability of Rice for Consumption	71,801 tons	No. of Beneficiary Farmers
		Per capita Availability of Rice	41 Kg	Average Size of Inventoried Sub-projects
		Total Demand for Rice	232,095 tons	Existing system
		Surplus	+ tons	New projects
		Deficit	- 160,294 tons	
<b>RELATION WITH CARP</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>
CARP Priority Province	No			Name of responsible PIO: LAGUNA PIO
Area for distribution under CARP (EP)	1,648 ha			No. of Permanent Staff
Status of Issuance of Emancipation Patents (1990)	111.8 %			Technical/engineering staff
No. of Units	2,656 unit			Administrative staff
Total Area	1,843 ha			No. of Contractual Staff
Total No. of Farmer-Beneficiaries	2,115 no.			Total
No. of CISs/CIPs for implementation under CARP-IC				
CISs	2 no. 62 ha			
CIPs	7 no. 310 ha			
Total	9 no. 372 ha			
<b>PHYSICAL PROFILE</b>				<b>REMARKS</b>
Topography	Climate			
plain/flat	Type: 1			
undulating/rolling	Annual Rainfall			
hilly/mountaneous	wet season			
swamp/others	dry season			
Total	Frequency of Typhoon			
Soils	Hydrology			
Arable land	Estimated annual runoff			
Suitable for:	wet season			
paddy	dry season			
diversified crops	Annual flooded area			

PROVINCIAL IRRIGATION PROFILE		Province: <b>BATANGAS</b>	Region: <b>IV</b>	File No: <b>26</b>			
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>			
Land Area	3,165.81 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	13,594 ha		
Population 1990	1,476,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)			
Population 2000	1,727,000 persons	Irrigated Paddy	36,210 ha	67,359 tons	1.86 tons/ha	National Irrigation System (NIS)	
Population Density (1990)	466 persons /sq.km	Wet Season				No. of Systems	1 no.
Population Growth Rate	2.3 %	Dry Season				Irrigation Service Area	852 ha
Rural population (1990)	931,000 persons	Rainfed paddy				Actually Irrigated Area	ha wet _____ ha dry _____ ha
Urban population (1990)	545,000 persons	Corn	160,370 ha	125,154 tons	0.78 tons/ha	Cropping Intensity	%
No. of Households	272,000 no.	Leguminous crops	752 ha	348 tons	0.46 tons/ha	No. of Beneficiary Farmers	no.
No. of Farm Households	172,000 no.	Tuber crops	1,458 ha	17,475 tons	11.99 tons/ha	Communal Irrigation System (CIS)	
% of farm household	63 %	Vegetables/fruits	5,436 ha	25,002 tons	4.60 tons/ha	No. of Systems	42 no.
RGDP (1989)	130,649 M Pesos	Tobacco				Irrigation Service Area	2,290 ha
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane	18,468 ha	1,118 tons	0.06 tons/ha	Actually Irrigated Area	1,729 ha wet 1,729 ha dry 1,547 ha
Rural	33,614 M Pesos	Others				Cropping Intensity	143 %
Urban	97,035 M Pesos	sub-total	222,694 ha			No. of Beneficiary Farmers	1,975 no.
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	31,562 ha	155,321 tons	0.54 tons/ha	Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total	254,256 ha			No. of Systems	1,092 no.
Above	+ 6.7 %	Ratio of Agricultural Land against Total Land	71.5 %			Irrigation Service Area	4,265 ha
Below	- %	Average Cropping Intensity	112.3 %			Actually Irrigated Area	ha wet _____ ha dry _____ ha
Income Class of Province	1st	Average Farm Size	1.3 ha			Cropping Intensity	%
						No. of Beneficiary Farmers	no.
						% of Irrigation Development (1989)	54.5 %
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)				Status of Inventoried Sub-projects under SSIDP	
CARP Priority Province	Yes	Crop Production	13,738 M Pesos	40.8 %		Existing System	
Area for distribution under CARP (EP)	3,584 ha	Forestry	768 M Pesos	2.3 %		No. of Systems	22 no.
Status of Issuance of Emancipation Patents (1990)	107.5 %	Fishery	6,889 M Pesos	20.5 %		Irrigation Service Area	2,032 ha
No. of Units	5,416 unit	Livestock	12,219 M Pesos	36.4 %		Actually Irrigated Area	1,863 ha wet 1,863 ha dry 1,596 ha
Total Area	3,854 ha	Total	33,614 M Pesos	100.0 %		Cropping Intensity	169 %
Total No. of Farmer-Beneficiaries	4,450 no.	Share of Agricultural Sector in RGDP	25.7 %			No. of Beneficiary Farmers	no.
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice				New Projects	
CISs	2 no. 360 ha	1989				No. of Projects	21 no.
CIPs	18 no. 1,783 ha	Total Gross Paddy Production	67,359 tons			Irrigation Service Area	2,017 ha wet 2,017 ha dry 1,614 ha
Total	20 no. 2,143 ha	Seeds, Feeds&Wastes	6,399 tons			Cropping Intensity	127 %
		Total Net Paddy Production	60,960 tons			No. of Beneficiary Farmers	no.
		Milling Recovery	65 %			All of Inventoried Sub-projects	
		Availability of Rice for Consumption	39,624 tons			No. of Systems/projects	43 no.
		Per capita Availability of Rice	27 Kg			Irrigation Service Area	4,049 ha
		Total Demand for Rice	186,315 tons			No. of Beneficiary Farmers	no.
		Surplus	+ _____ tons			Average Size of Inventoried Sub-projects	ha
		Deficit	- 146,692 tons			Existing system	92 ha
		2000				New projects	96 ha
		Total Gross Paddy Production	55,943 tons				
		Seeds, Feeds&Wastes	5,315 tons				
		Total Net Paddy Production	50,628 tons				
		Milling Recovery	65 %				
		Availability of Rice for Consumption	32,908 tons				
		Per capita Availability of Rice	19 Kg				
		Total Demand for Rice	228,844 tons				
		Surplus	+ _____ tons				
		Deficit	- 195,935 tons				
<b>PHYSICAL PROFILE</b>						<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
Topography	Climate					<b>REMARKS</b>	
plain/flat	35.04 % Type: I, III					Name of responsible PIO: <u>BATANGAS PIO</u>	
undulating/rolling	15.05 % Annual Rainfall 2,176 mm					No. of Permanent Staff _____ persons	
hilly/mountaneous	25.88 % wet season _____ mm					Technical/engineering staff <u>8</u> persons	
swamp/others	24.03 % dry season _____ mm					Administrative staff <u>11</u> persons	
Total	100 % Frequency of Typhoon _____ %					No. of Contractual Staff <u>44</u> persons	
						Total <u>63</u> persons	
Soils	Hydrology						
Arable land	2,263.69 sq.km Estimated annual runoff _____ MCM						
Suitable for:	wet season _____ MCM						
paddy	27 % dry season _____ MCM						
diversified crops	73 % Annual flooded area _____ sq.km						

PROVINCIAL IRRIGATION PROFILE		Province: MARINDUQUE	Region: IV	File No: 27		
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>		
Land Area	959.25 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area		
Population 1990	186,000 persons	Crops	Cultivated Area	Production	Unit Yield	4,257 ha
Population 2000	238,000 persons	Irrigated Paddy	7,730 ha	12,251 tons	1.58 tons/ha	
Population Density (1990)	194 persons /sq.km	Wet Season				
Population Growth Rate	0.7 %	Dry Season				
Rural population (1990)	117,000 persons 63 %	Rainfed paddy				
Urban population (1990)	69,000 persons 37 %	Corn	1,550 ha	983 tons	0.63 tons/ha	
No. of Households	36,000 no.	Leguminous crops	152 ha	91 tons	0.60 tons/ha	
No. of Farm Households	23,000 no.	Tuber crops	191 ha	821 tons	4.30 tons/ha	
% of farm household	64 %	Vegetables/fruits	559 ha	3,524 tons	6.30 tons/ha	
RGDP (1989)	130,649 M Pesos	Tobacco				
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane				
Rural	33,614 M Pesos 25.7 %	Others				
Urban	97,035 M Pesos 74.3 %	sub-total	10,182 ha			
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	35,765 ha	130,865 tons	3.66 tons/ha	
(Above or Below National Average per capita RGDP)		Total	45,947 ha			
Above +	6.7 %	Ratio of Agricultural Land against Total Land	50.8 %			
Below -		Average Cropping Intensity	94.3 %			
Income Class of Province	4th	Average Farm Size	2.1 ha			
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989)		
CARP Priority Province	No	Crop Production	13,738 M Pesos 40.8 %	25.3 %		
Area for distribution under CARP (EP)	127 ha	Forestry	768 M Pesos 2.3 %	Status of Inventoried Sub-projects under SSIDP		
Status of Issuance of Emancipation Patents (1990)	170.9 %	Fishery	6,889 M Pesos 20.5 %	Existing System		
No. of Units	627 unit	Livestock	12,219 M Pesos 36.4 %	No. of Systems		5 no.
Total Area	217 ha	Total	33,614 M Pesos 100.0 %	Irrigation Service Area		545 ha
Total No. of Farmer-Beneficiaries	529 no.	Share of Agricultural Sector in RGDP	25.7 %	Actually Irrigated Area		403 ha wet 403 ha dry 309 ha
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989		Cropping Intensity		155 %
CISs	14 no. 1,402 ha	Total Gross Paddy Production	12,251 tons	No. of Beneficiary Farmers		
CIPs	5 no. 405 ha	Seeds, Feeds&Wastes	1,164 tons	New Projects		
Total	19 no. 1,807 ha	Total Net Paddy Production	11,087 tons	No. of Projects		0 no.
<b>PHYSICAL PROFILE</b>		Milling Recovery	65 %	Irrigation Service Area		0 ha wet 0 ha dry 0 ha
Topography	Climate	Availability of Rice for Consumption	7,207 tons	Cropping Intensity		
plain/flat	Type: IV	Per capita Availability of Rice	39 Kg	No. of Beneficiary Farmers		
undulating/rolling	Annual Rainfall	Total Demand for Rice	23,479 tons	All of Inventoried Sub-projects		
hilly/mountaneous	wet season	Surplus	+ tons	No. of Systems/projects		5 no.
swamp/others	dry season	Deficit	- 16,272 tons	Irrigation Service Area		545 ha
Total	Frequency of Typhoon	2000		No. of Beneficiary Farmers		
Soils	Hydrology	Total Gross Paddy Production	13,926 tons	Average Size of Inventoried Sub-projects		
Arable land	Estimated annual runoff	Seeds, Feeds&Wastes	1,323 tons	Existing system		109 ha
Suitable for:	wet season	Total Net Paddy Production	12,603 tons	New projects		0 ha
paddy	dry season	Milling Recovery	65 %	<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		
diversified crops	Annual flooded area	Availability of Rice for Consumption	8,192 tons	Name of responsible PIO: MARINDUQUE PIO		
Uncultivated		Per capita Availability of Rice	34 Kg	No. of Permanent Staff		persons
		Total Demand for Rice	31,541 tons	Technical/engineering staff		5 persons
		Surplus	+ tons	Administrative staff		8 persons
		Deficit	- 23,349 tons	No. of Contractual Staff		27 persons
				Total		40 persons
				<b>REMARKS</b>		

PROVINCIAL IRRIGATION PROFILE		Province: MINDORO ORIENTAL	Region: IV	File No: 28				
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>				
Land Area	4,364.72 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	48,060 ha			
Population 1990	551,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)				
Population 2000	690,000 persons	Irrigated Paddy	35,090 ha	106,438 tons	3.03 tons/ha	National Irrigation System (NIS)		
Population Density (1990)	126 persons /sq.km	Wet Season				No. of Systems	3 no.	
Population Growth Rate	2.1 %	Dry Season				Irrigation Service Area	11,082 ha	
Rural population (1990)	348,000 persons	Rainfed paddy	38,490 ha	91,438 tons	2.38 tons/ha	Actually Irrigated Area	7,310 ha	wet _____ ha dry _____ ha
Urban population (1990)	203,000 persons	Corn	6,220 ha	3,313 tons	0.53 tons/ha	Cropping Intensity	%	
No. of Households	103,000 no.	Leguminous crops	103 ha	27 tons	0.26 tons/ha	No. of Beneficiary Farmers	6,655 no.	
No. of Farm Households	66,000 no.	Tuber crops	1,247 ha	5,050 tons	4.05 tons/ha	Communal Irrigation System (CIS)		
% of farm household	64 %	Vegetables/fruits	8,609 ha	38,992 tons	4.53 tons/ha	No. of Systems	49 no.	
RGDP (1989)	130,649 M Pesos	Tobacco				Irrigation Service Area	7,732 ha	
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane				Actually Irrigated Area	4,009 ha	wet 4,009 ha dry 3,165 ha
Rural	33,614 M Pesos 25.7 %	Others				Cropping Intensity	93 %	
Urban	97,035 M Pesos 74.3 %	sub-total	89,759 ha			No. of Beneficiary Farmers		
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	33,864 ha	58,886 tons	1.74 tons/ha	Pump Irrigation System (PIS)		
(Above or Below National Average per capita RGDP)		Total	123,623 ha			No. of Systems	327 no.	
Above	+ 6.7 %	Ratio of Agricultural Land against Total Land	33.6 %			Irrigation Service Area	789 ha	
Below	- %	Average Cropping Intensity	84.3 %			Actually Irrigated Area		wet _____ ha dry _____ ha
Income Class of Province	2nd	Average Farm Size	2.2 ha			Cropping Intensity	%	
						No. of Beneficiary Farmers	no.	
						% of Irrigation Development (1989)	40.8 %	
						Status of Inventoried Sub-projects under SSIDP		
						Existing System		
						No. of Systems	48 no.	
						Irrigation Service Area	8,290 ha	
						Actually Irrigated Area	7,958 ha	wet 7,958 ha dry 5,883 ha
						Cropping Intensity	109 %	
						No. of Beneficiary Farmers	no.	
						New Projects		
						No. of Projects	18 no.	
						Irrigation Service Area	2,442 ha	wet 2,442 ha dry 1,650 ha
						Cropping Intensity	187 %	
						No. of Beneficiary Farmers	no.	
						All of Inventoried Sub-projects		
						No. of Systems/projects	66 no.	
						Irrigation Service Area	10,732 ha	
						No. of Beneficiary Farmers	no.	
						Average Size of Inventoried Sub-projects	ha	
						Existing system	173 ha	
						New projects	136 ha	
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>		
CARP Priority Province	No	Crop Production	13,738 M Pesos 40.8 %	Name of responsible PIO: MINDORO ORIENTAL PIO				
Area for distribution under CARP (EP)	2,758 ha	Forestry	768 M Pesos 2.3 %	No. of Permanent Staff				
Status of Issuance of Emancipation Patents (1990)	127.3 %	Fishery	6,889 M Pesos 20.5 %	Technical/engineering staff		4 persons		
No. of Units	4,706 unit	Livestock	12,219 M Pesos 36.4 %	Administrative staff		10 persons		
Total Area	3,512 ha	Total	33,614 M Pesos 100.0 %	No. of Contractual Staff		32 persons		
Total No. of Farmer-Beneficiaries	3,814 no.	Share of Agricultural Sector in RGDP	25.7 %	Total		persons		
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989						
CISs	9 no. 1,697 ha	Total Gross Paddy Production	197,876 tons					
CIPs	9 no. 1,706 ha	Seeds, Feeds & Wastes	18,798 tons					
Total	18 no. 3,403 ha	Total Net Paddy Production	179,078 tons					
		Milling Recovery	65 %					
		Availability of Rice for Consumption	116,401 tons					
		Per capita Availability of Rice	211 Kg					
		Total Demand for Rice	69,553 tons					
		Surplus	+ 46,848 tons					
		Deficit	- tons					
		2000						
		Total Gross Paddy Production	175,292 tons					
		Seeds, Feeds & Wastes	16,653 tons					
		Total Net Paddy Production	158,639 tons					
		Milling Recovery	65 %					
		Availability of Rice for Consumption	103,116 tons					
		Per capita Availability of Rice	149 Kg					
		Total Demand for Rice	91,462 tons					
		Surplus	+ 11,653 tons					
		Deficit	- tons					
<b>PHYSICAL PROFILE</b>								
Topography	Climate							
plain/flat	% Type: IV (D)							
undulating/rolling	% Annual Rainfall							
hilly/mountaneous	% wet season							
swamp/others	% dry season							
Total	% Frequency of Typhoon							
Soils	Hydrology							
Arable land	Estimated annual runoff							
Suitable for:	wet season							
paddy	% dry season							
diversified crops	% Annual flooded area							

PROVINCIAL IRRIGATION PROFILE		Province: MINDORO OCCIDENTAL	Region: IV	File No: 29	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	5,879.8 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	40,020 ha
Population 1990	282,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	348,000 persons	Irrigated Paddy	77,420 ha	224,359 tons	2.90 tons/ha
Population Density (1990)	48 persons/sq.km	Wet Season			
Population Growth Rate	2.4 %	Dry Season			
Rural population (1990)	178,000 persons	Rainfed paddy			
Urban population (1990)	104,000 persons	Corn	4,740 ha	3,844 tons	0.81 tons/ha
No. of Households	55,000 no.	Leguminous crops	1,360 ha	1,197 tons	0.88 tons/ha
No. of Farm Households	35,000 no.	Tuber crops	1,840 ha	11,646 tons	6.33 tons/ha
% of farm household	64 %	Vegetables/fruits	1,784 ha	6,555 tons	3.67 tons/ha
RGDP (1989)	130,649 M Pesos	Tobacco	1,120 ha	1,227 tons	1.10 tons/ha
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane			
Rural	33,614 M Pesos	Others			
Urban	97,035 M Pesos	sub-total	88,264 ha		
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	28,493 ha	35,755 tons	2.44 tons/ha
(Above or Below National Average per capita RGDP)		Total	116,757 ha		
Above	6.7 %	Ratio of Agricultural Land against Total Land	12.3 %		
Below		Average Cropping Intensity	160.8 %		
Income Class of Province	4th	Average Farm Size	2.1 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	Yes	Crop Production	13,738 M Pesos	40.8 %	
Area for distribution under CARP (EP)	1,359 ha	Forestry	768 M Pesos	2.3 %	
Status of Issuance of Emancipation Patents (1990)	693.7 %	Fishery	6,889 M Pesos	20.5 %	
No. of Units	7,392 unit	Livestock	12,219 M Pesos	36.4 %	
Total Area	9,428 ha	Total	33,614 M Pesos	100.0 %	
Total No. of Farmer-Beneficiaries	6,406 no.	Share of Agricultural Sector in RGDP	25.7 %		
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice			
CISs	no. ha	1989			
CIPs	22 no. 6,818 ha	Total Gross Paddy Production	224,359 tons		
Total	22 no. 6,818 ha	Seeds, Feeds & Wastes	21,314 tons		
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production	203,045 tons		
Topography	Climate	Milling Recovery	65 %		
plain/flat	Type: I (IV)	Availability of Rice for Consumption	131,979 tons		
undulating/rolling	Annual Rainfall	Per capita Availability of Rice	468 Kg		
hilly/mountaneous	wet season	Total Demand for Rice	35,597 tons		
swamp/others	dry season	Surplus	+ 96,382 tons		
Total	Frequency of Typhoon	Deficit	- tons		
Soils	Hydrology	2000			
Arable land	Estimated annual runoff	Total Gross Paddy Production	232,920 tons		
Suitable for:	wet season	Seeds, Feeds & Wastes	22,127 tons		
paddy	dry season	Total Net Paddy Production	210,793 tons		
diversified crops	Annual flooded area	Milling Recovery	65 %		
Uncultivated		Availability of Rice for Consumption	137,015 tons		
		Per capita Availability of Rice	394 Kg		
		Total Demand for Rice	46,119 tons		
		Surplus	+ 90,896 tons		
		Deficit	- tons		
		Status of Inventoried Sub-projects under SSIDP		PROVINCIAL IRRIGATION OFFICE (PIO)	
		Existing System		REMARKS	
		No. of Systems	54 no.	Name of responsible PIO: MINDORO OCCIDENTAL PIO	
		Irrigation Service Area	10,328 ha	No. of Permanent Staff	
		Actually Irrigated Area	8,758 ha	Technical/engineering staff	
		Cropping Intensity	150 %	Administrative staff	
		No. of Beneficiary Farmers		No. of Contractual Staff	
		New Projects		Total	
		No. of Projects	15 no.		
		Irrigation Service Area	2,668 ha		
		Cropping Intensity	126 %		
		No. of Beneficiary Farmers			
		All of Inventoried Sub-projects			
		No. of Systems/projects	69 no.		
		Irrigation Service Area	12,996 ha		
		No. of Beneficiary Farmers			
		Average Size of Inventoried Sub-projects			
		Existing system	191 ha		
		New projects	178 ha		

PROVINCIAL IRRIGATION PROFILE		Province: ROMBLON	Region: IV	File No: 30	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	1,355.9 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	4,412 ha
Population 1990	227,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	258,000 persons	Irrigated Paddy	12,560 ha	17,988 tons	1.43 tons/ha
Population Density (1990)	167 persons /sq.km	Wet Season			
Population Growth Rate	1.6 %	Dry Season			
Rural population (1990)	143,000 persons 63 %	Rainfed paddy			
Urban population (1990)	84,000 persons 37 %	Corn	6,480 ha	4,843 tons	0.75 tons/ha
No. of Households	44,000 no.	Leguminous crops	150 ha	123 tons	0.82 tons/ha
No. of Farm Households	28,000 no.	Tuber crops	1,422 ha	2,153 tons	1.51 tons/ha
% of farm household	64 %	Vegetables/fruits	1,602 ha	4,928 tons	3.08 tons/ha
RGDP (1989)	130,649 M Pesos	Tobacco	51 ha	66 tons	1.29 tons/ha
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane			
Rural	33,614 M Pesos 25.7 %	Others			
Urban	97,035 M Pesos 74.3 %	sub-total	22,265 ha		
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	27,422 ha	78,193 tons	2.85 tons/ha
(Above or Below National Average per capita RGDP)		Total	49,687 ha		
Above	+ 6.7 %	Ratio of Agricultural Land against Total Land	65.9 %		
Below	- %	Average Cropping Intensity	55.6 %		
Income Class of Province	5th	Average Farm Size	3.2 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	No	Crop Production	13,738 M Pesos 40.8 %	National Irrigation System (NIS)	
Area for distribution under CARP (BP)	886 ha	Forestry	768 M Pesos 2.3 %	No. of Systems	1 no.
Status of Issuance of Emancipation Patents (1990)	73.8 %	Fishery	6,889 M Pesos 20.5 %	Irrigation Service Area	297 ha
No. of Units	1,256 unit	Livestock	12,219 M Pesos 36.4 %	Actually Irrigated Area	ha wet _____ ha dry _____ ha
Total Area	654 ha	Total	33,614 M Pesos 100.0 %	Cropping Intensity	%
Total No. of Farmer-Beneficiaries	1,038 no.	Share of Agricultural Sector in RGDP	25.7 %	No. of Beneficiary Farmers	957 no.
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989		Communal Irrigation System (CIS)	
CISs	18 no. 1,397 ha	Total Gross Paddy Production	17,988 tons	No. of Systems	47 no.
CIPs	12 no. 782 ha	Seeds, Feeds & Wastes	1,709 tons	Irrigation Service Area	1,712 ha
Total	30 no. 2,179 ha	Total Net Paddy Production	16,279 tons	Actually Irrigated Area	1,357 ha
<b>PHYSICAL PROFILE</b>		Milling Recovery	65 %	Cropping Intensity	140 %
Topography	Climate	Availability of Rice for Consumption	10,581 tons	No. of Beneficiary Farmers	no.
plain/flat	Type: III	Per capita Availability of Rice	47 Kg	Pump Irrigation System (PIS)	
undulating/rolling	Annual Rainfall	Total Demand for Rice	28,654 tons	No. of Systems	50 no.
hilly/mountancous	wet season	Surplus	+ _____ tons	Irrigation Service Area	276 ha
swamp/others	dry season	Deficit	- 18,073 tons	Actually Irrigated Area	ha wet _____ ha dry _____ ha
Total	Frequency of Typhoon	2000		Cropping Intensity	%
Soils	Hydrology	Total Gross Paddy Production	20,190 tons	No. of Beneficiary Farmers	no.
Arable land	Estimated annual runoff	Seeds, Feeds & Wastes	1,918 tons	All of Inventoried Sub-projects	
Suitable for:	wet season	Total Net Paddy Production	18,272 tons	No. of Systems/projects	4 no.
paddy	dry season	Milling Recovery	65 %	Irrigation Service Area	265 ha
diversified crops	Annual flooded area	Availability of Rice for Consumption	11,877 tons	No. of Beneficiary Farmers	no.
Uncultivated		Per capita Availability of Rice	46 Kg	Average Size of Inventoried Sub-projects	ha
		Total Demand for Rice	34,235 tons	Existing system	73 ha
		Surplus	+ _____ tons	New projects	60 ha
		Deficit	- 22,358 tons	<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
				Name of responsible PIO: ROMBLON PIO	
				No. of Permanent Staff _____ persons	
				Technical/engineering staff _____ persons	
				Administrative staff _____ persons	
				No. of Contractual Staff _____ persons	
				Total _____ persons	
				<b>REMARKS</b>	



PROVINCIAL IRRIGATION PROFILE		Province: PALAWAN	Region: IV	File No: 31
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>
Land Area	14,896.3 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area
Population 1990	538,000 persons	Crops Cultivated Area Production Unit Yield		49,447 ha
Population 2000	722,000 persons	Irrigated Paddy	39,190 ha 79,102 tons 2.02 tons/ha	Status of Irrigation Development (1989)
Population Density (1990)	35 persons /sq.km	Wet Season	ha tons tons/ha	National Irrigation System (NIS)
Population Growth Rate	3.6 %	Dry Season	ha tons tons/ha	No. of Systems
Rural population (1990)	333,000 persons 63 %	Rainfed paddy	ha tons tons/ha	Irrigation Service Area
Urban population (1990)	195,000 persons 37 %	Corn	14,950 ha 26,477 tons 1.77 tons/ha	Actually Irrigated Area
No. of Households	101,000 no.	Leguminous crops	398 ha 227 tons 0.57 tons/ha	Cropping Intensity
No. of Farm Households	64,000 no.	Tuber crops	1,616 ha 5,156 tons 3.19 tons/ha	No. of Beneficiary Farmers
% of farm household	63 %	Vegetables/fruits	2,492 ha 6,586 tons 2.64 tons/ha	Communal Irrigation System (CIS)
RGDP (1989)	130,649 M Pesos	Tobacco	ha tons tons/ha	No. of Systems
Per Capita RGDP (1989)	15,811 Pesos	Sugar Cane	ha tons tons/ha	Irrigation Service Area
Rural	33,614 M Pesos 25.7 %	Others	ha tons tons/ha	Actually Irrigated Area
Urban	97,035 M Pesos 74.3 %	sub-total	58,646 ha	Cropping Intensity
Rural Per Capita RGDP	6,447 Pesos	Permanent Crops	27,090 ha 73,767 tons 2.72 tons/ha	No. of Beneficiary Farmers
(Above or Below National Average per capita RGDP)	6.7 %	Total	85,736 ha	Pump Irrigation System (PIS)
Above	+ %	Ratio of Agricultural Land against Total Land	23.3 %	No. of Systems
Below	- %	Average Cropping Intensity	24.7 %	Irrigation Service Area
Income Class of Province	2nd	Average Farm Size	5.4 ha	Actually Irrigated Area
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Cropping Intensity
CARP Priority Province	No	Crop Production	13,738 M Pesos 40.8 %	No. of Beneficiary Farmers
Area for distribution under CARP (EP)	1,505 ha	Forestry	768 M Pesos 2.3 %	% of Irrigation Development (1989)
Status of Issuance of Emancipation Patents (1990)	77.8 %	Fishery	6,889 M Pesos 20.5 %	Status of Inventoried Sub-projects under SSIPD
No. of Units	752 unit	Livestock	12,219 M Pesos 36.4 %	Existing System
Total Area	1,171 ha	Total	33,614 M Pesos 100.0 %	No. of Systems
Total No. of Farmer-Beneficiaries	629 no.	Share of Agricultural Sector in RGDP	25.7 %	Irrigation Service Area
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		Actually Irrigated Area
CISs	1 no. 200 ha	1989		Cropping Intensity
CIPs	24 no. 5,290 ha	Total Gross Paddy Production	79,102 tons	No. of Beneficiary Farmers
Total	25 no. 5,490 ha	Seeds, Feeds & Wastes	7,515 tons	New Projects
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production		No. of Projects
Topography	Climate	Milling Recovery		Irrigation Service Area
plain/flat	Type: I & III	65 %		Actually Irrigated Area
undulating/rolling	Annual Rainfall	Availability of Rice for Consumption		Cropping Intensity
hilly/mountaneous	1,607 mm	46,532 tons		No. of Beneficiary Farmers
swamp/others	wet season	Per capita Availability of Rice		All of Inventoried Sub-projects
Total	mm	88 Kg		No. of Systems/projects
	dry season	Total Demand for Rice		Irrigation Service Area
	Frequency of Typhoon	66,649 tons		No. of Beneficiary Farmers
Soils	Hydrology	Surplus		Average Size of Inventoried Sub-projects
Arable land	Estimated annual runoff	20,118 tons		Existing system
Suitable for:	MCM	2000		New projects
paddy	wet season	Total Gross Paddy Production		
diversified crops	dry season	68,537 tons		
	Annual flooded area	Seeds, Feeds & Wastes		
	sq.km	6,511 tons		
		Total Net Paddy Production		
		62,026 tons		
		Milling Recovery		
		65 %		
		Availability of Rice for Consumption		
		40,317 tons		
		Per capita Availability of Rice		
		56 Kg		
		Total Demand for Rice		
		95,662 tons		
		Surplus		
		55,345 tons		
		Deficit		
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>
				Name of responsible PIO: PALAWAN PIO
				No. of Permanent Staff
				15 persons
				Technical/engineering staff
				persons
				Administrative staff
				persons
				No. of Contractual Staff
				127 persons
				Total
				142 persons
				<b>REMARKS</b>

PROVINCIAL IRRIGATION PROFILE		Province: CAMARINES NORTE	Region: V	File No: 32
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>
Land Area	2,112.49 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area
Population 1990	391,000 persons	Crops Cultivated Area Production Unit Yield		16,869 ha
Population 2000	495,000 persons	Irrigated Paddy	17,710 ha 47,002 tons 2.65 tons/ha	Status of Irrigation Development (1989)
Population Density (1990)	185 persons /sq.km	Wet Season	ha tons tons/ha	National Irrigation System (NIS)
Population Growth Rate	2.4 %	Dry Season	ha tons tons/ha	No. of Systems
Rural population (1990)	307,000 persons 78 %	Rainfed paddy	ha tons tons/ha	Irrigation Service Area
Urban population (1990)	84,000 persons 22 %	Corn	6,720 ha 5,728 tons 0.85 tons/ha	2,751 ha
No. of Households	71,000 no.	Leguminous crops	100 ha 92 tons 0.92 tons/ha	Actually Irrigated Area
No. of Farm Households	56,000 no.	Tuber crops	1,603 ha 5,354 tons 3.34 tons/ha	ha wet ha dry ha
% of farm household	79 %	Vegetables/fruits	4,696 ha 34,767 tons 7.40 tons/ha	Cropping Intensity
RGDP (1989)	29,929 M Pesos	Tobacco	ha tons tons/ha	%
Per Capita RGDP (1989)	7,654 Pesos	Sugar Cane	ha tons tons/ha	Communal Irrigation System (CIS)
Rural	14,573 M Pesos 48.7 %	Others	ha tons tons/ha	No. of Systems
Urban	15,356 M Pesos 51.3 %	sub-total	30,829 ha	Irrigation Service Area
Rural Per Capita RGDP	4,748 Pesos	Permanent Crops	84,557 ha 102,837 tons 1.22 tons/ha	1,502 ha
(Above or Below National Average per capita RGDP)		Total	115,386 ha	Actually Irrigated Area
Above +	%	Ratio of Agricultural Land against Total Land	8.5 %	ha wet ha dry ha
Below -	21.4 %	Average Cropping Intensity	641.0 %	Cropping Intensity
Income Class of Province	4th	Average Farm Size	0.3 ha	%
		Total Agricultural Production Values (1989)		No. of Beneficiary Farmers
		Crop Production	7,471 M Pesos 51.3 %	Pump Irrigation System (PIS)
		Forestry	5 M Pesos 0 %	No. of Systems
		Fishery	5,269 M Pesos 36.2 %	Irrigation Service Area
		Livestock	1,828 M Pesos 12.5 %	361 ha
		Total	14,573 M Pesos 100.0 %	Actually Irrigated Area
		Share of Agricultural Sector in RGDP	48.7 %	ha wet ha dry ha
		Supply and Demand Condition of Rice		Cropping Intensity
		1989		%
		Total Gross Paddy Production	47,002 tons	No. of Beneficiary Farmers
		Seeds, Feeds & Wastes	4,465 tons	Existing System
		Total Net Paddy Production	42,537 tons	No. of Systems
		Milling Recovery	65 %	Irrigation Service Area
		Availability of Rice for Consumption	27,649 tons	1,469 ha
		Per capita Availability of Rice	71 Kg	Actually Irrigated Area
		Total Demand for Rice	38,869 tons	ha wet 632 ha dry 546 ha
		Surplus	+ tons	Cropping Intensity
		Deficit	- 11,220 tons	%
		2000		No. of Beneficiary Farmers
		Total Gross Paddy Production	49,333 tons	New Projects
		Seeds, Feeds & Wastes	4,687 tons	No. of Projects
		Total Net Paddy Production	44,646 tons	63 no.
		Milling Recovery	65 %	Irrigation Service Area
		Availability of Rice for Consumption	29,020 tons	6,686 ha wet 6,686 ha dry 5,902 ha
		Per capita Availability of Rice	59 Kg	Cropping Intensity
		Total Demand for Rice	51,630 tons	%
		Surplus	+ tons	No. of Beneficiary Farmers
		Deficit	- 22,610 tons	All of Inventoried Sub-projects
				No. of Systems/projects
				81 no.
				Irrigation Service Area
				8,155 ha
				No. of Beneficiary Farmers
				no.
				Average Size of Inventoried Sub-projects
				ha
				Existing system
				82 ha
				New projects
				106 ha
<b>PHYSICAL PROFILE</b>		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>
Topography	Climate	Name of responsible PIO: CAMARINES NORTE PIO		
plain/flat	14.40 % Type: II	No. of Permanent Staff		
undulating/rolling	Annual Rainfall 3,824 mm	17 persons		
hilly/mountaneous	84.58 % wet season no pronounced	Technical/engineering staff		
swamp/others	1.02 % dry season dry & wet season	persons		
Total	100 % Frequency of Typhoon	Administrative staff		
		persons		
Soils	Hydrology	No. of Contractual Staff		
Arable land	180.00 sq.km Estimated annual runoff	32 persons		
Suitable for:	wet season	Total		
paddy	81 % dry season	49 persons		
diversified crops	19 % Annual flooded area			

PROVINCIAL IRRIGATION PROFILE		Province: CAMARINES SUR	Region: V	File No: 33																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>5,266.8</u> sq.km Population 1990 <u>1,306,000</u> persons 2000 <u>1,374,000</u> persons Population Density (1990) <u>248</u> persons /sq.km Population Growth Rate <u>1.7</u> % Rural population (1990) <u>1,025,000</u> persons <u>78</u> % Urban population (1990) <u>281,000</u> persons <u>22</u> % No. of Households <u>231,000</u> no. No. of Farm Households <u>180,000</u> no. % of farm household <u>78</u> % RGDP (1989) <u>29,929 M</u> Pesos Per Capita RGDP (1989) <u>7,654</u> Pesos Rural <u>14,573 M</u> Pesos <u>48.7</u> % Urban <u>15,356 M</u> Pesos <u>51.3</u> % Rural Per Capita RGDP <u>4,748</u> Pesos (Above or Below National Average per capita RGDP) Above + <u>21.4</u> % Below - <u>21.4</u> % Income Class of Province <u>1st</u>		Agricultural Land Use (1989) <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>88,020</u> ha</td> <td><u>227,649</u> tons</td> <td><u>2.59</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td><u>46,400</u> ha</td> <td><u>89,612</u> tons</td> <td><u>1.93</u> tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>47,110</u> ha</td> <td><u>31,160</u> tons</td> <td><u>0.66</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>144</u> ha</td> <td><u>154</u> tons</td> <td><u>1.07</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>37,529</u> ha</td> <td><u>312,052</u> tons</td> <td><u>8.31</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>5,292</u> ha</td> <td><u>29,314</u> tons</td> <td><u>5.54</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>2,404</u> ha</td> <td><u>64</u> tons</td> <td><u>0.03</u> tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>226,899</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>97,405</u> ha</td> <td><u>169,796</u> tons</td> <td><u>1.74</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>324,304</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>61.9</u> % Average Cropping Intensity <u>99.4</u> % Average Farm Size <u>1.8</u> ha Total Agricultural Production Values (1989) Crop Production <u>7,471 M</u> Pesos <u>51.3</u> % Forestry <u>5 M</u> Pesos <u>0</u> % Fishery <u>5,269 M</u> Pesos <u>36.2</u> % Livestock <u>1,828 M</u> Pesos <u>12.5</u> % Total <u>14,573 M</u> Pesos <u>100.0</u> % Share of Agricultural Sector in RGDP <u>48.7</u> % Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>317,261</u> tons Seeds, Feeds&Wastes <u>30,140</u> tons Total Net Paddy Production <u>287,121</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>186,629</u> tons Per capita Availability of Rice <u>143</u> Kg Total Demand for Rice <u>129,829</u> tons Surplus + <u>56,799</u> tons Deficit - _____ tons 2000 Total Gross Paddy Production <u>316,995</u> tons Seeds, Feeds&Wastes <u>30,115</u> tons Total Net Paddy Production <u>286,880</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>186,472</u> tons Per capita Availability of Rice <u>136</u> Kg Total Demand for Rice <u>143,325</u> tons Surplus + <u>43,147</u> tons Deficit - _____ tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>88,020</u> ha	<u>227,649</u> tons	<u>2.59</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	<u>46,400</u> ha	<u>89,612</u> tons	<u>1.93</u> tons/ha	Corn	<u>47,110</u> ha	<u>31,160</u> tons	<u>0.66</u> tons/ha	Leguminous crops	<u>144</u> ha	<u>154</u> tons	<u>1.07</u> tons/ha	Tuber crops	<u>37,529</u> ha	<u>312,052</u> tons	<u>8.31</u> tons/ha	Vegetables/fruits	<u>5,292</u> ha	<u>29,314</u> tons	<u>5.54</u> tons/ha	Tobacco	_____ ha	_____ tons	_____ tons/ha	Sugar Cane	<u>2,404</u> ha	<u>64</u> tons	<u>0.03</u> tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>226,899</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>97,405</u> ha	<u>169,796</u> tons	<u>1.74</u> tons/ha	Total	<u>324,304</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>106,171</u> ha Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>6</u> no. Irrigation Service Area <u>18,899</u> ha Actually Irrigated Area <u>10,306</u> ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Communal Irrigation System (CIS) No. of Systems <u>188</u> no. Irrigation Service Area <u>25,041</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems <u>1,499</u> no. Irrigation Service Area <u>23,459</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. % of Irrigation Development (1989) <u>63.5</u> % Status of Inventoried Sub-projects under SSIDP Existing System No. of Systems <u>96</u> no. Irrigation Service Area <u>13,012</u> ha Actually Irrigated Area <u>9,967</u> ha wet <u>9,967</u> ha dry <u>8,026</u> ha Cropping Intensity <u>167</u> % No. of Beneficiary Farmers _____ no. New Projects No. of Projects <u>30</u> no. Irrigation Service Area <u>4,545</u> ha wet <u>4,545</u> ha dry <u>4,428</u> ha Cropping Intensity <u>178</u> % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects <u>126</u> no. Irrigation Service Area <u>17,557</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>136</u> ha New projects <u>152</u> ha
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CARP Priority Province Yes Area for distribution under CARP (EP) <u>37,282</u> ha Status of Issuance of Emancipation Patents (1990) <u>53.1</u> % No. of Units <u>27,141</u> unit Total Area <u>19,795</u> ha Total No. of Farmer-Beneficiaries <u>18,417</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>7</u> no. <u>958</u> ha CIPs <u>17</u> no. <u>3,225</u> ha Total <u>24</u> no. <u>4,183</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
Topography plain/flat _____ % Type: <u>II, IV</u> undulating/rolling _____ % Annual Rainfall <u>3,824</u> mm hilly/mountaneous _____ % wet season _____ mm swamp/others _____ % dry season _____ mm Total _____ % Frequency of Typhoon _____ % Soils Arable land <u>3,261.25</u> sq.km Estimated annual runoff _____ MCM Suitable for: paddy <u>52</u> % wet season _____ MCM diversified crops <u>48</u> % dry season _____ MCM Annual flooded area _____ sq.km																																																																
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b> Name of responsible PIO: <u>CAMARINES SUR PIO</u> No. of Permanent Staff <u>20</u> persons Technical/engineering staff _____ persons Administrative staff _____ persons No. of Contractual Staff <u>76</u> persons Total <u>96</u> persons																																																												
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PROVINCIAL IRRIGATION PROFILE		Province: CATANDUANES	Region: V	File No: 34																																																												
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Land Area <u>1,511.5</u> sq.km Population 1990 <u>187,000</u> persons 2000 <u>207,000</u> persons Population Density (1990) <u>124</u> persons /sq.km Population Growth Rate <u>0.7</u> % Rural population (1990) <u>147,000</u> persons <u>79</u> % Urban population (1990) <u>40,000</u> persons <u>21</u> %  No. of Households <u>34,000</u> no. No. of Farm Households <u>27,000</u> no. % of farm household <u>79</u> %  RGDP (1989) <u>29,929 M</u> Pesos Per Capita RGDP (1989) <u>7,654</u> Pesos Rural <u>14,573 M</u> Pesos <u>48.7</u> % Urban <u>15,356 M</u> Pesos <u>51.3</u> % Rural Per Capita RGDP <u>4,748</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>21.4</u> %  Income Class of Province <u>5th</u>		Agricultural Land Use (1989) <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>14,310</u> ha</td> <td><u>21,816</u> tons</td> <td><u>1.52</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>2,080</u> ha</td> <td><u>618</u> tons</td> <td><u>0.30</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>259</u> ha</td> <td><u>132</u> tons</td> <td><u>0.51</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>3,435</u> ha</td> <td><u>16,228</u> tons</td> <td><u>4.72</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>705</u> ha</td> <td><u>5,216</u> tons</td> <td><u>7.40</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>20,789</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>6,944</u> ha</td> <td><u>5,199</u> tons</td> <td><u>0.75</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>27,733</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>6.9</u> % Average Cropping Intensity <u>265.4</u> % Average Farm Size <u>0.4</u> ha  Total Agricultural Production Values (1989) Crop Production <u>7,471 M</u> Pesos <u>51.3</u> % Forestry <u>5 M</u> Pesos <u>0</u> % Fishery <u>5,269 M</u> Pesos <u>36.2</u> % Livestock <u>1,828 M</u> Pesos <u>12.5</u> % Total <u>14,573 M</u> Pesos <u>100.0</u> %  Share of Agricultural Sector in RGDP <u>48.7</u> %  Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>21,826</u> tons Seeds, Feeds&Wastes <u>2,073</u> tons Total Net Paddy Production <u>19,753</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>12,839</u> tons Per capita Availability of Rice <u>69</u> Kg Total Demand for Rice <u>18,590</u> tons Surplus + _____ tons Deficit - <u>5,751</u> tons 2000 Total Gross Paddy Production <u>23,394</u> tons Seeds, Feeds&Wastes <u>2,222</u> tons Total Net Paddy Production <u>21,172</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>13,762</u> tons Per capita Availability of Rice <u>66</u> Kg Total Demand for Rice <u>21,636</u> tons Surplus + _____ tons Deficit - <u>7,874</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>14,310</u> ha	<u>21,816</u> tons	<u>1.52</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>2,080</u> ha	<u>618</u> tons	<u>0.30</u> tons/ha	Leguminous crops	<u>259</u> ha	<u>132</u> tons	<u>0.51</u> tons/ha	Tuber crops	<u>3,435</u> ha	<u>16,228</u> tons	<u>4.72</u> tons/ha	Vegetables/fruits	<u>705</u> ha	<u>5,216</u> tons	<u>7.40</u> tons/ha	Tobacco	_____ ha	_____ tons	_____ tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>20,789</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>6,944</u> ha	<u>5,199</u> tons	<u>0.75</u> tons/ha	Total	<u>27,733</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>4,189</u> ha  Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>NONE</u> no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Communal Irrigation System (CIS) No. of Systems <u>30</u> no. Irrigation Service Area <u>1,462</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems <u>5</u> no. Irrigation Service Area <u>193</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no.  % of Irrigation Development (1989) <u>39.5</u> %  Status of Inventoried Sub-projects under SSIDP Existing System No. of Systems <u>9</u> no. Irrigation Service Area <u>1,049</u> ha Actually Irrigated Area <u>718</u> ha wet <u>718</u> ha dry <u>515</u> ha Cropping Intensity <u>161</u> % No. of Beneficiary Farmers _____ no. New Projects No. of Projects <u>1</u> no. Irrigation Service Area <u>90</u> ha wet <u>90</u> ha dry <u>90</u> ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects <u>10</u> no. Irrigation Service Area <u>1,139</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>117</u> ha New projects <u>90</u> ha
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CARP Priority Province No Area for distribution under CARP (EP) <u>31</u> ha Status of Issuance of Emancipation Patents (1990) <u>793.5</u> % No. of Units <u>279</u> unit Total Area <u>246</u> ha Total No. of Farmer-Beneficiaries <u>197</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>4</u> no. <u>742</u> ha CIPs <u>14</u> no. <u>1,058</u> ha Total <u>18</u> no. <u>1,800</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
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PROVINCIAL IRRIGATION PROFILE		Province: <b>ALBAY</b>	Region: <b>V</b>	File No: <b>35</b>																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>2,552.6</u> sq.km Population 1990 <u>904,000</u> persons 2000 <u>1,079,000</u> persons Population Density (1990) <u>354</u> persons /sq.km Population Growth Rate <u>1.1</u> % Rural population (1990) <u>710,000</u> persons <u>79</u> % Urban population (1990) <u>194,000</u> persons <u>21</u> %  No. of Households <u>158,000</u> no. No. of Farm Households <u>124,000</u> no. % of farm household <u>78</u> %  RGDP (1989) <u>29,929 M</u> Pesos Per Capita RGDP (1989) <u>7,654</u> Pesos Rural <u>14,573 M</u> Pesos <u>48.7</u> % Urban <u>15,356 M</u> Pesos <u>51.3</u> % Rural Per Capita RGDP <u>4,748</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>21.4</u> %  Income Class of Province <u>2nd</u>		<b>Agricultural Land Use (1989)</b> <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>46,820</u> ha</td> <td><u>110,556</u> tons</td> <td><u>2.36</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>60,780</u> ha</td> <td><u>59,818</u> tons</td> <td><u>0.98</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>668</u> ha</td> <td><u>564</u> tons</td> <td><u>0.84</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>12,067</u> ha</td> <td><u>101,722</u> tons</td> <td><u>8.43</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>4,011</u> ha</td> <td><u>15,240</u> tons</td> <td><u>3.80</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>124,346</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>36,099</u> ha</td> <td><u>149,868</u> tons</td> <td><u>4.15</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>160,445</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>46.7</u> % Average Cropping Intensity <u>134.7</u> % Average Farm Size <u>1.0</u> ha  <b>Total Agricultural Production Values (1989)</b> Crop Production <u>7,471 M</u> Pesos <u>51.3</u> % Forestry <u>5 M</u> Pesos <u>0</u> % Fishery <u>5,269 M</u> Pesos <u>36.2</u> % Livestock <u>1,828 M</u> Pesos <u>12.5</u> % Total <u>14,573 M</u> Pesos <u>100.0</u> %  Share of Agricultural Sector in RGDP <u>48.7</u> %  <b>Supply and Demand Condition of Rice 1989</b> Total Gross Paddy Production <u>110,556</u> tons Seeds, Feeds&Wastes <u>10,503</u> tons Total Net Paddy Production <u>100,053</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>65,035</u> tons Per capita Availability of Rice <u>72</u> Kg Total Demand for Rice <u>89,867</u> tons Surplus + _____ tons Deficit - <u>24,832</u> tons  <b>2000</b> Total Gross Paddy Production <u>112,685</u> tons Seeds, Feeds&Wastes <u>10,705</u> tons Total Net Paddy Production <u>101,980</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>66,287</u> tons Per capita Availability of Rice <u>61</u> Kg Total Demand for Rice <u>112,520</u> tons Surplus + _____ tons Deficit - <u>46,233</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>46,820</u> ha	<u>110,556</u> tons	<u>2.36</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>60,780</u> ha	<u>59,818</u> tons	<u>0.98</u> tons/ha	Leguminous crops	<u>668</u> ha	<u>564</u> tons	<u>0.84</u> tons/ha	Tuber crops	<u>12,067</u> ha	<u>101,722</u> tons	<u>8.43</u> tons/ha	Vegetables/fruits	<u>4,011</u> ha	<u>15,240</u> tons	<u>3.80</u> tons/ha	Tobacco	_____ ha	_____ tons	_____ tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>124,346</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>36,099</u> ha	<u>149,868</u> tons	<u>4.15</u> tons/ha	Total	<u>160,445</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>50,049</u> ha  <b>Status of Irrigation Development (1989)</b> <b>National Irrigation System (NIS)</b> No. of Systems <u>4</u> no. Irrigation Service Area <u>1,947</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers <u>1,506</u> no. <b>Communal Irrigation System (CIS)</b> No. of Systems <u>125</u> no. Irrigation Service Area <u>21,328</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. <b>Pump Irrigation System (PIS)</b> No. of Systems <u>24</u> no. Irrigation Service Area <u>202</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no.  % of Irrigation Development (1989) <u>46.9</u> %  <b>Status of Inventoried Sub-projects under SSIDP</b> <b>Existing System</b> No. of Systems <u>78</u> no. Irrigation Service Area <u>11,835</u> ha Actually Irrigated Area <u>10,344</u> ha wet <u>10,344</u> ha dry <u>10,135</u> ha Cropping Intensity <u>198</u> % No. of Beneficiary Farmers _____ no. <b>New Projects</b> No. of Projects <u>48</u> no. Irrigation Service Area <u>7,438</u> ha wet <u>7,438</u> ha dry <u>7,079</u> ha Cropping Intensity <u>161</u> % No. of Beneficiary Farmers _____ no. <b>All of Inventoried Sub-projects</b> No. of Systems/projects <u>126</u> no. Irrigation Service Area <u>19,273</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>152</u> ha New projects <u>155</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
Irrigated Paddy	<u>46,820</u> ha	<u>110,556</u> tons	<u>2.36</u> tons/ha																																																													
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<b>RELATION WITH CARP</b>																																																																
CARP Priority Province <u>No</u> Area for distribution under CARP (EP) <u>7,233</u> ha Status of Issuance of Emancipation Patents (1990) <u>151.2</u> % No. of Units <u>14,976</u> unit Total Area <u>10,935</u> ha Total No. of Farmer-Beneficiaries <u>10,881</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>5</u> no. <u>814</u> ha CIPs <u>12</u> no. <u>1,818</u> ha Total <u>17</u> no. <u>2,632</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
<b>Topography</b> plain/flat <u>40</u> % undulating/rolling _____ % hilly/mountaneous <u>60</u> % swamp/others _____ % Total <u>100</u> %  <b>Soils</b> Arable land <u>1,191.44</u> sq.km Suitable for: paddy <u>36</u> % diversified crops <u>64</u> %		<b>Climate</b> Type: <u>II, IV</u> Annual Rainfall <u>3,383</u> mm wet season <u>equally</u> mm dry season <u>distributed</u> mm Frequency of Typhoon _____ %  <b>Hydrology</b> Estimated annual runoff _____ MCM wet season _____ MCM dry season _____ MCM Annual flooded area _____ sq.km																																																														
		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>																																																												
		Name of responsible PIO: <u>ALBAY PIO</u> No. of Permanent Staff <u>18</u> persons Technical/engineering staff _____ persons Administrative staff _____ persons No. of Contractual Staff <u>46</u> persons Total <u>64</u> persons																																																														

PROVINCIAL IRRIGATION PROFILE		Province: SORSOGON	Region: V	File No: 36																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>2,141.44</u> sq.km Population 1990 <u>522,000</u> persons 2000 <u>644,000</u> persons Population Density (1990) <u>244</u> persons /sq.km Population Growth Rate <u>0.4</u> % Rural population (1990) <u>410,000</u> persons <u>79</u> % Urban population (1990) <u>112,000</u> persons <u>21</u> %  No. of Households <u>96,000</u> no. No. of Farm Households <u>76,000</u> no. % of farm household <u>79</u> %  RGDP (1989) <u>29,929 M</u> Pesos Per Capita RGDP (1989) <u>7,654</u> Pesos Rural <u>14,573 M</u> Pesos <u>48.7</u> % Urban <u>15,356 M</u> Pesos <u>51.3</u> % Rural Per Capita RGDP <u>4,748</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>21.4</u> %  Income Class of Province <u>3rd</u>		Agricultural Land Use (1989)  <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>47,040</u> ha</td> <td><u>104,470</u> tons</td> <td><u>2.22</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>6,170</u> ha</td> <td><u>2,803</u> tons</td> <td><u>0.45</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>108</u> ha</td> <td><u>50</u> tons</td> <td><u>0.46</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>7,293</u> ha</td> <td><u>16,483</u> tons</td> <td><u>2.26</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>444</u> ha</td> <td><u>2,235</u> tons</td> <td><u>5.03</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>3</u> ha</td> <td><u>3</u> tons</td> <td><u>1.00</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>61,058</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>72,031</u> ha</td> <td><u>52,299</u> tons</td> <td><u>0.73</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>133,089</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>76.2</u> % Average Cropping Intensity <u>81.6</u> % Average Farm Size <u>2.1</u> ha  Total Agricultural Production Values (1989) Crop Production <u>7,471 M</u> Pesos <u>51.3</u> % Forestry <u>5 M</u> Pesos <u>0</u> % Fishery <u>5,269 M</u> Pesos <u>36.2</u> % Livestock <u>1,828 M</u> Pesos <u>12.5</u> % Total <u>14,573 M</u> Pesos <u>100.0</u> %  Share of Agricultural Sector in RGDP <u>48.7</u> %  Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>104,470</u> tons Seeds, Feeds&Wastes <u>9,925</u> tons Total Net Paddy Production <u>94,545</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>61,454</u> tons Per capita Availability of Rice <u>118</u> Kg Total Demand for Rice <u>51,892</u> tons Surplus + <u>9,562</u> tons Deficit - _____ tons  2000 Total Gross Paddy Production <u>107,841</u> tons Seeds, Feeds&Wastes <u>10,245</u> tons Total Net Paddy Production <u>97,596</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>63,437</u> tons Per capita Availability of Rice <u>99</u> Kg Total Demand for Rice <u>67,179</u> tons Surplus + _____ tons Deficit - <u>3,742</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>47,040</u> ha	<u>104,470</u> tons	<u>2.22</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>6,170</u> ha	<u>2,803</u> tons	<u>0.45</u> tons/ha	Leguminous crops	<u>108</u> ha	<u>50</u> tons	<u>0.46</u> tons/ha	Tuber crops	<u>7,293</u> ha	<u>16,483</u> tons	<u>2.26</u> tons/ha	Vegetables/fruits	<u>444</u> ha	<u>2,235</u> tons	<u>5.03</u> tons/ha	Tobacco	<u>3</u> ha	<u>3</u> tons	<u>1.00</u> tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>61,058</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>72,031</u> ha	<u>52,299</u> tons	<u>0.73</u> tons/ha	Total	<u>133,089</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>16,136</u> ha  Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>3</u> no. Irrigation Service Area <u>1,200</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers <u>1,672</u> no. Communal Irrigation System (CIS) No. of Systems <u>129</u> no. Irrigation Service Area <u>8,010</u> ha Actually Irrigated Area <u>5,919</u> ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems <u>43</u> no. Irrigation Service Area <u>530</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no.  % of Irrigation Development (1989) <u>60.4</u> %  Status of Inventoried Sub-projects under SSIDP Existing System No. of Systems <u>34</u> no. Irrigation Service Area <u>4,404</u> ha Actually Irrigated Area <u>-3,783</u> ha wet <u>-3,783</u> ha dry <u>3,166</u> ha Cropping Intensity <u>184</u> % No. of Beneficiary Farmers _____ no. New Projects No. of Projects <u>7</u> no. Irrigation Service Area <u>724</u> ha wet <u>724</u> ha dry <u>724</u> ha Cropping Intensity <u>154</u> % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects <u>41</u> no. Irrigation Service Area <u>5,128</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>130</u> ha New projects <u>103</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
Irrigated Paddy	<u>47,040</u> ha	<u>104,470</u> tons	<u>2.22</u> tons/ha																																																													
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<b>RELATION WITH CARP</b>																																																																
CARP Priority Province Yes Area for distribution under CARP (EP) <u>3,510</u> ha Status of Issuance of Emancipation Patents (1990) <u>106.2</u> % No. of Units <u>6,997</u> unit Total Area <u>3,728</u> ha Total No. of Farmer-Beneficiaries <u>5,260</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>6</u> no. <u>404</u> ha CIPs <u>9</u> no. <u>686</u> ha Total <u>15</u> no. <u>1,090</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
Topography Climate plain/flat <u>19.3</u> % Type: <u>11</u> undulating/rolling <u>18.4</u> % Annual Rainfall <u>3,682</u> mm hilly/mountaneous <u>52.9</u> % wet season <u>no dry</u> mm swamp/others <u>9.4</u> % dry season <u>season</u> mm Total _____ % Frequency of Typhoon _____ %  Soils Hydrology Arable land <u>1,630.72</u> sq.km Estimated annual runoff _____ MCM Suitable for: paddy <u>14.5</u> % dry season _____ MCM diversified crops <u>85.5</u> % Annual flooded area _____ sq.km																																																																
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b> Name of responsible PIO: <u>SORSOGON PIO</u> No. of Permanent Staff _____ persons Technical/engineering staff _____ persons Administrative staff _____ persons No. of Contractual Staff _____ persons Total _____ persons																																																												
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PROVINCIAL IRRIGATION PROFILE		Province: MASBATE	Region: V	File No: 37	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	4,047.7 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	19,419 ha
Population 1990	600,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	653,000 persons	Irrigated Paddy	52,970 ha	66,892 tons	1.26 tons/ha
Population Density (1990)	148 persons /sq.km	Wet Season			
Population Growth Rate	0.3 %	Dry Season			
Rural population (1990)	471,000 persons 79 %	Rainfed paddy			
Urban population (1990)	129,000 persons 21 %	Corn	64,090 ha	26,864 tons	0.42 tons/ha
No. of Households	115,000 no.	Leguminous crops	137 ha	59 tons	0.43 tons/ha
No. of Farm Households	91,000 no.	Tuber crops	2,132 ha	3,091 tons	1.45 tons/ha
% of farm household	79 %	Vegetables/fruits	1,173 ha	3,001 tons	2.56 tons/ha
RGDP (1989)	29,929 M Pesos	Tobacco			
Per Capita RGDP (1989)	7,654 Pesos	Sugar Cane	20 ha	8 tons	0.40 tons/ha
Rural	14,573 M Pesos 48.7 %	Others			
Urban	15,356 M Pesos 51.3 %	sub-total	120,522 ha		
Rural Per Capita RGDP	4,748 Pesos	Permanent Crops	74,696 ha	164,021 tons	2.19 tons/ha
(Above or Below National Average per capita RGDP)		Total	195,218 ha		
Above	+ %	Ratio of Agricultural Land against Total Land	69.5 %		
Below	- 21.4 %	Average Cropping Intensity	69.4 %		
Income Class of Province	3rd	Average Farm Size	3.1 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	No	Crop Production	7,471 M Pesos 51.3 %	National Irrigation System (NIS)	
Area for distribution under CARP (EP)	7,847 ha	Forestry	5 M Pesos 0 %	No. of Systems	NONE no.
Status of Issuance of Emancipation Patents (1990)	87.9 %	Fishery	5,269 M Pesos 36.2 %	Irrigation Service Area	- ha
No. of Units	5,809 unit	Livestock	1,828 M Pesos 12.5 %	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Total Area	6,895 ha	Total	14,573 M Pesos 100.0 %	Cropping Intensity	- %
Total No. of Farmer-Beneficiaries	4,272 no.	Share of Agricultural Sector in RGDP	48.7 %	No. of Beneficiary Farmers	- no.
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		Communal Irrigation System (CIS)	
CISs	7 no. 4,022 ha	1989		No. of Systems	33 no.
CIPs	1 no. 60 ha	Total Gross Paddy Production	66,892 tons	Irrigation Service Area	1,659 ha
Total	8 no. 4,082 ha	Seeds, Feeds&Wastes	6,355 tons	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production	60,537 tons	Cropping Intensity	- %
Topography	Climate	Milling Recovery	65 %	No. of Beneficiary Farmers	- no.
plain/flat	Type: 111	Availability of Rice for Consumption	39,349 tons	Pump Irrigation System (PIS)	
undulating/rolling	Annual Rainfall 2,001 mm	Per capita Availability of Rice	66 Kg	No. of Systems	86 no.
hilly/mountaneous	wet season	Total Demand for Rice	59,646 tons	Irrigation Service Area	1,647 ha
swamp/others	dry season	Surplus	+ _____ tons	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Total	Frequency of Typhoon	Deficit	- 20,297 tons	Cropping Intensity	- %
Soils	Hydrology	2000		No. of Beneficiary Farmers	- no.
Arable land	Estimated annual runoff	Total Gross Paddy Production	63,637 tons	All of Inventoried Sub-projects	
Suitable for:	wet season	Seeds, Feeds&Wastes	6,046 tons	No. of Systems/projects	27 no.
paddy	dry season	Total Net Paddy Production	57,591 tons	Irrigation Service Area	2,985 ha
diversified crops	Annual flooded area	Milling Recovery	65 %	No. of Beneficiary Farmers	- no.
Uncultivated		Availability of Rice for Consumption	37,434 tons	Average Size of Inventoried Sub-projects	
		Per capita Availability of Rice	57 Kg	Existing system	98 ha
		Total Demand for Rice	68,076 tons	New projects	141 ha
		Surplus	+ _____ tons	<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
		Deficit	- 30,642 tons	<b>REMARKS</b>	
				Name of responsible PIO: MASBATE PIO	
				No. of Permanent Staff 10 persons	
				Technical/engineering staff _____ persons	
				Administrative staff _____ persons	
				No. of Contractual Staff 50 persons	
				Total 60 persons	

PROVINCIAL IRRIGATION PROFILE			Province: AKLAN			Region: VI			File No: 38																																																																																																																																																																																																																																																																																																																																									
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Land Area <u>1,817.9</u> sq.km Population 1990 <u>381,000</u> persons 2000 <u>425,000</u> persons Population Density (1990) <u>210</u> persons /sq.km Population Growth Rate <u>1.6</u> % Rural population (1990) <u>273,000</u> persons <u>72</u> % Urban population (1990) <u>108,000</u> persons <u>28</u> % No. of Households <u>71,000</u> no. No. of Farm Households <u>51,000</u> no. % of farm household <u>72</u> % RGDP (1989) <u>60,494 M</u> Pesos Per Capita RGDP (1989) <u>11,246</u> Pesos Rural <u>20,603 M</u> Pesos <u>34.1</u> % Urban <u>39,891 M</u> Pesos <u>65.9</u> % Rural Per Capita RGDP <u>5,342</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>11.6</u> % Income Class of Province <u>4th</u>			Agricultural Land Use (1989) <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>37,360</u></td> <td>ha <u>85,155</u> tons</td> <td><u>2.28</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td></td> <td>ha _____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td></td> <td>ha _____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td></td> <td>ha _____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>1,280</u></td> 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Availability of Rice for Consumption	<u>50,092</u> tons																																																																																																																																																																																																																																																																																																																																																	
Per capita Availability of Rice	<u>131</u> Kg																																																																																																																																																																																																																																																																																																																																																	
Total Demand for Rice	<u>41,205</u> tons																																																																																																																																																																																																																																																																																																																																																	
Surplus	+ <u>8,887</u> tons																																																																																																																																																																																																																																																																																																																																																	
Deficit	- _____ tons																																																																																																																																																																																																																																																																																																																																																	
Total Gross Paddy Production	<u>83,275</u> tons																																																																																																																																																																																																																																																																																																																																																	
Seeds, Feeds&Wastes	<u>7,911</u> tons																																																																																																																																																																																																																																																																																																																																																	
Total Net Paddy Production	<u>75,364</u> tons																																																																																																																																																																																																																																																																																																																																																	
Milling Recovery	<u>65</u> %																																																																																																																																																																																																																																																																																																																																																	
Availability of Rice for Consumption	<u>48,987</u> tons																																																																																																																																																																																																																																																																																																																																																	
Per capita Availability of Rice	<u>1.5</u> Kg																																																																																																																																																																																																																																																																																																																																																	
Total Demand for Rice	<u>48,220</u> tons																																																																																																																																																																																																																																																																																																																																																	
Surplus	+ <u>766</u> tons																																																																																																																																																																																																																																																																																																																																																	
Deficit	- _____ tons																																																																																																																																																																																																																																																																																																																																																	
National Irrigation System (NIS)																																																																																																																																																																																																																																																																																																																																																		
No. of Systems	<u>1</u>	no.																																																																																																																																																																																																																																																																																																																																																
Irrigation Service Area	<u>4,816</u>	ha																																																																																																																																																																																																																																																																																																																																																
Actually Irrigated Area	<u>4,416</u>	ha	wet <u>4,416</u> ha		dry <u>4,341</u> ha																																																																																																																																																																																																																																																																																																																																													
Cropping Intensity		%																																																																																																																																																																																																																																																																																																																																																
No. of Beneficiary Farmers	<u>10,055</u>	no.																																																																																																																																																																																																																																																																																																																																																
Communal Irrigation System (CIS)																																																																																																																																																																																																																																																																																																																																																		
No. of Systems	<u>54</u>	no.																																																																																																																																																																																																																																																																																																																																																
Irrigation Service Area	<u>2,174</u>	ha																																																																																																																																																																																																																																																																																																																																																
Actually Irrigated Area	<u>1,176</u>	ha	wet <u>1,176</u> ha		dry <u>1,163</u> ha																																																																																																																																																																																																																																																																																																																																													
Cropping Intensity		%																																																																																																																																																																																																																																																																																																																																																
No. of Beneficiary Farmers		no.																																																																																																																																																																																																																																																																																																																																																
Pump Irrigation System (PIS)																																																																																																																																																																																																																																																																																																																																																		
No. of Systems	<u>109</u>	no.																																																																																																																																																																																																																																																																																																																																																
Irrigation Service Area	<u>838</u>	ha																																																																																																																																																																																																																																																																																																																																																
Actually Irrigated Area		ha	wet _____ ha		dry _____ ha																																																																																																																																																																																																																																																																																																																																													
Cropping Intensity		%																																																																																																																																																																																																																																																																																																																																																
No. of Beneficiary Farmers		no.																																																																																																																																																																																																																																																																																																																																																
Existing System																																																																																																																																																																																																																																																																																																																																																		
No. of Systems	<u>14</u>	no.																																																																																																																																																																																																																																																																																																																																																
Irrigation Service Area	<u>1,805</u>	ha																																																																																																																																																																																																																																																																																																																																																
Actually Irrigated Area	<u>1,186</u>	ha	wet <u>1,186</u> ha		dry <u>1,247</u> ha																																																																																																																																																																																																																																																																																																																																													
Cropping Intensity	<u>182</u>	%																																																																																																																																																																																																																																																																																																																																																
No. of Beneficiary Farmers		no.																																																																																																																																																																																																																																																																																																																																																
New Projects																																																																																																																																																																																																																																																																																																																																																		
No. of Projects	<u>2</u>	no.																																																																																																																																																																																																																																																																																																																																																
Irrigation Service Area	<u>200</u>	ha	wet <u>200</u> ha		dry <u>200</u> ha																																																																																																																																																																																																																																																																																																																																													
Cropping Intensity		%																																																																																																																																																																																																																																																																																																																																																
No. of Beneficiary Farmers		no.																																																																																																																																																																																																																																																																																																																																																
All of Inventoried Sub-projects																																																																																																																																																																																																																																																																																																																																																		
No. of Systems/projects	<u>16</u>	no.																																																																																																																																																																																																																																																																																																																																																
Irrigation Service Area	<u>2,005</u>	ha																																																																																																																																																																																																																																																																																																																																																
No. of Beneficiary Farmers		no.																																																																																																																																																																																																																																																																																																																																																
Average Size of Inventoried Sub-projects		ha																																																																																																																																																																																																																																																																																																																																																
Existing system	<u>129</u>	ha																																																																																																																																																																																																																																																																																																																																																
New projects	<u>100</u>	ha																																																																																																																																																																																																																																																																																																																																																
<b>RELATION WITH CARP</b>																																																																																																																																																																																																																																																																																																																																																		
CARP Priority Province No _____ Area for distribution under CARP (EP) <u>530</u> ha Status of Issuance of Emancipation Patents (1990) <u>56.98</u> % No. of Units <u>670</u> unit Total Area <u>302</u> ha Total No. of Farmer-Beneficiaries <u>500</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>7</u> no. <u>593</u> ha CIPs <u>1</u> no. <u>100</u> ha Total <u>8</u> no. <u>693</u> ha																																																																																																																																																																																																																																																																																																																																																		
<b>PHYSICAL PROFILE</b>																																																																																																																																																																																																																																																																																																																																																		
Topography <table border="1"> <tbody> <tr> <td>plain/flat</td> <td>_____ %</td> <td>Type:</td> <td><u>111</u></td> </tr> <tr> <td>undulating/rolling</td> <td>_____ %</td> <td>Annual Rainfall</td> <td><u>2,903</u> mm</td> </tr> <tr> <td>hilly/mountaneous</td> <td>_____ %</td> <td>    wet season</td> <td>_____ mm</td> </tr> <tr> <td>swamp/others</td> <td>_____ %</td> <td>    dry season</td> <td>_____ mm</td> </tr> <tr> <td>Total</td> <td>_____ %</td> <td>Frequency of Typhoon</td> <td>_____ %</td> </tr> </tbody> </table> Soils <table border="1"> <tbody> <tr> <td>Arable land</td> <td><u>996.48</u> sq.km</td> <td>Estimated annual runoff</td> <td>_____ MCM</td> </tr> <tr> <td>Suitable for:</td> <td></td> <td>    wet season</td> <td>_____ MCM</td> </tr> <tr> <td>    paddy</td> <td><u>50</u> %</td> <td>    dry season</td> <td>_____ MCM</td> </tr> <tr> <td>    diversified crops</td> <td><u>50</u> %</td> <td>Annual flooded area</td> <td>_____ sq.km</td> </tr> <tr> <td>    fishpond, pastureland, etc.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			plain/flat	_____ %	Type:	<u>111</u>	undulating/rolling	_____ %	Annual Rainfall	<u>2,903</u> mm	hilly/mountaneous	_____ %	wet season	_____ mm	swamp/others	_____ %	dry season	_____ mm	Total	_____ %	Frequency of Typhoon	_____ %	Arable land	<u>996.48</u> sq.km	Estimated annual runoff	_____ MCM	Suitable for:		wet season	_____ MCM	paddy	<u>50</u> %	dry season	_____ MCM	diversified crops	<u>50</u> %	Annual flooded area	_____ sq.km	fishpond, pastureland, etc.																																																																																																																																																																																																																																																																																																											
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fishpond, pastureland, etc.																																																																																																																																																																																																																																																																																																																																																		
						<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>			<b>REMARKS</b>																																																																																																																																																																																																																																																																																																																																									
						Name of responsible PIO: <u>AKLAN PIO</u> No. of Permanent Staff _____ persons Technical/engineering staff <u>8</u> persons Administrative staff <u>9</u> persons No. of Contractual Staff _____ persons Total <u>17</u> persons																																																																																																																																																																																																																																																																																																																																												



PROVINCIAL IRRIGATION PROFILE		Province: CAPIZ	Region: VI	File No: 39																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>2,633.17</u> sq.km Population 1990 <u>584,000</u> persons 2000 <u>660,000</u> persons Population Density (1990) <u>222</u> persons /sq.km Population Growth Rate <u>1.7</u> % Rural population (1990) <u>419,000</u> persons <u>72</u> % Urban population (1990) <u>165,000</u> persons <u>28</u> % No. of Households <u>106,000</u> no. No. of Farm Households <u>76,000</u> no. % of farm household <u>72</u> % RGDP (1989) <u>60,494 M</u> Pesos Per Capita RGDP (1989) <u>11,246</u> Pesos Rural <u>20,603 M</u> Pesos <u>34.1</u> % Urban <u>39,891 M</u> Pesos <u>65.9</u> % Rural Per Capita RGDP <u>5,342</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>11.6</u> % Income Class of Province <u>3rd</u>		<b>Agricultural Land Use (1989)</b> <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>84,000</u> ha</td> <td><u>191,252</u> tons</td> <td><u>2.28</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>9,970</u> ha</td> <td><u>6,831</u> tons</td> <td><u>0.69</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>107</u> ha</td> <td><u>39</u> tons</td> <td><u>0.36</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>1,739</u> ha</td> <td><u>13,081</u> tons</td> <td><u>7.52</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>1,720</u> ha</td> <td><u>8,469</u> tons</td> <td><u>4.92</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>2,616</u> ha</td> <td><u>129</u> tons</td> <td><u>0.05</u> tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>100,152</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>12,212</u> ha</td> <td><u>43,600</u> tons</td> <td><u>2.94</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>112,364</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>58.8</u> % Average Cropping Intensity <u>72.6</u> % Average Farm Size <u>2.0</u> ha Total Agricultural Production Values (1989) Crop Production <u>9,903 M</u> Pesos <u>48.1</u> % Forestry <u>0.5 M</u> Pesos <u>0</u> % Fishery <u>6,868 M</u> Pesos <u>33.3</u> % Livestock <u>3,831 M</u> Pesos <u>18.6</u> % Total <u>20,603 M</u> Pesos <u>100.0</u> % Share of Agricultural Sector in RGDP <u>34.1</u> % Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>191,252</u> tons Seeds, Feeds&Wastes <u>18,169</u> tons Total Net Paddy Production <u>173,083</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>112,504</u> tons Per capita Availability of Rice <u>193</u> Kg Total Demand for Rice <u>63,160</u> tons Surplus + <u>49,344</u> tons Deficit - _____ tons 2000 Total Gross Paddy Production <u>204,077</u> tons Seeds, Feeds&Wastes <u>19,387</u> tons Total Net Paddy Production <u>184,690</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>120,048</u> tons Per capita Availability of Rice <u>180</u> Kg Total Demand for Rice <u>75,644</u> tons Surplus + <u>44,404</u> tons Deficit - _____ tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>84,000</u> ha	<u>191,252</u> tons	<u>2.28</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>9,970</u> ha	<u>6,831</u> tons	<u>0.69</u> tons/ha	Leguminous crops	<u>107</u> ha	<u>39</u> tons	<u>0.36</u> tons/ha	Tuber crops	<u>1,739</u> ha	<u>13,081</u> tons	<u>7.52</u> tons/ha	Vegetables/fruits	<u>1,720</u> ha	<u>8,469</u> tons	<u>4.92</u> tons/ha	Tobacco	_____ ha	_____ tons	_____ tons/ha	Sugar Cane	<u>2,616</u> ha	<u>129</u> tons	<u>0.05</u> tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>100,152</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>12,212</u> ha	<u>43,600</u> tons	<u>2.94</u> tons/ha	Total	<u>112,364</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>11,880</u> ha Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>1</u> no. Irrigation Service Area <u>1,440</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers <u>(1,192)</u> no. Communal Irrigation System (CIS) No. of Systems <u>72</u> no. Irrigation Service Area <u>2,625</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems <u>263</u> no. Irrigation Service Area <u>4,429</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. % of Irrigation Development (1989) <u>71.5</u> % Status of Inventoried Sub-projects under <b>SSDP</b> Existing System No. of Systems <u>12</u> no. Irrigation Service Area <u>1,108</u> ha Actually Irrigated Area <u>565</u> ha wet <u>565</u> ha dry <u>765</u> ha Cropping Intensity <u>173</u> % No. of Beneficiary Farmers _____ no. New Projects No. of Projects <u>10</u> no. Irrigation Service Area <u>845</u> ha wet <u>845</u> ha dry <u>0</u> ha Cropping Intensity <u>138</u> % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects <u>22</u> no. Irrigation Service Area <u>1,953</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>92</u> ha New projects <u>85</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
Irrigated Paddy	<u>84,000</u> ha	<u>191,252</u> tons	<u>2.28</u> tons/ha																																																													
Wet Season	_____ ha	_____ tons	_____ tons/ha																																																													
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PROVINCIAL IRRIGATION PROFILE		Province: ANTIQUE	Region: VI	File No: 40	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	2,522.01 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	20,884 ha
Population 1990	406,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	458,000 persons	Irrigated Paddy	39,280 ha	92,200 tons	2.35 tons/ha
Population Density (1990)	161 persons /sq.km	Wet Season			
Population Growth Rate	1.6 %	Dry Season			
Rural population (1990)	291,000 persons 72 %	Rainfed paddy			
Urban population (1990)	115,000 persons 28 %	Corn	4,620 ha	1,783 tons	0.39 tons/ha
No. of Households	77,000 no.	Leguminous crops	2,578 ha	1,403 tons	0.54 tons/ha
No. of Farm Households	56,000 no.	Tuber crops	955 ha	2,637 tons	2.76 tons/ha
% of farm household	73 %	Vegetables/fruits	1,418 ha	10,514 tons	7.41 tons/ha
RGDP (1989)	60,494 M Pesos	Tobacco	16 ha	7 tons	0.44 tons/ha
Per Capita RGDP (1989)	11,246 Pesos	Sugar Cane			
Rural	20,603 M Pesos 34.1 %	Others			
Urban	39,891 M Pesos 65.9 %	sub-total	48,867 ha		
Rural Per Capita RGDP	5,342 Pesos	Permanent Crops	9,240 ha	36,146 tons	3.91 tons/ha
(Above or Below National Average per capita RGDP)		Total	58,107 ha		
Above +	11.6 %	Ratio of Agricultural Land against Total Land	52.9 %		
Below -		Average Cropping Intensity	43.5 %		
Income Class of Province	4th	Average Farm Size	2.4 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	Yes	Crop Production	9,903 M Pesos 48.1 %	National Irrigation System (NIS)	
Area for distribution under CARP (EP)	1,937 ha	Forestry	0.5 M Pesos 0 %	No. of Systems	1 no.
Status of Issuance of Emancipation Patents (1990)	34.3 %	Fishery	6,868 M Pesos 33.3 %	Irrigation Service Area	5,416 ha
No. of Units	572 unit	Livestock	3,831 M Pesos 18.6 %	Actually Irrigated Area	4,503 ha wet 4,503 ha dry 3,171 ha
Total Area	664 ha	Total	20,603 M Pesos 100.0 %	Cropping Intensity	142 %
Total No. of Farmer-Beneficiaries	422 no.	Share of Agricultural Sector in RGDP	34.1 %	No. of Beneficiary Farmers	
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		Communal Irrigation System (CIS)	
CISs	10 no. 2,008 ha	1989		No. of Systems	190 no.
CIPs	22 no. 2,090 ha	Total Gross Paddy Production	92,200 tons	Irrigation Service Area	8,603 ha
Total		Seeds, Feeds&Wastes	8,759 tons	Actually Irrigated Area	
		Total Net Paddy Production	83,441 tons	Cropping Intensity	
		Milling Recovery	65 %	No. of Beneficiary Farmers	
		Availability of Rice for Consumption	54,237 tons	Communal Irrigation System (CIS)	
		Per capita Availability of Rice	134 Kg	No. of Systems	190 no.
		Total Demand for Rice	43,909 tons	Irrigation Service Area	2,820 ha
		Surplus	10,328 tons	Actually Irrigated Area	
		Deficit		Cropping Intensity	
		2000		No. of Beneficiary Farmers	
		Total Gross Paddy Production	93,522 tons	Pump Irrigation System (PIS)	
		Seeds, Feeds&Wastes	8,885 tons	No. of Systems	369 no.
		Total Net Paddy Production	84,637 tons	Irrigation Service Area	2,820 ha
		Milling Recovery	65 %	Actually Irrigated Area	
		Availability of Rice for Consumption	55,014 tons	Cropping Intensity	
		Per capita Availability of Rice	120 Kg	No. of Beneficiary Farmers	
		Total Demand for Rice	51,978 tons	% of Irrigation Development (1989)	80.6 %
		Surplus	3,037 tons	Status of Inventoried Sub-projects under SSIDP	
		Deficit		Existing System	
				No. of Systems	41 no.
				Irrigation Service Area	4,649 ha
				Actually Irrigated Area	3,975 ha wet 3,975 ha dry 3,543 ha
				Cropping Intensity	188 %
				No. of Beneficiary Farmers	
				New Projects	
				No. of Projects	19 no.
				Irrigation Service Area	1,696 ha wet 1,696 ha dry 1,623 ha
				Cropping Intensity	135 %
				No. of Beneficiary Farmers	
				All of Inventoried Sub-projects	
				No. of Systems/projects	60 no.
				Irrigation Service Area	6,345 ha
				No. of Beneficiary Farmers	
				Average Size of Inventoried Sub-projects	
				Existing system	113 ha
				New projects	89 ha
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
Topography	Climate			<b>REMARKS</b>	
plain/flat	17 %			Name of responsible PIO: ANTIQUE PIO	
undulating/rolling				No. of Permanent Staff	
hilly/mountaneous	83 %			Technical/engineering staff	
swamp/others				Administrative staff	
Total	100 %			No. of Contractual Staff	
				Total	
Soils	Hydrology				
Arable land	1,335.26 sq.km				
Suitable for:					
paddy	53 %				
diversified crops	47 %				

PROVINCIAL IRRIGATION PROFILE		Province: ILOILO	Region: VI	File No: 41	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	5,324.0 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	65,343 ha
Population 1990	1,765,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)	
Population 2000	1,967,000 persons	Irrigated Paddy 62,930 ha 198,483 tons 3.15 tons/ha		National Irrigation System (NIS)	
Population Density (1990)	332 persons /sq.km	Wet Season		No. of Systems	4 no.
Population Growth Rate	2.1 %	Dry Season		Irrigation Service Area	27,288 ha
Rural population (1990)	1,266,000 persons 72 %	Rainfed paddy 127,960 ha 270,805 tons 2.12 tons/ha		Actually Irrigated Area	wet 24,716 ha dry 16,820 ha
Urban population (1990)	499,000 persons 28 %	Corn 26,650 ha 17,133 tons 0.64 tons/ha		Cropping Intensity	152 %
No. of Households	320,000 no.	Leguminous crops 2,021 ha 1,247 tons 6.00 tons/ha		No. of Beneficiary Farmers	17,272 no.
No. of Farm Households	230,000 no.	Tuber crops 5,123 ha 30,690 tons 7.12 tons/ha		Communal Irrigation System (CIS)	
% of farm household	72 %	Vegetables/fruits 24,030 ha 171,115 tons 0.94 tons/ha		No. of Systems	172 no.
RGDP (1989)	60,494 M Pesos	Tobacco 421 ha 396 tons 0.06 tons/ha		Irrigation Service Area	8,769 ha
Per Capita RGDP (1989)	11,246 Pesos	Sugar Cane 6,481 ha 377 tons tons/ha		Actually Irrigated Area	wet _____ ha dry _____ ha
Rural	20,603 M Pesos 34.1 %	Others _____ ha _____ tons _____ tons/ha		Cropping Intensity	_____ %
Urban	39,891 M Pesos 65.9 %	sub-total 255,616 ha		No. of Beneficiary Farmers	3,021 no.
Rural Per Capita RGDP	5,342 Pesos	Permanent Crops 31,492 ha 80,628 tons 2.56 tons/ha		Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total 287,108 ha		No. of Systems	772 no.
Above + _____ %		Ratio of Agricultural Land against Total Land 74.1 %		Irrigation Service Area	11,129 ha
Below - 11.6 %		Average Cropping Intensity 72.8 %		Actually Irrigated Area	wet _____ ha dry _____ ha
Income Class of Province	1st	Average Farm Size 1.7 ha		Cropping Intensity	_____ %
		Total Agricultural Production Values (1989)		No. of Beneficiary Farmers	_____ no.
		Crop Production 9,903 M Pesos 48.1 %		% of Irrigation Development (1989)	72.2 %
		Forestry 0.5 M Pesos 0.0 %		Status of Inventoried Sub-projects under SSIDP	
		Fishery 6,868 M Pesos 33.3 %		Existing System	
		Livestock 3,831 M Pesos 18.6 %		No. of Systems	34 no.
		Total 20,603 M Pesos 100.0 %		Irrigation Service Area	4,790 ha
		Share of Agricultural Sector in RGDP 34.1 %		Actually Irrigated Area	wet 3,530 ha dry 2,816 ha
		Supply and Demand Condition of Rice		Cropping Intensity	186 %
		1989		No. of Beneficiary Farmers	_____ no.
		Total Gross Paddy Production 469,288 tons		New Projects	
		Seeds, Feeds&Wastes 44,582 tons		No. of Projects	3 no.
		Total Net Paddy Production 424,706 tons		Irrigation Service Area	764 ha
		Milling Recovery 65 %		Cropping Intensity	154 %
		Availability of Rice for Consumption 276,059 tons		No. of Beneficiary Farmers	_____ no.
		Per capita Availability of Rice 156 Kg		All of Inventoried Sub-projects	
		Total Demand for Rice 190,885 tons		No. of Systems/projects	37 no.
		Surplus + 85,174 tons		Irrigation Service Area	5,554 ha
		Deficit _____ tons		No. of Beneficiary Farmers	_____ no.
		2000		Average Size of Inventoried Sub-project	_____ ha
		Total Gross Paddy Production 498,924 tons		Existing system	141 ha
		Seeds, Feeds&Wastes 47,398 tons		New projects	255 ha
		Total Net Paddy Production 451,526 tons			
		Milling Recovery 65 %			
		Availability of Rice for Consumption 293,492 tons			
		Per capita Availability of Rice 149 Kg			
		Total Demand for Rice 223,215 tons			
		Surplus + 70,277 tons			
		Deficit _____ tons			
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	<b>REMARKS</b>
Topography	Climate			Name of responsible PIO: Iloilo PIO	
plain/flat 33.00 %	Type: I III			No. of Permanent Staff _____ persons	
undulating/rolling 25.00 %	Annual Rainfall 732 mm			Technical/engineering staff 12 persons	
hilly/mountaneous 42.00 %	wet season _____ mm			Administrative staff 8 persons	
swamp/others _____ %	dry season _____ mm			No. of Contractual Staff 64 persons	
Total 100.00 %	Frequency of Typhoon _____ %			Total 84 persons	
Soils	Hydrology				
Arable land 3,942.46 sq.km	Estimated annual runoff _____ MCM				
Suitable for:	wet season _____ MCM				
paddy 61 %	dry season _____ MCM				
diversified crops 39 %	Annual flooded area _____ sq.km				

PROVINCIAL IRRIGATION PROFILE		Province: <b>NEGROS OCCIDENTAL</b>	Region: <b>VI</b>	File No: <b>42</b>																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area	<u>7,926.07</u> sq.km	Agricultural Land Use (1989)		Potential Irrigable Area <u>64,244</u> ha																																																												
Population 1990	<u>2,243,000</u> persons	<table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>85,840</u> ha</td> <td><u>243,651</u> tons</td> <td><u>2.84</u> tons/ha</td> </tr> <tr> <td>Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>45,840</u> ha</td> <td><u>18,766</u> tons</td> <td><u>0.41</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>2,120</u> ha</td> <td><u>1,216</u> tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>10,305</u> ha</td> <td><u>44,210</u> tons</td> <td><u>4.29</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>9,715</u> ha</td> <td><u>71,740</u> tons</td> <td><u>7.38</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>238</u> ha</td> <td><u>203</u> tons</td> <td><u>0.85</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>103,375</u> ha</td> <td><u>6,943</u> tons</td> <td><u>0.07</u> tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>257,433</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>40,363</u> ha</td> <td><u>100,312</u> tons</td> <td><u>2.48</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>297,796</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table>		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>85,840</u> ha	<u>243,651</u> tons	<u>2.84</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>45,840</u> ha	<u>18,766</u> tons	<u>0.41</u> tons/ha	Leguminous crops	<u>2,120</u> ha	<u>1,216</u> tons	_____ tons/ha	Tuber crops	<u>10,305</u> ha	<u>44,210</u> tons	<u>4.29</u> tons/ha	Vegetables/fruits	<u>9,715</u> ha	<u>71,740</u> tons	<u>7.38</u> tons/ha	Tobacco	<u>238</u> ha	<u>203</u> tons	<u>0.85</u> tons/ha	Sugar Cane	<u>103,375</u> ha	<u>6,943</u> tons	<u>0.07</u> tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>257,433</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>40,363</u> ha	<u>100,312</u> tons	<u>2.48</u> tons/ha	Total	<u>297,796</u> ha	_____ tons	_____ tons/ha	Status of Irrigation Development (1989)
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Total	<u>297,796</u> ha	_____ tons	_____ tons/ha																																																													
Population 2000	<u>2,510,000</u> persons	Ratio of Agricultural Land against Total Land <u>66.2</u> %		National Irrigation System (NIS)																																																												
Population Density (1990)	<u>283</u> persons /sq.km	Average Cropping Intensity <u>56.7</u> %		No. of Systems <u>2</u> no.																																																												
Population Growth Rate	<u>1.5</u> %	Average Farm Size <u>1.8</u> ha		Irrigation Service Area <u>14,540</u> ha																																																												
Rural population (1990)	<u>1,608,000</u> persons <u>72</u> %	Total Agricultural Production Values (1989)		Actually Irrigated Area <u>7,676</u> ha wet <u>7,676</u> ha dry <u>6,943</u> ha																																																												
Urban population (1990)	<u>635,000</u> persons <u>28</u> %	Crop Production <u>9,903 M</u> Pesos <u>48.1</u> %		Cropping Intensity <u>101</u> %																																																												
No. of Households	<u>407,000</u> no.	Forestry <u>0.5 M</u> Pesos <u>0.0</u> %		No. of Beneficiary Farmers <u>5,526</u> no.																																																												
No. of Farm Households	<u>292,000</u> no.	Fishery <u>6,868 M</u> Pesos <u>33.3</u> %		Communal Irrigation System (CIS)																																																												
% of farm household	<u>72</u> %	Livestock <u>3,831 M</u> Pesos <u>18.6</u> %		No. of Systems <u>56</u> no.																																																												
RGDP (1989)	<u>60,494 M</u> Pesos	Total <u>20,603 M</u> Pesos <u>100.0</u> %		Irrigation Service Area <u>8,568</u> ha																																																												
Per Capita RGDP (1989)	<u>11,246</u> Pesos	Share of Agricultural Sector in RGDP <u>34.1</u> %		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha																																																												
Rural	<u>20,603 M</u> Pesos <u>34.1</u> %	Supply and Demand Condition of Rice		Cropping Intensity _____ %																																																												
Urban	<u>39,891 M</u> Pesos <u>65.9</u> %	1989		No. of Beneficiary Farmers _____ no.																																																												
Rural Per Capita RGDP	<u>5,342</u> Pesos	Total Gross Paddy Production <u>243,651</u> tons		Pump Irrigation System (PIS)																																																												
(Above or Below National Average per capita RGDP)		Seeds, Feeds&Wastes <u>23,147</u> tons		No. of Systems <u>710</u> no.																																																												
Above + _____ %		Total Net Paddy Production <u>220,504</u> tons		Irrigation Service Area <u>10,422</u> ha																																																												
Below - <u>11.6</u> %		Milling Recovery <u>65</u> %		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha																																																												
Income Class of Province	<u>1st</u>	Availability of Rice for Consumption <u>143,328</u> tons		Cropping Intensity _____ %																																																												
<b>RELATION WITH CARP</b>		Per capita Availability of Rice <u>64</u> Kg		No. of Beneficiary Farmers _____ no.																																																												
CARP Priority Province	Yes	Total Demand for Rice <u>242,580</u> tons		% of Irrigation Development (1989) <u>52.2</u> %																																																												
Area for distribution under CARP (EP)	<u>11,821</u> ha	Surplus + _____ tons		Status of Inventoried Sub-projects under SSIDP																																																												
Status of Issuance of Emancipation Patents (1990)	<u>87.9</u> %	Deficit - <u>99,253</u> tons		Existing System																																																												
No. of Units	<u>9,123</u> unit	2000		No. of Systems <u>17</u> no.																																																												
Total Area	<u>10,392</u> ha	Total Gross Paddy Production <u>244,490</u> tons		Irrigation Service Area <u>2,326</u> ha																																																												
Total No. of Farmer-Beneficiaries	<u>6,514</u> no.	Seeds, Feeds&Wastes <u>23,227</u> tons		Actually Irrigated Area <u>1,400</u> ha wet <u>1,400</u> ha dry <u>1,385</u> ha																																																												
No. of CISs/CIPs for implementation under CARP-IC		Total Net Paddy Production <u>221,263</u> tons		Cropping Intensity <u>200</u> %																																																												
CISs	<u>1</u> no. <u>60</u> ha	Milling Recovery <u>65</u> %		No. of Beneficiary Farmers _____ no.																																																												
CIPs	<u>37</u> no. <u>9,696</u> ha	Availability of Rice for Consumption <u>143,821</u> tons		New Projects																																																												
Total	<u>38</u> no. <u>9,756</u> ha	Per capita Availability of Rice <u>57</u> Kg		No. of Projects <u>34</u> no.																																																												
<b>PHYSICAL PROFILE</b>		Total Demand for Rice <u>284,844</u> tons		Irrigation Service Area <u>4,590</u> ha wet <u>4,590</u> ha dry <u>4,231</u> ha																																																												
Topography	Climate	Surplus + _____ tons		Cropping Intensity <u>140</u> %																																																												
plain/flat <u>45.60</u> %	Type: <u>I, III</u>	Deficit - <u>99,253</u> tons		No. of Beneficiary Farmers _____ no.																																																												
undulating/rolling <u>25.30</u> %	Annual Rainfall <u>2,792</u> mm	2000		All of Inventoried Sub-projects																																																												
hilly/mountaneous <u>29.10</u> %	wet season _____ mm	Total Gross Paddy Production <u>244,490</u> tons		No. of Systems/projects <u>51</u> no.																																																												
swamp/others _____ %	dry season _____ mm	Seeds, Feeds&Wastes <u>23,227</u> tons		Irrigation Service Area <u>6,916</u> ha																																																												
Total <u>100.00</u> %	Frequency of Typhoon _____ %	Total Net Paddy Production <u>221,263</u> tons		No. of Beneficiary Farmers _____ no.																																																												
Soils	Hydrology	Milling Recovery <u>65</u> %		Average Size of Inventoried Sub-projects _____ ha																																																												
Arable land <u>5,250.10</u> sq.km	Estimated annual runoff _____ MCM	Availability of Rice for Consumption <u>143,821</u> tons		Existing system <u>137</u> ha																																																												
Suitable for:	wet season _____ MCM	Per capita Availability of Rice <u>57</u> Kg		New projects <u>135</u> ha																																																												
paddy <u>24</u> %	dry season _____ MCM	Total Demand for Rice <u>284,844</u> tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>																																																												
diversified crops <u>76</u> %	Annual flooded area _____ sq.km	Surplus + _____ tons		REMARKS																																																												
		Deficit - <u>141,023</u> tons		Name of responsible PIO: <u>Negros Occidental</u>																																																												
				No. of Permanent Staff _____ persons																																																												
				Technical/engineering staff <u>114</u> persons																																																												
				Administrative staff _____ persons																																																												
				No. of Contractual Staff _____ persons																																																												
				Total <u>114</u> persons																																																												

PROVINCIAL IRRIGATION PROFILE				Province: <b>NEGROS DEL NORTE</b>				Region: <b>VI</b>				File No: <b>43</b>																																																																										
<b>SOCIO-ECONOMIC BACKGROUND</b>				<b>AGRICULTURE</b>				<b>IRRIGATION</b>																																																																														
Land Area _____ sq.km Population 1990 _____ persons 2000 _____ persons Population Density (1990) _____ persons /sq.km Population Growth Rate _____ % Rural population (1990) _____ persons % Urban population (1990) _____ persons % No. of Households _____ no. No. of Farm Households _____ no. % of farm household _____ % RGDP (1989) _____ Pesos Per Capita RGDP (1989) _____ Pesos Rural _____ Pesos % Urban _____ Pesos % Rural Per Capita RGDP _____ Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - _____ % Income Class of Province _____				Agricultural Land Use (1989) <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Tobacco</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td>_____ ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Total</td> <td>_____ ha</td> <td></td> <td></td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land _____ % Average Cropping Intensity _____ % Average Farm Size _____ ha Total Agricultural Production Values (1989) <table border="1"> <tbody> <tr> <td>Crop Production</td> <td>_____ Pesos</td> <td>_____ %</td> </tr> <tr> <td>Forestry</td> <td>_____ Pesos</td> <td>_____ %</td> </tr> <tr> <td>Fishery</td> <td>_____ Pesos</td> <td>_____ %</td> </tr> <tr> <td>Livestock</td> <td>_____ Pesos</td> <td>_____ %</td> </tr> <tr> <td>Total</td> <td>_____ Pesos</td> <td>_____ %</td> </tr> </tbody> </table> Share of Agricultural Sector in RGDP _____ % Supply and Demand Condition of Rice 1989 Total Gross Paddy Production _____ tons Seeds, Feeds&Wastes _____ tons Total Net Paddy Production _____ tons Milling Recovery _____ % Availability of Rice for Consumption _____ tons Per capita Availability of Rice _____ Kg Total Demand for Rice _____ tons Surplus + _____ tons Deficit - _____ tons 2000 Total Gross Paddy Production _____ tons Seeds, Feeds&Wastes _____ tons Total Net Paddy Production _____ tons Milling Recovery _____ % Availability of Rice for Consumption _____ tons Per capita Availability of Rice _____ Kg Total Demand for Rice _____ tons Surplus + _____ tons Deficit - _____ tons				Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	_____ ha	_____ tons	_____ tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	_____ ha	_____ tons	_____ tons/ha	Leguminous crops	_____ ha	_____ tons	_____ tons/ha	Tuber crops	_____ ha	_____ tons	_____ tons/ha	Vegetables/fruits	_____ ha	_____ tons	_____ tons/ha	Tobacco	_____ ha	_____ tons	_____ tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	_____ ha			Permanent Crops	_____ ha	_____ tons	_____ tons/ha	Total	_____ ha			Crop Production	_____ Pesos	_____ %	Forestry	_____ Pesos	_____ %	Fishery	_____ Pesos	_____ %	Livestock	_____ Pesos	_____ %	Total	_____ Pesos	_____ %	Potential Irrigable Area _____ ha Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems _____ no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Communal Irrigation System (CIS) No. of Systems _____ no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems _____ no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. % of Irrigation Development (1989) _____ % Status of Inventoried Sub-projects under SSIDP Existing System No. of Systems _____ no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. New Projects No. of Projects _____ no. Irrigation Service Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects _____ no. Irrigation Service Area _____ ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system _____ ha New projects _____ ha			
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<b>RELATION WITH CARP</b>																																																																																						
CARP Priority Province _____ Area for distribution under CARP (EP) _____ ha Status of Issuance of Emancipation Patents (1990) _____ % No. of Units _____ unit Total Area _____ ha Total No. of Farmer-Beneficiaries _____ no. No. of CISs/CIPs for implementation under CARP-IC CISs _____ no. _____ ha CIPs _____ no. _____ ha Total _____ no. _____ ha																																																																																						
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PROVINCIAL IRRIGATION PROFILE		Province: CEBU	Region: VII	File No: 44																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>5,088.44</u> sq.km Population 1990 <u>2,646,000</u> persons 2000 <u>3,066,000</u> persons Population Density (1990) <u>520</u> persons /sq.km Population Growth Rate <u>2.4</u> % Rural population (1990) <u>1,799,000</u> persons <u>68</u> % Urban population (1990) <u>847,000</u> persons <u>32</u> %  No. of Households <u>506,000</u> no. No. of Farm Households <u>346,000</u> no. % of farm household <u>68</u> %  RGDP (1989) <u>70,801 M.</u> Pesos Per Capita RGDP (1989) <u>15,415</u> Pesos Rural <u>13,634 M.</u> Pesos <u>19.3</u> % Urban <u>57,167 M.</u> Pesos <u>80.7</u> % Rural Per Capita RGDP <u>4,366</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>27.8</u> %  Income Class of Province <u>1st</u>		<b>Agricultural Land Use (1989)</b> <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>9,920</u> ha</td> <td><u>12,795</u> tons</td> <td><u>1.29</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>350,920</u> ha</td> <td><u>160,066</u> tons</td> <td><u>0.46</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>2,888</u> ha</td> <td><u>1,720</u> tons</td> <td><u>0.60</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>6,882</u> ha</td> <td><u>40,596</u> tons</td> <td><u>5.90</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>8,334</u> ha</td> <td><u>82,737</u> tons</td> <td><u>9.93</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>1,300</u> ha</td> <td><u>576</u> tons</td> <td><u>0.44</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>7,031</u> ha</td> <td><u>438</u> tons</td> <td><u>0.06</u> tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>387,275</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>45,401</u> ha</td> <td><u>138,394</u> tons</td> <td><u>3.05</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>432,676</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land _____ % Average Cropping Intensity _____ % Average Farm Size _____ ha  <b>Total Agricultural Production Values (1989)</b> Crop Production <u>5,837 M.</u> Pesos <u>42.8</u> % Forestry <u>49 M.</u> Pesos <u>0.3</u> % Fishery <u>4,848 M.</u> Pesos <u>35.6</u> % Livestock <u>2,900 M.</u> Pesos <u>21.3</u> % Total <u>13,634 M.</u> Pesos <u>100.0</u> %  Share of Agricultural Sector in RGDP <u>19.3</u> %  <b>Supply and Demand Condition of Rice</b> 1989 Total Gross Paddy Production <u>12,795</u> tons Seeds, Feeds&Wastes <u>1,216</u> tons Total Net Paddy Production <u>11,579</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>7,527</u> tons Per capita Availability of Rice <u>3</u> Kg Total Demand for Rice <u>233,642</u> tons Surplus + _____ tons Deficit - <u>226,115</u> tons  2000 Total Gross Paddy Production <u>11,759</u> tons Seeds, Feeds&Wastes <u>1,117</u> tons Total Net Paddy Production <u>10,642</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>6,917</u> tons Per capita Availability of Rice <u>2</u> Kg Total Demand for Rice <u>284,153</u> tons Surplus + _____ tons Deficit - <u>277,236</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>9,920</u> ha	<u>12,795</u> tons	<u>1.29</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>350,920</u> ha	<u>160,066</u> tons	<u>0.46</u> tons/ha	Leguminous crops	<u>2,888</u> ha	<u>1,720</u> tons	<u>0.60</u> tons/ha	Tuber crops	<u>6,882</u> ha	<u>40,596</u> tons	<u>5.90</u> tons/ha	Vegetables/fruits	<u>8,334</u> ha	<u>82,737</u> tons	<u>9.93</u> tons/ha	Tobacco	<u>1,300</u> ha	<u>576</u> tons	<u>0.44</u> tons/ha	Sugar Cane	<u>7,031</u> ha	<u>438</u> tons	<u>0.06</u> tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>387,275</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>45,401</u> ha	<u>138,394</u> tons	<u>3.05</u> tons/ha	Total	<u>432,676</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>10,064</u> ha  <b>Status of Irrigation Development (1989)</b> <b>National Irrigation System (NIS)</b> No. of Systems <u>None</u> no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. <b>Communal Irrigation System (CIS)</b> No. of Systems <u>35</u> no. Irrigation Service Area <u>2,665</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. <b>Pump Irrigation System (PIS)</b> No. of Systems <u>None</u> no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no.  <b>% of Irrigation Development (1989)</b> <u>26.5</u> %  <b>Status of Inventoried Sub-projects under SSIDP</b> <b>Existing System</b> No. of Systems <u>11</u> no. Irrigation Service Area <u>1,855</u> ha Actually Irrigated Area <u>701</u> ha wet <u>701</u> ha dry <u>589</u> ha Cropping Intensity <u>194</u> % No. of Beneficiary Farmers _____ no. <b>New Projects</b> No. of Projects <u>5</u> no. Irrigation Service Area <u>730</u> ha wet <u>730</u> ha dry <u>522</u> ha Cropping Intensity <u>200</u> % No. of Beneficiary Farmers _____ no. <b>All of Inventoried Sub-projects</b> No. of Systems/projects <u>16</u> no. Irrigation Service Area <u>2,585</u> ha No. of Beneficiary Farmers _____ no. <b>Average Size of Inventoried Sub-projects</b> Existing system <u>169</u> ha New projects <u>146</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
Irrigated Paddy	<u>9,920</u> ha	<u>12,795</u> tons	<u>1.29</u> tons/ha																																																													
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CARP Priority Province No Area for distribution under CARP (EP) <u>3,708</u> ha Status of Issuance of Emancipation Patents (1990) <u>86.2</u> % No. of Units <u>6,303</u> unit Total Area <u>3,196</u> ha Total No. of Farmer-Beneficiaries <u>4,288</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>7</u> no. <u>2,020</u> ha CIPs <u>4</u> no. <u>890</u> ha Total <u>11</u> no. <u>2,910</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
<b>Topography</b> plain/flat <u>24.10</u> % undulating/rolling <u>64.00</u> % hilly/mountaneous <u>11.90</u> % swamp/others _____ % Total <u>100.00</u> %  <b>Soils</b> Arable land _____ sq.km Suitable for: paddy <u>3</u> % diversified crops <u>97</u> %		<b>Climate</b> Type: <u>III</u> Annual Rainfall <u>2,193</u> mm wet season _____ mm dry season _____ mm Frequency of Typhoon _____ %  <b>Hydrology</b> Estimated annual runoff _____ MCM wet season _____ MCM dry season _____ MCM Annual flooded area _____ sq.km																																																														
		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>																																																												
		Name of responsible PIO: <u>CEBU PIO</u> No. of Permanent Staff _____ persons Technical/engineering staff <u>16</u> persons Administrative staff _____ persons No. of Contractual Staff <u>45</u> persons Total <u>61</u> persons																																																														

PROVINCIAL IRRIGATION PROFILE		Province: <b>NEGROS ORIENTAL</b>	Region: <b>VII</b>	File No: <b>45</b>																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>5,402.30</u> sq.km Population 1990 <u>925,000</u> persons 2000 <u>1,572,000</u> persons Population Density (1990) <u>171</u> persons /sq.km Population Growth Rate <u>1.2</u> % Rural population (1990) <u>629,000</u> persons <u>68</u> % Urban population (1990) <u>296,000</u> persons <u>32</u> % No. of Household <u>176,000</u> no. No. of Farm Households <u>121,000</u> no. % of farm Households <u>69</u> % RGDP (1989) <u>70,801 M</u> Pesos Per Capita RGDP (1989) <u>15,415</u> Pesos Rural <u>13,634 M</u> Pesos <u>19.3</u> % Urban <u>57,167 M</u> Pesos <u>80.7</u> % Rural Per Capita RGDP <u>4,366</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>27.8</u> % Income Class of Province <u>2nd</u>		<b>Agricultural Land Use (1989)</b> <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>42,760</u> ha</td> <td><u>100,124</u> tons</td> <td><u>2.34</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>137,830</u> ha</td> <td><u>18,318</u> tons</td> <td><u>0.63</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>777</u> ha</td> <td><u>291</u> tons</td> <td><u>0.37</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>3,181</u> ha</td> <td><u>5,063</u> tons</td> <td><u>1.59</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>3,379</u> ha</td> <td><u>15,897</u> tons</td> <td><u>4.70</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>118</u> ha</td> <td><u>46</u> tons</td> <td><u>0.39</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>13,409</u> ha</td> <td><u>823</u> tons</td> <td><u>0.06</u> tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>201,454</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>44,182</u> ha</td> <td><u>129,245</u> tons</td> <td><u>2.92</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>245,636</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>41.7</u> % Average Cropping Intensity <u>109.0</u> % Average Farm Size <u>1.9</u> ha <b>Total Agricultural Production Values (1989)</b> Crop Production <u>5,837 M</u> Pesos <u>42.8</u> % Forestry <u>49 M</u> Pesos <u>0.3</u> % Fishery <u>4,848 M</u> Pesos <u>35.6</u> % Livestock <u>2,900 M</u> Pesos <u>21.3</u> % Total <u>13,634 M</u> Pesos <u>100.0</u> % Share of Agricultural Sector in RGDP <u>19.3</u> % <b>Supply and Demand Condition of Rice</b> 1989 Total Gross Paddy Production <u>100,124</u> tons Seeds, Feeds&Wastes <u>9,512</u> tons Total Net Paddy Production <u>90,612</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>58,898</u> tons Per capita Availability of Rice <u>64</u> Kg Total Demand for Rice <u>81,678</u> tons Surplus + _____ tons Deficit - <u>22,780</u> tons 2000 Total Gross Paddy Production <u>57,621</u> tons Seeds, Feeds&Wastes <u>5,474</u> tons Total Net Paddy Production <u>52,147</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>33,896</u> tons Per capita Availability of Rice <u>22</u> Kg Total Demand for Rice <u>145,644</u> tons Surplus + _____ tons Deficit - <u>111,748</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>42,760</u> ha	<u>100,124</u> tons	<u>2.34</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>137,830</u> ha	<u>18,318</u> tons	<u>0.63</u> tons/ha	Leguminous crops	<u>777</u> ha	<u>291</u> tons	<u>0.37</u> tons/ha	Tuber crops	<u>3,181</u> ha	<u>5,063</u> tons	<u>1.59</u> tons/ha	Vegetables/fruits	<u>3,379</u> ha	<u>15,897</u> tons	<u>4.70</u> tons/ha	Tobacco	<u>118</u> ha	<u>46</u> tons	<u>0.39</u> tons/ha	Sugar Cane	<u>13,409</u> ha	<u>823</u> tons	<u>0.06</u> tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>201,454</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>44,182</u> ha	<u>129,245</u> tons	<u>2.92</u> tons/ha	Total	<u>245,636</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>17,028</u> ha <b>Status of Irrigation Development (1989)</b> <b>National Irrigation System (NIS)</b> No. of Systems <u>None</u> no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. <b>Communal Irrigation System (CIS)</b> No. of Systems <u>39</u> no. Irrigation Service Area <u>4,514</u> ha Actually Irrigated Area <u>2,712</u> ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers <u>(2,511)</u> no. <b>Pump Irrigation System (PIS)</b> No. of Systems <u>1</u> no. Irrigation Service Area <u>35</u> ha Actually Irrigated Area <u>10</u> ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers <u>11</u> no. % of Irrigation Development (1989) <u>26.7</u> % <b>Status of Inventoried Sub-projects under SSIDP</b> <b>Existing System</b> No. of Systems <u>26</u> no. Irrigation Service Area <u>4,885</u> ha Actually Irrigated Area <u>3,527</u> ha wet <u>3,527</u> ha dry <u>2,955</u> ha Cropping Intensity <u>186</u> % No. of Beneficiary Farmers _____ no. <b>New Projects</b> No. of Projects <u>14</u> no. Irrigation Service Area <u>2,640</u> ha wet <u>2,640</u> ha dry <u>2,374</u> ha Cropping Intensity <u>119</u> % No. of Beneficiary Farmers _____ no. <b>All of Inventoried Sub-projects</b> No. of Systems/projects <u>40</u> no. Irrigation Service Area <u>7,525</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>188</u> ha New projects <u>189</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
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CARP Priority Province Yes Area for distribution under CARP (EP) <u>7,074</u> ha Status of Issuance of Emancipation Patents (1990) <u>107.4</u> % No. of Units <u>11,505</u> unit Total Area <u>7,595</u> ha Total No. of Farmer-Beneficiaries <u>6,966</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs _____ no. _____ ha CIPs <u>10</u> no. <u>4,115</u> ha Total <u>10</u> no. <u>4,115</u> ha																																																																
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		Name of responsible PIO: <u>Negros Oriental PIO</u> No. of Permanent Staff _____ persons Technical/engineering staff <u>17</u> persons Administrative staff _____ persons No. of Contractual Staff <u>75</u> persons Total <u>92</u> persons																																																														

PROVINCIAL IRRIGATION PROFILE		Province: BOHOL	Region: VII	File No: 46					
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>					
Land Area	4,117.26 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	40,800 ha				
Population 1990	948,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)					
Population 2000	1,065,000 persons	Irrigated Paddy	84,570 ha	114,210 tons	1.35 tons/ha	National Irrigation System (NIS)			
Population Density (1990)	230 persons /sq.km	Wet Season				No. of Systems	None	no.	
Population Growth Rate	1.6 %	Dry Season				Irrigation Service Area		ha	
Rural population (1990)	645,000 persons	Rainfed paddy				Actually Irrigated Area		ha	wet _____ ha dry _____ ha
Urban population (1990)	303,000 persons	Corn	29,470 ha	22,667 tons	0.77 tons/ha	Cropping Intensity		%	
No. of Households	176,000 no.	Leguminous crops				No. of Beneficiary Farmers		no.	
No. of Farm Households	119,000 no.	Tuber crops	30,251 ha	173,501 tons	5.74 tons/ha	Communal Irrigation System (CIS)			
% of farm household	68 %	Vegetables/fruits	3,503 ha	21,824 tons	6.23 tons/ha	No. of Systems	205	no.	
RGDP (1989)	70,801 M Pesos	Tobacco	26 ha	9 tons	0.35 tons/ha	Irrigation Service Area	7,277	ha	wet _____ ha dry _____ ha
Per Capita RGDP (1989)	15,415 Pesos	Sugar Cane				Actually Irrigated Area		ha	wet _____ ha dry _____ ha
Rural	13,634 M Pesos 19.3 %	Others				Cropping Intensity		%	
Urban	57,167 M Pesos 80.7 %	sub-total	147,820 ha			No. of Beneficiary Farmers		no.	
Rural Per Capita RGDP	4,366 Pesos	Permanent Crops	43,576 ha	21,824 tons	6.23 tons/ha	Pump Irrigation System (PIS)			
(Above or Below National Average per capita RGDP)		Total	191,396 ha			No. of Systems	11	no.	
Above + _____ %		Ratio of Agricultural Land against Total Land	33.6 %			Irrigation Service Area	453	ha	wet _____ ha dry _____ ha
Below - 27.8 %		Average Cropping Intensity	138.4 %			Actually Irrigated Area		ha	wet _____ ha dry _____ ha
Income Class of Province	1st	Average Farm Size	1.2 ha			Cropping Intensity		%	
						No. of Beneficiary Farmers		no.	
		Total Agricultural Production Values (1989)				% of Irrigation Development (1989)	18.9 %		
		Crop Production	5,837 M Pesos 42.8 %						
		Forestry	49 M Pesos 0.3 %			Status of Inventoried Sub-projects under S&DP			
		Fishery	4,848 M Pesos 35.6 %			Existing System			
		Livestock	2,900 M Pesos 21.3 %			No. of Systems	39	no.	
		Total	13,634 M Pesos 100.0 %			Irrigation Service Area	4,657	ha	wet 3,991 ha dry 3,127 ha
		Share of Agricultural Sector in RGDP	19.3 %			Actually Irrigated Area	3,991	ha	wet 3,991 ha dry 3,127 ha
		Supply and Demand Condition of Rice				Cropping Intensity	177	%	
		1989				No. of Beneficiary Farmers		no.	
		Total Gross Paddy Production	114,210 tons			New Projects			
		Seeds, Feeds & Wastes	10,850 tons			No. of Projects	0	no.	
		Total Net Paddy Production	103,360 tons			Irrigation Service Area	0	ha	wet 0 ha dry 0 ha
		Milling Recovery	65 %			Cropping Intensity		%	
		Availability of Rice for Consumption	67,184 tons			No. of Beneficiary Farmers		no.	
		Per capita Availability of Rice	71 Kg			All of Inventoried Sub-projects			
		Total Demand for Rice	83,708 tons			No. of Systems/projects	39	no.	
		Surplus	+ _____ tons			Irrigation Service Area	4,657	ha	
		Deficit	- 16,524 tons			No. of Beneficiary Farmers		no.	
		2000				Average Size of Inventoried Sub-projects		ha	
		Total Gross Paddy Production	94,331 tons			Existing system	119	ha	
		Seeds, Feeds & Wastes	8,961 tons			New projects	0	ha	
		Total Net Paddy Production	85,370 tons						
		Milling Recovery	65 %						
		Availability of Rice for Consumption	55,490 tons						
		Per capita Availability of Rice	52 Kg						
		Total Demand for Rice	98,664 tons						
		Surplus	+ _____ tons						
		Deficit	- 43,173 tons						
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>			
Topography	Climate			Name of responsible PIO: BOHOL PIO					
plain/flat	Type: IV			No. of Permanent Staff					
undulating/rolling	Annual Rainfall 3,878 mm			Technical/engineering staff		12 persons			
hilly/mountaneous	wet season			Administrative staff		9 persons			
swamp/others	dry season			No. of Contractual Staff		70 persons			
Total	Frequency of Typhoon			Total		91 persons			
Soils	Hydrology								
Arable land	Estimated annual runoff								
Suitable for:	wet season								
paddy	dry season								
diversified crops	Annual flooded area								



PROVINCIAL IRRIGATION PROFILE		Province: SIOULJOR	Region: VII	File No: 47																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area	343.50 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area																																																												
Population 1990	74,000 persons	<table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td>2,600 ha</td> <td>3,795 tons</td> <td>1.46 tons/ha</td> </tr> <tr> <td>Wet Season</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Season</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Rainfed paddy</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Corn</td> <td>14,400 ha</td> <td>10,096 tons</td> <td>0.70 tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td>300 ha</td> <td>122 tons</td> <td>0.41 tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td>2,484 ha</td> <td>6,345 tons</td> <td>2.55 tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td>370 ha</td> <td>775 tons</td> <td>2.09 tons/ha</td> </tr> <tr> <td>Tobacco</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sugar Cane</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Others</td> <td></td> <td></td> <td></td> </tr> <tr> <td>sub-total</td> <td>20,154 ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td>3,010 ha</td> <td>10,597 tons</td> <td>3.52 tons/ha</td> </tr> <tr> <td>Total</td> <td>23,164 ha</td> <td></td> <td></td> </tr> </tbody> </table>		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	2,600 ha	3,795 tons	1.46 tons/ha	Wet Season				Dry Season				Rainfed paddy				Corn	14,400 ha	10,096 tons	0.70 tons/ha	Leguminous crops	300 ha	122 tons	0.41 tons/ha	Tuber crops	2,484 ha	6,345 tons	2.55 tons/ha	Vegetables/fruits	370 ha	775 tons	2.09 tons/ha	Tobacco				Sugar Cane				Others				sub-total	20,154 ha			Permanent Crops	3,010 ha	10,597 tons	3.52 tons/ha	Total	23,164 ha			2,382 ha
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Population Density (1990)	215 persons /sq.km	Total Agricultural Production Values (1989)		National Irrigation System (NIS)																																																												
Population Growth Rate	0.6 %	<table border="1"> <tbody> <tr> <td>Crop Production</td> <td>5,837 M Pesos</td> <td>42.8 %</td> </tr> <tr> <td>Forestry</td> <td>49 M Pesos</td> <td>0.3 %</td> </tr> <tr> <td>Fishery</td> <td>4,848 M Pesos</td> <td>35.6 %</td> </tr> <tr> <td>Livestock</td> <td>2,900 M Pesos</td> <td>21.3 %</td> </tr> <tr> <td>Total</td> <td>13,634 M Pesos</td> <td>100.0 %</td> </tr> </tbody> </table>		Crop Production	5,837 M Pesos	42.8 %	Forestry	49 M Pesos	0.3 %	Fishery	4,848 M Pesos	35.6 %	Livestock	2,900 M Pesos	21.3 %	Total	13,634 M Pesos	100.0 %	No. of Systems																																													
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No. of Farm Households	10,000 no.	<table border="1"> <tbody> <tr> <td>Total Gross Paddy Production</td> <td>3,795 tons</td> </tr> <tr> <td>Seeds, Feeds&amp;Wastes</td> <td>361 tons</td> </tr> <tr> <td>Total Net Paddy Production</td> <td>3,434 tons</td> </tr> <tr> <td>Milling Recovery</td> <td>65 %</td> </tr> <tr> <td>Availability of Rice for Consumption</td> <td>2,232 tons</td> </tr> <tr> <td>Per capita Availability of Rice</td> <td>30 Kg</td> </tr> <tr> <td>Total Demand for Rice</td> <td>6,534 tons</td> </tr> <tr> <td>Surplus</td> <td>+ _____ tons</td> </tr> <tr> <td>Deficit</td> <td>- 4,302 tons</td> </tr> </tbody> </table>		Total Gross Paddy Production	3,795 tons	Seeds, Feeds&Wastes	361 tons	Total Net Paddy Production	3,434 tons	Milling Recovery	65 %	Availability of Rice for Consumption	2,232 tons	Per capita Availability of Rice	30 Kg	Total Demand for Rice	6,534 tons	Surplus	+ _____ tons	Deficit	- 4,302 tons	No. of Beneficiary Farmers																																										
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RGDP (1989)	70,801 M Pesos	<table border="1"> <tbody> <tr> <td>Total Gross Paddy Production</td> <td>1,550 tons</td> </tr> <tr> <td>Seeds, Feeds&amp;Wastes</td> <td>147 tons</td> </tr> <tr> <td>Total Net Paddy Production</td> <td>1,403 tons</td> </tr> <tr> <td>Milling Recovery</td> <td>65 %</td> </tr> <tr> <td>Availability of Rice for Consumption</td> <td>912 tons</td> </tr> <tr> <td>Per capita Availability of Rice</td> <td>11 Kg</td> </tr> <tr> <td>Total Demand for Rice</td> <td>7,378 tons</td> </tr> <tr> <td>Surplus</td> <td>+ _____ tons</td> </tr> <tr> <td>Deficit</td> <td>- 6,467 tons</td> </tr> </tbody> </table>		Total Gross Paddy Production	1,550 tons	Seeds, Feeds&Wastes	147 tons	Total Net Paddy Production	1,403 tons	Milling Recovery	65 %	Availability of Rice for Consumption	912 tons	Per capita Availability of Rice	11 Kg	Total Demand for Rice	7,378 tons	Surplus	+ _____ tons	Deficit	- 6,467 tons	No. of Systems																																										
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Per Capita RGDP (1989)	15,415 Pesos	Availability of Rice for Consumption 2,232 tons		Irrigation Service Area																																																												
Rural	13,634 M Pesos 19.3 %	Per capita Availability of Rice 30 Kg		Actually Irrigated Area																																																												
Urban	57,167 M Pesos 80.7 %	Total Demand for Rice 7,378 tons		Cropping Intensity																																																												
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plain/flat	% Type: III	Total Demand for Rice 7,378 tons		All of Inventoried Sub-projects																																																												
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Suitable for:	wet season _____ MCM	Total Demand for Rice 7,378 tons		PROVINCIAL IRRIGATION OFFICE (PIO)																																																												
paddy	5 % dry season _____ MCM	Surplus + _____ tons		Name of responsible PIO: CEBU PIO																																																												
diversified crops	95 % Annual flooded area _____ sq.km	Deficit - 6,467 tons		No. of Permanent Staff _____ persons																																																												
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PROVINCIAL IRRIGATION PROFILE		Province: NORTHERN SAMAR	Region: VIII	File No: 48																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>3,497.90</u> sq.km Population 1990 <u>383,000</u> persons 2000 <u>508,000</u> persons Population Density (1990) <u>109</u> persons /sq.km Population Growth Rate <u>0.1</u> % Rural population (1990) <u>300,000</u> persons <u>78</u> % Urban population (1990) <u>83,000</u> persons <u>22</u> % No. of Households <u>72,000</u> no. No. of Farm Households <u>52,000</u> no. % of farm household <u>79</u> % RGDP (1989) <u>25,302 M</u> Pesos Per Capita RGDP (1989) <u>8,299</u> Pesos Rural <u>10,687 M</u> Pesos <u>42.2</u> % Urban <u>14,615 M</u> Pesos <u>57.8</u> % Rural Per Capita RGDP <u>4,483</u> Pesos (Above or Below National Average per capita RGDP) Above + <u>        </u> % Below - <u>25.8</u> % Income Class of Province <u>4th</u>		Agricultural Land Use (1989) <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>40,630</u> ha</td> <td><u>31,429</u> tons</td> <td><u>0.77</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td><u>        </u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td><u>        </u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td><u>        </u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>18,120</u> ha</td> <td><u>27,320</u> tons</td> <td><u>1.51</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>25</u> ha</td> <td><u>13</u> tons</td> <td><u>0.52</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>11,013</u> ha</td> <td><u>18,281</u> tons</td> <td><u>1.66</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>4,080</u> ha</td> <td><u>13,140</u> tons</td> <td><u>3.22</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>        </u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>        </u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>Others</td> <td><u>        </u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>73,868</u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>73,575</u> ha</td> <td><u>133,623</u> tons</td> <td><u>1.82</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>147,443</u> ha</td> <td><u>        </u> tons</td> <td><u>        </u> tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>39.5</u> % Average Cropping Intensity <u>106.8</u> % Average Farm Size <u>2.7</u> ha Total Agricultural Production Values (1989) Crop Production <u>5,581 M</u> Pesos <u>52.2</u> % Forestry <u>628 M</u> Pesos <u>5.9</u> % Fishery <u>3,212 M</u> Pesos <u>30.1</u> % Livestock <u>1,266 M</u> Pesos <u>11.8</u> % Total <u>10,687 M</u> Pesos <u>100.0</u> % Share of Agricultural Sector in RGDP <u>42.2</u> % Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>31,429</u> tons Seeds, Feeds & Wastes <u>2,986</u> tons Total Net Paddy Production <u>28,443</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>18,488</u> tons Per capita Availability of Rice <u>48</u> Kg Total Demand for Rice <u>46,730</u> tons Surplus + <u>        </u> tons Deficit - <u>28,242</u> tons 2000 Total Gross Paddy Production <u>43,391</u> tons Seeds, Feeds & Wastes <u>4,122</u> tons Total Net Paddy Production <u>39,269</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>25,523</u> tons Per capita Availability of Rice <u>50</u> Kg Total Demand for Rice <u>65,028</u> tons Surplus + <u>        </u> tons Deficit - <u>39,503</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>40,630</u> ha	<u>31,429</u> tons	<u>0.77</u> tons/ha	Wet Season	<u>        </u> ha	<u>        </u> tons	<u>        </u> tons/ha	Dry Season	<u>        </u> ha	<u>        </u> tons	<u>        </u> tons/ha	Rainfed paddy	<u>        </u> ha	<u>        </u> tons	<u>        </u> tons/ha	Corn	<u>18,120</u> ha	<u>27,320</u> tons	<u>1.51</u> tons/ha	Leguminous crops	<u>25</u> ha	<u>13</u> tons	<u>0.52</u> tons/ha	Tuber crops	<u>11,013</u> ha	<u>18,281</u> tons	<u>1.66</u> tons/ha	Vegetables/fruits	<u>4,080</u> ha	<u>13,140</u> tons	<u>3.22</u> tons/ha	Tobacco	<u>        </u> ha	<u>        </u> tons	<u>        </u> tons/ha	Sugar Cane	<u>        </u> ha	<u>        </u> tons	<u>        </u> tons/ha	Others	<u>        </u> ha	<u>        </u> tons	<u>        </u> tons/ha	sub-total	<u>73,868</u> ha	<u>        </u> tons	<u>        </u> tons/ha	Permanent Crops	<u>73,575</u> ha	<u>133,623</u> tons	<u>1.82</u> tons/ha	Total	<u>147,443</u> ha	<u>        </u> tons	<u>        </u> tons/ha	Potential Irrigable Area <u>16,454</u> ha Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>None</u> no. Irrigation Service Area <u>        </u> ha Actually Irrigated Area <u>        </u> ha wet <u>        </u> ha dry <u>        </u> ha Cropping Intensity <u>        </u> % No. of Beneficiary Farmers <u>        </u> no. Communal Irrigation System (CIS) No. of Systems <u>56</u> no. Irrigation Service Area <u>3,211</u> ha Actually Irrigated Area <u>        </u> ha wet <u>        </u> ha dry <u>        </u> ha Cropping Intensity <u>        </u> % No. of Beneficiary Farmers <u>        </u> no. Pump Irrigation System (PIS) No. of Systems <u>49</u> no. Irrigation Service Area <u>1,181</u> ha Actually Irrigated Area <u>        </u> ha wet <u>        </u> ha dry <u>        </u> ha Cropping Intensity <u>        </u> % No. of Beneficiary Farmers <u>        </u> no. % of Irrigation Development (1989) <u>26.7</u> % Status of Inventoried Sub-projects under <del>SSDP</del> <del>SSDP</del> Existing System No. of Systems <u>13</u> no. Irrigation Service Area <u>1,255</u> ha Actually Irrigated Area <u>555</u> ha wet <u>555</u> ha dry <u>418</u> ha Cropping Intensity <u>134</u> % No. of Beneficiary Farmers <u>        </u> no. New Projects No. of Projects <u>40</u> no. Irrigation Service Area <u>4,460</u> ha wet <u>4,460</u> ha dry <u>4,460</u> ha Cropping Intensity <u>100</u> % No. of Beneficiary Farmers <u>        </u> no. All of Inventoried Sub-projects No. of Systems/projects <u>53</u> no. Irrigation Service Area <u>5,715</u> ha No. of Beneficiary Farmers <u>        </u> no. Average Size of Inventoried Sub-projects <u>        </u> ha Existing system <u>97</u> ha New projects <u>112</u> ha
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CARP Priority Province No Area for distribution under CARP (EP) <u>3,220</u> ha Status of Issuance of Emancipation Patents (1990) <u>508</u> % No. of Units <u>2,026</u> unit Total Area <u>1,637</u> ha Total No. of Farmer-Beneficiaries <u>1,403</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>7</u> no. <u>1,125</u> ha CIPs <u>10</u> no. <u>1,960</u> ha Total <u>17</u> no. <u>3,085</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
Topography Climate plain/flat <u>        </u> % Type: <u>II (IV)</u> undulating/rolling <u>        </u> % Annual Rainfall <u>3,498</u> mm hilly/mountaneous <u>        </u> % wet season } No Distinct Dry mm swamp/others <u>        </u> % dry season } & Wet Season mm Total <u>0.00</u> % Frequency of Typhoon <u>        </u> % Soils Hydrology Arable land <u>1,380.30</u> sq.km Estimated annual runoff <u>        </u> MCM Suitable for: paddy <u>4.5</u> % wet season <u>        </u> MCM diversified crops <u>95.5</u> % dry season <u>        </u> MCM Annual flooded area <u>        </u> sq.km																																																																
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b> Name of responsible PIO: <u>NORTHERN SAMAR PIO</u> No. of Permanent Staff <u>2</u> persons Technical/engineering staff <u>        </u> persons Administrative staff <u>        </u> persons No. of Contractual Staff <u>32</u> persons Total <u>41</u> persons																																																												
				<b>REMARKS</b>																																																												

PROVINCIAL IRRIGATION PROFILE		Province: WESTERN SAMAR	Region: VIII	File No: 49			
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>			
Land Area	5,591.00 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	15,782 ha		
Population 1990	531,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)			
Population 2000	557,000 persons	Irrigated Paddy	47,600 ha	52,725 tons	1.11 tons/ha	National Irrigation System (NIS)	
Population Density (1990)	95 persons /sq.km	Wet Season				No. of Systems	None no.
Population Growth Rate	0.6 %	Dry Season				Irrigation Service Area	- ha
Rural population (1990)	415,000 persons	Rainfed paddy				Actually Irrigated Area	- ha
Urban population (1990)	116,000 persons	Corn	26,440 ha	27,781 tons	1.05 tons/ha	Cropping Intensity	- %
No. of Households	102,000 no.	Leguminous crops	263 ha	202 tons	0.77 tons/ha	No. of Beneficiary Farmers	- no.
No. of Farm Households	80,000 no.	Tuber crops	9,345 ha	32,264 tons	3.45 tons/ha	Communal Irrigation System (CIS)	
% of farm household	78 %	Vegetables/fruits	5,261 ha	52,931 tons	10.06 tons/ha	No. of Systems	20 no.
RGDP (1989)	25,302 M Pesos	Tobacco				Irrigation Service Area	1,574 ha
Per Capita RGDP (1989)	8,299 Pesos	Sugar Cane				Actually Irrigated Area	506 ha
Rural	10,687 M Pesos	Others				Cropping Intensity	- %
Urban	14,615 M Pesos	sub-total	88,909 ha			No. of Beneficiary Farmers	- no.
Rural Per Capita RGDP	4,483 Pesos	Permanent Crops	37,158 ha	167,516 tons	4.51 tons/ha	Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total	126,067 ha			No. of Systems	2 no.
Above	+ %	Ratio of Agricultural Land against Total Land	18.6 %			Irrigation Service Area	40 ha
Below	- 25.8 %	Average Cropping Intensity	121.4 %			Actually Irrigated Area	12 ha
Income Class of Province	3rd	Average Farm Size	1.3 ha			Cropping Intensity	- %
		Total Agricultural Production Values (1989)				No. of Beneficiary Farmers	- no.
		Crop Production	5,581 M Pesos	52.2 %		% of Irrigation Development (1989)	10.2 %
		Forestry	628 M Pesos	5.9 %		Status of Inventoried Sub-projects under SSIDP	
		Fishery	3,212 M Pesos	30.1 %		Existing System	
		Livestock	1,266 M Pesos	11.8 %		No. of Systems	10 no.
		Total	10,687 M Pesos	100.0 %		Irrigation Service Area	1,099 ha
		Share of Agricultural Sector in RGDP	42.2 %			Actually Irrigated Area	636 ha
		Supply and Demand Condition of Rice				Cropping Intensity	167 %
		1989				No. of Beneficiary Farmers	- no.
		Total Gross Paddy Production	52,725 tons			New Projects	
		Seeds, Feeds & Wastes	5,009 tons			No. of Projects	19 no.
		Total Net Paddy Production	47,716 tons			Irrigation Service Area	2,963 ha
		Milling Recovery	65 %			Cropping Intensity	12.5 %
		Availability of Rice for Consumption	31,015 tons			No. of Beneficiary Farmers	- no.
		Per capita Availability of Rice	58 Kg			All of Inventoried Sub-projects	
		Total Demand for Rice	64,787 tons			No. of Systems/projects	29 no.
		Surplus	+ tons			Irrigation Service Area	4,062 ha
		Deficit	- 33,772 tons			No. of Beneficiary Farmers	- no.
		2000				Average Size of Inventoried Sub-projects	
		Total Gross Paddy Production	56,293 tons			Existing system	110 ha
		Seeds, Feeds & Wastes	5,348 tons			New projects	156 ha
		Total Net Paddy Production	50,945 tons				
		Milling Recovery	65 %				
		Availability of Rice for Consumption	33,114 tons				
		Per capita Availability of Rice	59 Kg				
		Total Demand for Rice	71,274 tons				
		Surplus	+ tons				
		Deficit	- 38,160 tons				
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>	
Topography	Climate			Name of responsible PIO: WESTERN SAMAR PIO			
plain/flat	Type: II (IV)			No. of Permanent Staff			
undulating/rolling	Annual Rainfall			Technical/engineering staff			
hilly/mountainous	wet season			Administrative staff			
swamp/others	dry season			No. of Contractual Staff			
Total	Frequency of Typhoon			Total			
Soils	Hydrology						
Arable land	Estimated annual runoff						
Suitable for:	wet season						
paddy	dry season						
diversified crops	Annual flooded area						

PROVINCIAL IRRIGATION PROFILE		Province: EASTERN SAMAR	Region: VIII	File No: 50																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>4,339.60</u> sq.km Population 1990 <u>329,000</u> persons 2000 <u>408,000</u> persons Population Density (1990) <u>76</u> persons /sq.km Population Growth Rate <u>0.3</u> % Rural population (1990) <u>257,000</u> persons <u>78</u> % Urban population (1990) <u>72,000</u> persons <u>22</u> %  No. of Households <u>61,000</u> no. No. of Farm Households <u>48,000</u> no. % of farm household <u>79</u> %  RGDP (1989) <u>25,302 M</u> Pesos Per Capita RGDP (1989) <u>8,299</u> Pesos Rural <u>10,687 M</u> Pesos <u>42.2</u> % Urban <u>14,615 M</u> Pesos <u>57.8</u> % Rural Per Capita RGDP <u>4,483</u> Pesos (Above or Below National Average per capita RGDP) Above + _____ % Below - <u>25.8</u> %  Income Class of Province <u>4th</u>		Agricultural Land Use (1989) <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>13,560</u> ha</td> <td><u>17,519</u> tons</td> <td><u>1.29</u> tons/ha</td> </tr> <tr> <td>    Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>    Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Corn</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>262</u> ha</td> <td><u>88</u> tons</td> <td><u>0.34</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>5,036</u> ha</td> <td><u>15,871</u> tons</td> <td><u>3.15</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>1,491</u> ha</td> <td><u>6,445</u> tons</td> <td><u>4.25</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>17</u> ha</td> <td><u>5</u> tons</td> <td><u>3.40</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>20,366</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>44,768</u> ha</td> <td><u>127,195</u> tons</td> <td><u>2.84</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>65,134</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>43.4</u> % Average Cropping Intensity <u>34.5</u> % Average Farm Size <u>3.9</u> ha  Total Agricultural Production Values (1989) Crop Production <u>5,581 M</u> Pesos <u>52.2</u> % Forestry <u>628 M</u> Pesos <u>5.9</u> % Fishery <u>3,212 M</u> Pesos <u>30.1</u> % Livestock <u>1,266 M</u> Pesos <u>11.8</u> % Total <u>10,687 M</u> Pesos <u>100.0</u> %  Share of Agricultural Sector in RGDP <u>42.2</u> %  Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>17,519</u> tons Seeds, Feeds&Wastes <u>1,664</u> tons Total Net Paddy Production <u>15,855</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>10,306</u> tons Per capita Availability of Rice <u>31</u> Kg Total Demand for Rice <u>40,141</u> tons Surplus + _____ tons Deficit - <u>29,836</u> tons 2000 Total Gross Paddy Production <u>20,155</u> tons Seeds, Feeds&Wastes <u>1,915</u> tons Total Net Paddy Production <u>18,240</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>11,856</u> tons Per capita Availability of Rice <u>29</u> Kg Total Demand for Rice <u>52,239</u> tons Surplus + _____ tons Deficit - <u>40,383</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>13,560</u> ha	<u>17,519</u> tons	<u>1.29</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	_____ ha	_____ tons	_____ tons/ha	Leguminous crops	<u>262</u> ha	<u>88</u> tons	<u>0.34</u> tons/ha	Tuber crops	<u>5,036</u> ha	<u>15,871</u> tons	<u>3.15</u> tons/ha	Vegetables/fruits	<u>1,491</u> ha	<u>6,445</u> tons	<u>4.25</u> tons/ha	Tobacco	<u>17</u> ha	<u>5</u> tons	<u>3.40</u> tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>20,366</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>44,768</u> ha	<u>127,195</u> tons	<u>2.84</u> tons/ha	Total	<u>65,134</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>18,723</u> ha  Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>None</u> no. Irrigation Service Area _____ ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Communal Irrigation System (CIS) No. of Systems <u>47</u> no. Irrigation Service Area <u>1,250</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems <u>56</u> no. Irrigation Service Area <u>906</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no.  % of Irrigation Development (1989) <u>11.5</u> %  Status of Inventoried Sub-projects under §§DP Existing System No. of Systems <u>2</u> no. Irrigation Service Area <u>252</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity <u>124</u> % No. of Beneficiary Farmers _____ no. New Projects No. of Projects <u>12</u> no. Irrigation Service Area <u>1,057</u> ha wet <u>1,057</u> ha dry <u>815</u> ha Cropping Intensity <u>126</u> % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects <u>14</u> no. Irrigation Service Area <u>1,309</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>126</u> ha New projects <u>88</u> ha
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<b>RELATION WITH CARP</b>																																																																
CARP Priority Province No Area for distribution under CARP (EP) <u>832</u> ha Status of Issuance of Emancipation Patents (1990) <u>46.03</u> % No. of Units <u>529</u> unit Total Area <u>383</u> ha Total No. of Farmer-Beneficiaries <u>406</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>1</u> no. <u>130</u> ha CIPs <u>20</u> no. <u>4,817</u> ha Total <u>21</u> no. <u>4,947</u> ha																																																																
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PROVINCIAL IRRIGATION PROFILE				Province: NORTHERN LEYTE				Region: VIII				File No: 51																																																																																																																																																																			
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<p>Land Area <u>6,268.30</u> sq.km</p> <p>Population 1990 <u>1,484,000</u> persons 2000 <u>1,715,000</u> persons</p> <p>Population Density (1990) <u>237</u> persons /sq.km Population Growth Rate <u>1.3</u> %</p> <p>Rural population (1990) <u>1,160,000</u> persons <u>78</u> % Urban population (1990) <u>324,000</u> persons <u>22</u> %</p> <p>No. of Households <u>287,000</u> no. No. of Farm Households <u>223,000</u> no. % of farm household <u>78</u> %</p> <p>RGDP (1989) <u>25,302 M</u> Pesos Per Capita RGDP (1989) <u>8,299</u> Pesos</p> <p>Rural <u>10,687 M</u> Pesos <u>42.2</u> % Urban <u>14,615 M</u> Pesos <u>57.8</u> %</p> <p>Rural Per Capita RGDP <u>4,483</u> Pesos (Above or Below National Average per capita RGDP)</p> <p>Above + _____ % Below - <u>25.8</u> %</p> <p>Income Class of Province <u>1st</u></p>				<p>Agricultural Land Use (1989)</p> <table border="1"> <thead> <tr> <th>Crops</th> <th>Cultivated Area</th> <th>Production</th> <th>Unit Yield</th> </tr> </thead> <tbody> <tr> <td>Irrigated Paddy</td> <td><u>62,070</u> ha</td> <td><u>173,977</u> tons</td> <td><u>2.80</u> tons/ha</td> </tr> <tr> <td>Wet Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Dry Season</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Rainfed paddy</td> <td><u>30,510</u> ha</td> <td><u>61,071</u> tons</td> <td><u>2.00</u> tons/ha</td> </tr> <tr> <td>Corn</td> <td><u>164,850</u> ha</td> <td><u>146,264</u> tons</td> <td><u>0.89</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>1,412</u> ha</td> <td><u>676</u> tons</td> <td><u>0.48</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>14,398</u> ha</td> <td><u>105,578</u> tons</td> <td><u>7.33</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>16,330</u> ha</td> <td><u>56,457</u> tons</td> <td><u>3.46</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>78</u> ha</td> <td><u>32</u> tons</td> <td><u>0.41</u> tons/ha</td> </tr> <tr> <td>Sugar Cane</td> <td><u>8,522</u> ha</td> <td><u>339</u> tons</td> <td><u>0.04</u> tons/ha</td> </tr> <tr> <td>Others</td> <td>_____ ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>sub-total</td> <td><u>298,170</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>149,203</u> ha</td> <td><u>499,612</u> tons</td> <td><u>3.35</u> 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Crops	<u>149,203</u> ha	<u>499,612</u> tons	<u>3.35</u> tons/ha	Total	<u>447,373</u> ha	_____ tons	_____ tons/ha	Crop Production	<u>5,581 M</u> Pesos <u>52.2</u> %	Forestry	<u>628 M</u> Pesos <u>5.9</u> %	Fishery	<u>3,212 M</u> Pesos <u>30.1</u> %	Livestock	<u>1,266 M</u> Pesos <u>11.8</u> %	Total	<u>10,687 M</u> Pesos <u>100.0</u> %	Total Gross Paddy Production	<u>235,048</u> tons	Seeds, Feeds&Wastes	<u>22,330</u> tons	Total Net Paddy Production	<u>212,718</u> tons	Milling Recovery	<u>65</u> %	Availability of Rice for Consumption	<u>138,267</u> tons	Per capita Availability of Rice	<u>93</u> Kg	Total Demand for Rice	<u>181,063</u> tons	Surplus	+ _____ tons	Deficit	- <u>42,796</u> tons	Total Gross Paddy Production	<u>261,961</u> tons	Seeds, Feeds&Wastes	<u>24,886</u> tons	Total Net Paddy Production	<u>237,075</u> tons	Milling Recovery	<u>65</u> %	Availability of Rice for Consumption	<u>154,099</u> tons	Per capita Availability of Rice	<u>90</u> Kg	Total Demand for Rice	<u>219,542</u> 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PROVINCIAL IRRIGATION PROFILE		Province: SOUTHERN LEYTE	Region: VIII	File No: 52		
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>		
Land Area	1,734.80 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	6,630 ha	
Population 1990	322,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)		
Population 2000	405,000 persons	Irrigated Paddy 12,180 ha 42,682 tons 3.50 tons/ha		National Irrigation System (NIS)		
Population Density (1990)	186 persons /sq.km	Wet Season _____ ha _____ tons _____ tons/ha		No. of Systems		1 no.
Population Growth Rate	0.9 %	Dry Season _____ ha _____ tons _____ tons/ha		Irrigation Service Area		380 ha
Rural population (1990)	252,000 persons 78 %	Rainfed paddy _____ ha _____ tons _____ tons/ha		Actually Irrigated Area		_____ ha wet _____ ha dry _____ ha
Urban population (1990)	70,000 persons 22 %	Corn 17,800 ha 15,825 tons 0.89 tons/ha		Cropping Intensity		_____ %
No. of Households	62,000 no.	Leguminous crops 181 ha 63 tons 0.88 tons/ha		No. of Beneficiary Farmers		480 no.
No. of Farm Households	48,000 no.	Tuber crops 13,096 ha 25,471 tons 1.94 tons/ha		Communal Irrigation System (CIS)		
% of farm household	77 %	Vegetables/fruits 5,838 ha 32,748 tons 5.61 tons/ha		No. of Systems		110 no.
RGDP (1989)	25,302 M Pesos	Tobacco 3 ha 1 tons 0.33 tons/ha		Irrigation Service Area		3,593 ha
Per Capita RGDP (1989)	8,299 Pesos	Sugar Cane _____ ha _____ tons _____ tons/ha		Actually Irrigated Area		2,421 ha wet _____ ha dry _____ ha
Rural	10,687 M Pesos 42.2 %	Others _____ ha _____ tons _____ tons/ha		Cropping Intensity		_____ %
Urban	14,615 M Pesos 57.8 %	sub-total 49,098 ha		No. of Beneficiary Farmers		4,888 no.
Rural Per Capita RGDP	4,483 Pesos	Permanent Crops 30,641 ha 32,950 tons 1.08 tons/ha		Pump Irrigation System (PIS)		
(Above or Below National Average per capita RGDP)		Total 79,739 ha		No. of Systems		12 no.
Above + _____ %		Ratio of Agricultural Land against Total Land 27.5 %		Irrigation Service Area		92 ha
Below - 25.8 %		Average Cropping Intensity 166.9 %		Actually Irrigated Area		79 ha wet _____ ha dry _____ ha
Income Class of Province	4th	Average Farm Size 1.0 ha		Cropping Intensity		_____ %
		Total Agricultural Production Values (1989)		No. of Beneficiary Farmers		159 no.
		Crop Production 5,581 M Pesos 52.2 %		% of Irrigation Development (1989)		61.3 %
		Forestry 628 M Pesos 5.9 %		Status of Inventoried Sub-projects under SSIDP		
		Fishery 3,212 M Pesos 30.1 %		Existing System		
		Livestock 1,266 M Pesos 11.8 %		No. of Systems		20 no.
		Total 10,687 M Pesos 100.0 %		Irrigation Service Area		2,231 ha
		Share of Agricultural Sector in RGDP 42.2 %		Actually Irrigated Area		1,383 ha wet 1,383 ha dry 1,304 ha
		Supply and Demand Condition of Rice		Cropping Intensity		195 %
		1989		No. of Beneficiary Farmers		_____ no.
		Total Gross Paddy Production 42,682 tons		New Projects		
		Seeds, Feeds&Wastes 4,055 tons		No. of Projects		4 no.
		Total Net Paddy Production 38,627 tons		Irrigation Service Area		348 ha wet 348 ha dry 328 ha
		Milling Recovery 65 %		Cropping Intensity		155 %
		Availability of Rice for Consumption 25,108 tons		No. of Beneficiary Farmers		_____ no.
		Per capita Availability of Rice 78 Kg		All of Inventoried Sub-projects		
		Total Demand for Rice 39,287 tons		No. of Systems/projects		24 no.
		Surplus + _____ tons		Irrigation Service Area		2,579 ha
		Deficit - 14,180 tons		No. of Beneficiary Farmers		_____ no.
		2000		Average Size of Inventoried Sub-projects		_____ ha
		Total Gross Paddy Production 32,535 tons		Existing system		112 ha
		Seeds, Feeds&Wastes 3,091 tons		New projects		87 ha
		Total Net Paddy Production 29,444 tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>
		Milling Recovery 65 %		Name of responsible PIO: SOUTHERN LEYTE PIO		
		Availability of Rice for Consumption 19,139 tons		No. of Permanent Staff _____ persons		
		Per capita Availability of Rice 47 Kg		Technical/engineering staff 13 persons		
		Total Demand for Rice 51,922 tons		Administrative staff _____ persons		
		Surplus + _____ tons		No. of Contractual Staff 139 persons		
		Deficit - 32,782 tons		Total 152 persons		
		PHYSICAL PROFILE				
Topography		Climate				
plain/flat	_____ %	Type:	II, IV			
undulating/rolling	_____ %	Annual Rainfall	2,468 mm			
hilly/mountaneous	_____ %	wet season	Evenly			
swamp/others	_____ %	dry season	Distributed			
Total	_____ %	Frequency of Typhoon	_____ %			
Soils		Hydrology				
Arable land	477.83 sq.km	Estimated annual runoff	_____ MCM			
Suitable for:		wet season	_____ MCM			
paddy	16 %	dry season	_____ MCM			
diversified crops	84 %	Annual flooded area	_____ sq.km			

PROVINCIAL IRRIGATION PROFILE		Province: ZAMBOANGA DEL NORTE	Region: IX	File No: 53	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	6,618.10 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	9,668 ha
Population 1990	673,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)	
Population 2000	948,000 persons	Irrigated Paddy 27,220 ha 70,395 tons 2.52 tons/ha		National Irrigation System (NIS)	
Population Density (1990)	102 persons /sq.km	Wet Season		No. of Systems	None no.
Population Growth Rate	1.4 %	Dry Season		Irrigation Service Area	- ha
Rural population (1990)	558,000 persons 83 %	Rainfed paddy		Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Urban population (1990)	115,000 persons 17 %	Corn 91,020 ha 91,541 tons 1.01 tons/ha		Cropping Intensity	- %
No. of Households	126,000 no.	Leguminous crops 130 ha 97 tons 0.75 tons/ha		No. of Beneficiary Farmers	- no.
No. of Farm Households	103,000 no.	Tuber crops 1,927 ha 8,121 tons 4.21 tons/ha		Communal Irrigation System (CIS)	
% of farm household	82 %	Vegetables/fruits 3,245 ha 18,544 tons 5.72 tons/ha		No. of Systems	44 no.
RGDP (1989)	32,866 M Pesos	Tobacco		Irrigation Service Area	4,978 ha
Per Capita RGDP (1989)	10,447 Pesos	Sugar Cane		Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Rural	19,503 M Pesos 59.3 %	Others		Cropping Intensity	- %
Urban	13,363 M Pesos 40.7 %	sub-total 123,542 ha		No. of Beneficiary Farmers	- no.
Rural Per Capita RGDP	7,478 Pesos	Permanent Crops 119,419 ha 287,398 tons 2.41 tons/ha		Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total 242,961 ha		No. of Systems	77 no.
Above +	23.7 %	Ratio of Agricultural Land against Total Land 39.5 %		Irrigation Service Area	351 ha
Below -	%	Average Cropping Intensity 93.0 %		Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Income Class of Province	3rd	Average Farm Size 2.5 ha		Cropping Intensity	- %
		Total Agricultural Production Values (1989)		No. of Beneficiary Farmers	- no.
		Crop Production 7,031 M Pesos 36.1 %		% of Irrigation Development (1989)	55.1 %
		Forestry 806 M Pesos 4.1 %		Status of Inventoried Sub-projects under RA 6803/DP	
		Fishery 10,283 M Pesos 52.7 %		Existing System	
		Livestock 1,383 M Pesos 7.1 %		No. of Systems	15 no.
		Total 19,503 M Pesos 100.0 %		Irrigation Service Area	2,223 ha
		Share of Agricultural Sector in RGDP 59.3 %		Actually Irrigated Area	1,536 ha wet 1,536 ha dry 1,004 ha
		Supply and Demand Condition of Rice		Cropping Intensity	176 %
		1989		No. of Beneficiary Farmers	- no.
		Total Gross Paddy Production 70,395 tons		New Projects	
		Seeds, Feeds&Wastes 6,688 tons		No. of Projects	13 no.
		Total Net Paddy Production 63,707 tons		Irrigation Service Area	1,935 ha wet 1,935 ha dry 1,445 ha
		Milling Recovery 65 %		Cropping Intensity	125 %
		Availability of Rice for Consumption 41,410 tons		No. of Beneficiary Farmers	- no.
		Per capita Availability of Rice 62 Kg		All of Inventoried Sub-projects	
		Total Demand for Rice 73,512 tons		No. of Systems/projects	28 no.
		Surplus + _____ tons		Irrigation Service Area	4,158 ha
		Deficit - 32,102 tons		No. of Beneficiary Farmers	- no.
		2000		Average Size of Inventoried Sub-projects	_____ ha
		Total Gross Paddy Production 55,582 tons		Existing system	148 ha
		Seeds, Feeds&Wastes 5,280 tons		New projects	149 ha
		Total Net Paddy Production 50,302 tons			
		Milling Recovery 65 %			
		Availability of Rice for Consumption 32,696 tons			
		Per capita Availability of Rice 34 Kg			
		Total Demand for Rice 108,663 tons			
		Surplus + _____ tons			
		Deficit - 75,967 tons			
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	<b>REMARKS</b>
Topography	Climate			Name of responsible PIO: Zamboanga del Norte PIO	
plain/flat	Type: III, IV			No. of Permanent Staff	_____ persons
undulating/rolling	Annual Rainfall 2,337 mm			Technical/engineering staff	13 persons
hilly/mountancous	wet season			Administrative staff	13 persons
swamp/others	dry season			No. of Contractual Staff	_____ persons
Total	Frequency of Typhoon			Total	26 persons
Soils	Hydrology				
Arable land 2,612.41 sq.km	Estimated annual runoff				
Suitable for:	wet season				
paddy 6 %	dry season				
diversified crops 94 %	Annual flooded area				