

PROVINCIAL IRRIGATION PROFILE		Province: ZAMBOANGA DEL SUR	Region: IX	File No: 54					
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>					
Land Area	8,051.90 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	49,832 ha				
Population 1990	1,546,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)					
Population 2000	2,104,000 persons	Irrigated Paddy	86,630 ha	264,865 tons	3.06 tons/ha	National Irrigation System (NIS)			
Population Density (1990)	192 persons /sq.km	Wet Season				No. of Systems	4 no.		
Population Growth Rate	2.7 %	Dry Season				Irrigation Service Area	13,991 ha		
Rural population (1990)	1,282,000 persons	Rainfed paddy				Actually Irrigated Area		wet _____ ha dry _____ ha	
Urban population (1990)	264,000 persons	Corn	124,350 ha	147,740 tons	0.92 tons/ha	Cropping Intensity		%	
No. of Households	284,000 no.	Leguminous crops	1,647 ha	655 tons	0.40 tons/ha	No. of Beneficiary Farmers	8,308 no.		
No. of Farm Households	237,000 no.	Tuber crops	5,042 ha	23,369 tons	4.63 tons/ha	Communal Irrigation System (CIS)			
% of farm household	83 %	Vegetables/fruits	4,959 ha	41,767 tons	8.42 tons/ha	No. of Systems	85 no.		
RGDP (1989)	32,866 M Pesos	Tobacco	129 ha	26 tons	0.20 tons/ha	Irrigation Service Area	10,349 ha	wet _____ ha dry _____ ha	
Per Capita RGDP (1989)	10,447 Pesos	Sugar Cane				Actually Irrigated Area			
Rural	19,503 M Pesos	Others				Cropping Intensity		%	
Urban	13,363 M Pesos	sub-total	222,757 ha			No. of Beneficiary Farmers		no.	
Rural Per Capita RGDP	7,478 Pesos	Permanent Crops	160,627 ha	558,947 tons	3.48 tons/ha	Pump Irrigation System (PIS)			
(Above or Below National Average per capita RGDP)		Total	383,384 ha			No. of Systems	198 no.		
Above	+ 23.7 %	Ratio of Agricultural Land against Total Land	39.0 %			Irrigation Service Area	1,803 ha	wet _____ ha dry _____ ha	
Below	- _____ %	Average Cropping Intensity	122.0 %			Actually Irrigated Area			
Income Class of Province	2nd	Average Farm Size	1.3 ha			Cropping Intensity		%	
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989)		52.5 %			
CARP Priority Province	Yes	Crop Production	7,031 M Pesos	36.1 %	Status of Inventoried Sub-projects under SSIDP				
Area for distribution under CARP (EP)	3,414 ha	Forestry	806 M Pesos	4.1 %	Existing System				
Status of Issuance of Emancipation Patents (1990)	259.6 %	Fishery	10,283 M Pesos	52.7 %	No. of Systems	51 no.			
No. of Units	13,306 unit	Livestock	1,383 M Pesos	7.1 %	Irrigation Service Area	7,867 ha			
Total Area	8,862 ha	Total	19,503 M Pesos	100.0 %	Actually Irrigated Area	6,593 ha	wet 6,593 ha	dry 5,794 ha	
Total No. of Farmer-Beneficiaries	8,904 no.	Share of Agricultural Sector in RGDP	59.3 %	New Projects		Cropping Intensity	186 %		
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice		1989		No. of Beneficiary Farmers		no.	
CISs	10 no.	Total Gross Paddy Production	288,608 tons	Seeds, Feeds&Wastes		27,418 tons			
CIPs	10 no.	Total Net Paddy Production	261,190 tons	Milling Recovery		65 %			
Total	20 no.	Availability of Rice for Consumption	169,774 tons	Per capita Availability of Rice		110 Kg			
<b>PHYSICAL PROFILE</b>		Total Demand for Rice	168,870 tons	Total Demand for Rice		241,238 tons			
Topography	Climate	Surplus	+ 904 tons	2000		Total Gross Paddy Production	278,004 tons		
plain/flat	Type: III, IV	Deficit	- _____ tons	Total Net Paddy Production		251,594 tons			
undulating/rolling	Annual Rainfall			Milling Recovery		65 %			
hilly/mountaneous	wet season			Availability of Rice for Consumption		163,536 tons			
swamp/others	dry season			Per capita Availability of Rice		78 Kg			
Total	Frequency of Typhoon			Total Demand for Rice		241,238 tons			
Soils	Hydrology	Surplus	+ _____ tons	Deficit		- 77,702 tons			
Arable land	Estimated annual runoff			Provincial Irrigation Office (PIO)		Name of responsible PIO: Zamboanga del Sur PIO		REMARKS	
Suitable for:	wet season			No. of Permanent Staff		18 persons			
paddy	dry season			Technical/engineering staff		_____ persons			
diversified crops	Annual flooded area			Administrative staff		_____ persons			
				No. of Contractual Staff		9 persons			
				Total		27 persons			



PROVINCIAL IRRIGATION PROFILE		Province: <b>SULU</b>	Region: <b>IX</b>	File No: <b>56</b>	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	1,600.40 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	2,710 ha
Population 1990	466,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)	
Population 2000	511,000 persons	Irrigated Paddy	7,760 ha 9,633 tons 1.24 tons/ha	National Irrigation System (NIS)	
Population Density (1990)	291 persons /sq.km	Wet Season	ha tons tons/ha	No. of Systems	None no.
Population Growth Rate	2.6 %	Dry Season	ha tons tons/ha	Irrigation Service Area	- ha
Rural population (1990)	386,000 persons 83 %	Rainfed paddy	ha tons tons/ha	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Urban population (1990)	80,000 persons 17 %	Corn	34,680 ha 14,560 tons 0.56 tons/ha	Cropping Intensity	- %
No. of Households	82,000 no.	Leguminous crops	447 ha 315 tons 0.70 tons/ha	No. of Beneficiary Farmers	- no.
No. of Farm Households	68,000 no.	Tuber crops	26,156 ha 127,961 tons 4.89 tons/ha	Communal Irrigation System (CIS)	
% of farm household	83 %	Vegetables/fruits	2,021 ha 18,449 tons 9.13 tons/ha	No. of Systems	None no.
RGDP (1989)	32,866 M Pesos	Tobacco	ha tons tons/ha	Irrigation Service Area	- ha
Per Capita RGDP (1989)	10,447 Pesos	Sugar Cane	ha tons tons/ha	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Rural	19,503 M Pesos 59.3 %	Others	ha tons tons/ha	Cropping Intensity	- %
Urban	13,363 M Pesos 40.7 %	sub-total	71,064 ha	No. of Beneficiary Farmers	- no.
Rural Per Capita RGDP	7,478 Pesos	Permanent Crops	54,490 ha 159,211 tons 2.92 tons/ha	Pump Irrigation System (PIS)	
(Above or Below National Average per capita RGDP)		Total	125,554 ha	No. of Systems	None no.
Above +	23.7 %	Ratio of Agricultural Land against Total Land	40.2 %	Irrigation Service Area	- ha
Below -	%	Average Cropping Intensity	195.1 %	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Income Class of Province	4th	Average Farm Size	0.9 ha	Cropping Intensity	- %
				No. of Beneficiary Farmers	- no.
				% of Irrigation Development (1989)	0.0 %
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Inventoried Sub-projects under SSIDP	
CARP Priority Province	No	Crop Production	7,031 M Pesos 36.1 %	Existing System	
Area for distribution under CARP (EP)	- ha	Forestry	806 M Pesos 4.1 %	No. of Systems	0 no.
Status of Issuance of Emancipation Patents (1990)	- %	Fishery	10,283 M Pesos 52.7 %	Irrigation Service Area	- ha
No. of Units	76 unit	Livestock	1,383 M Pesos 7.1 %	Actually Irrigated Area	- ha wet _____ ha dry _____ ha
Total Area	116 ha	Total	19,503 M Pesos 100.0 %	Cropping Intensity	- %
Total No. of Farmer-Beneficiaries	76 no.	Share of Agricultural Sector in RGDP	59.3 %	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. 100 ha	1989		No. of Projects	4 no.
CIPs	2 no. 386 ha	Total Gross Paddy Production	9,633 tons	Irrigation Service Area	950 ha wet 950 ha dry 950 ha
Total	4 no. 486 ha	Seeds, Feeds&Wastes	915 tons	Cropping Intensity	100 %
		Total Net Paddy Production	8,713 tons	No. of Beneficiary Farmers	- no.
		Milling Recovery	65 %	All of Inventoried Sub-projects	
		Availability of Rice for Consumption	5,667 tons	No. of Systems/projects	4 no.
		Per capita Availability of Rice	12 Kg	Irrigation Service Area	950 ha
		Total Demand for Rice	50,901 tons	No. of Beneficiary Farmers	- no.
		Surplus	+ tons	Average Size of Inventoried Sub-projects	- ha
		Deficit	- 45,235 tons	Existing system	0 ha
		2000		New projects	238 ha
		Total Gross Paddy Production	9,048 tons		
		Seeds, Feeds&Wastes	860 tons		
		Total Net Paddy Production	8,188 tons		
		Milling Recovery	65 %		
		Availability of Rice for Consumption	5,322 tons		
		Per capita Availability of Rice	10 Kg		
		Total Demand for Rice	58,597 tons		
		Surplus	+ tons		
		Deficit	- 53,275 tons		
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	<b>REMARKS</b>
Topography	Climate			Name of responsible PIO:	None
plain/flat	% Type: IV			No. of Permanent Staff	_____ persons
undulating/rolling	% Annual Rainfall 2,048 mm			Technical/engineering staff	_____ persons
hilly/mountaneous	% wet season			Administrative staff	_____ persons
swamp/others	% dry season			No. of Contractual Staff	_____ persons
Total	% Frequency of Typhoon			Total	0 persons
Soils	Hydrology				
Arable land	Estimated annual runoff				
Suitable for:	wet season				
paddy	6.4 %				
diversified crops	93.6 %				
	Annual flooded area				



PROVINCIAL IRRIGATION PROFILE		Province: SURIGAO DEL NORTE	Region: X	File No: 58	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	2,739.00 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	13,814 ha
Population 1990	426,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	572,000 persons	Irrigated Paddy	19,250 ha	54,690 tons	2.84 tons/ha
Population Density (1990)	156 persons /sq.km	Wet Season			
Population Growth Rate	1.6 %	Dry Season			
Rural population (1990)	313,000 persons 73 %	Rainfed paddy			
Urban population (1990)	113,000 persons 27 %	Corn	1,130 ha	775 tons	0.69 tons/ha
No. of Households	78,000 no.	Leguminous crops	207 ha	64 tons	0.31 tons/ha
No. of Farm Households	58,000 no.	Tuber crops	11,110 ha	39,960 tons	3.60 tons/ha
% of farm household	74 %	Vegetables/fruits	6,859 ha	52,506 tons	7.66 tons/ha
RGDP (1989)	51,960 M Pesos	Tobacco	9 ha	4 tons	0.44 tons/ha
Per Capita RGDP (1989)	14,833 Pesos	Sugar Cane			
Rural	19,930 M Pesos 38.4 %	Others			
Urban	32,030 M Pesos 61.6 %	sub-total	38,565 ha		
Rural Per Capita RGDP	7,752 Pesos	Permanent Crops	119,292 ha	329,756 tons	2.76 tons/ha
(Above or Below National Average per capita RGDP)		Total	157,857 ha		
Above +	28.3 %	Ratio of Agricultural Land against Total Land	41.8 %		
Below -		Average Cropping Intensity	138.0 %		
Income Class of Province	4th	Average Farm Size	2.0 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	No	Crop Production	14,301 M Pesos 71.7 %	National Irrigation System (NIS)	
Area for distribution under CARP (EP)	145 ha	Forestry	3,203 M Pesos 16.1 %	No. of Systems	None no.
Status of Issuance of Emancipation Patents (1990)	744.1 %	Fishery	621 M Pesos 3.1 %	Irrigation Service Area	- ha
No. of Units	1,592 unit	Livestock	1,805 M Pesos 9.1 %	Actually Irrigated Area	- ha
Total Area	1,079 ha	Total	19,930 M Pesos 100.0 %	Cropping Intensity	- %
Total No. of Farmer-Beneficiaries	1,318 no.	Share of Agricultural Sector in RGDP	38.4 %	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	no. ha	1989		No. of Systems	73 no.
CIPs	13 no. 2,075 ha	Total Gross Paddy Production	54,690 tons	Irrigation Service Area	4,567 ha
Total	13 no. 2,075 ha	Seeds, Feeds&Wastes	5,196 tons	Actually Irrigated Area	3,073 ha
<b>PHYSICAL PROFILE</b>		Total Net Paddy Production	49,494 tons	Cropping Intensity	- %
Topography	Climate	Milling Recovery	65 %	No. of Beneficiary Farmers	- no.
plain/flat	Type: II	Availability of Rice for Consumption	32,171 tons	Pump Irrigation System (PIS)	
undulating/rolling	Annual Rainfall 3,676 mm	Per capita Availability of Rice	76 Kg	No. of Systems	45 no.
hilly/mountaneous	wet season	Total Demand for Rice	59,870 tons	Irrigation Service Area	646 ha
swamp/others	dry season	Surplus	+ tons	Actually Irrigated Area	- ha
Total	Frequency of Typhoon	Deficit	- 27,699 tons	Cropping Intensity	- %
Soils	Hydrology	2000		No. of Beneficiary Farmers	- no.
Arable land	Estimated annual runoff	Total Gross Paddy Production	44,337 tons	All of Inventoried Sub-projects	
Suitable for:	wet season	Seeds, Feeds&Wastes	4,212 tons	No. of Systems/projects	41 no.
paddy	dry season	Total Net Paddy Production	40,125 tons	Irrigation Service Area	4,059 ha
diversified crops	Annual flooded area	Milling Recovery	%	No. of Beneficiary Farmers	- no.
		Availability of Rice for Consumption	26,081 tons	Average Size of Inventoried Sub-projects	ha
		Per capita Availability of Rice	46 Kg	Existing system	110 ha
		Total Demand for Rice	84,426 tons	New projects	87 ha
		Surplus	+ tons	<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
		Deficit	- 58,345 tons	<b>REMARKS</b>	
				Name of responsible PIO: SURIGAO DEL NORTE PIO	
				No. of Permanent Staff 15 persons	
				Technical/engineering staff persons	
				Administrative staff persons	
				No. of Contractual Staff 14 persons	
				Total 29 persons	





PROVINCIAL IRRIGATION PROFILE		Province: MISAMIS ORIENTAL		Region: X		File No: 61	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>			
Land Area <u>3,570.10</u> sq.km		Agricultural Land Use (1989)		Potential Irrigable Area <u>8,985</u> ha			
Population 1990 <u>865,000</u> persons		Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)			
Population 2000 <u>1,108,000</u> persons		Irrigated Paddy <u>11,540</u> ha <u>29,316</u> tons <u>2.54</u> tons/ha		National Irrigation System (NIS)			
Population Density (1990) <u>242</u> persons /sq.km		Wet Season _____ ha _____ tons _____ tons/ha		No. of Systems <u>None</u> no.			
Population Growth Rate <u>2.3</u> %		Dry Season _____ ha _____ tons _____ tons/ha		Irrigation Service Area _____ ha			
Rural population (1990) <u>635,000</u> persons <u>73</u> %		Rainfed paddy _____ ha _____ tons _____ tons/ha		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha			
Urban population (1990) <u>230,000</u> persons <u>17</u> %		Corn <u>45,910</u> ha <u>44,038</u> tons <u>0.96</u> tons/ha		Cropping Intensity _____ %			
No. of Households <u>160,000</u> no.		Leguminous crops <u>385</u> ha <u>180</u> tons <u>0.47</u> tons/ha		No. of Beneficiary Farmers _____ no.			
No. of Farm Households <u>118,000</u> no.		Tuber crops <u>5,118</u> ha <u>45,363</u> tons <u>8.86</u> tons/ha		Communal Irrigation System (CIS)			
% of farm household <u>74</u> %		Vegetables/fruits <u>11,140</u> ha <u>140,421</u> tons <u>12.58</u> tons/ha		No. of Systems <u>26</u> no.			
RGDP (1989) <u>51,960 M</u> Pesos		Tobacco _____ ha _____ tons _____ tons/ha		Irrigation Service Area <u>3,003</u> ha			
Per Capita RGDP (1989) <u>14,833</u> Pesos		Sugar Cane _____ ha _____ tons _____ tons/ha		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha			
Rural <u>19,930 M</u> Pesos <u>38.4</u> %		Others _____ ha _____ tons _____ tons/ha		Cropping Intensity _____ %			
Urban <u>32,030 M</u> Pesos <u>61.6</u> %		sub-total <u>74,093</u> ha		No. of Beneficiary Farmers _____ no.			
Rural Per Capita RGDP <u>7,752</u> Pesos		Permanent Crops <u>86,841</u> ha <u>290,540</u> tons <u>3.30</u> tons/ha		Pump Irrigation System (PIS)			
(Above or Below National Average per capita RGDP)		Total <u>160,934</u> ha		No. of Systems <u>5</u> no.			
Above + <u>28.3</u> %		Ratio of Agricultural Land against Total Land <u>54.7</u> %		Irrigation Service Area <u>95</u> ha			
Below - _____ %		Average Cropping Intensity <u>82.5</u> %		Actually Irrigated Area _____ ha wet _____ ha dry _____ ha			
Income Class of Province <u>2nd</u>		Average Farm Size <u>1.7</u> ha		Cropping Intensity _____ %			
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989) <u>34.5</u> %			
CARP Priority Province No		Crop Production <u>14,301 M</u> Pesos <u>71.7</u> %		Status of Inventoried Sub-projects under SSIDP			
Area for distribution under CARP (EP) _____ ha		Forestry <u>3,203 M</u> Pesos <u>16.1</u> %		Existing System			
Status of Issuance of Emancipation Patents (1990)		Fishery <u>621 M</u> Pesos <u>3.1</u> %		No. of Systems <u>16</u> no.			
No. of Units <u>2,568</u> unit		Livestock <u>1,805 M</u> Pesos <u>9.1</u> %		Irrigation Service Area <u>2,490</u> ha			
Total Area <u>2,654</u> ha		Total <u>19,930 M</u> Pesos <u>100.0</u> %		Actually Irrigated Area <u>1,509</u> ha wet <u>1,509</u> ha dry <u>1,484</u> ha			
Total No. of Farmer-Beneficiaries <u>2,221</u> no.		Share of Agricultural Sector in RGDP <u>38.4</u> %		Cropping Intensity <u>199</u> %			
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989		No. of Beneficiary Farmers _____ no.			
CISs <u>1</u> no. <u>102</u> ha		Total Gross Paddy Production <u>29,316</u> tons		New Projects			
CIPs <u>17</u> no. <u>1,735</u> ha		Seeds, Feeds&Wastes <u>2,785</u> tons		No. of Projects <u>13</u> no.			
Total <u>18</u> no. <u>1,837</u> ha		Total Net Paddy Production <u>26,531</u> tons		Irrigation Service Area <u>1,150</u> ha wet <u>1,150</u> ha dry <u>1,054</u> ha			
<b>PHYSICAL PROFILE</b>		Milling Recovery <u>65</u> %		Cropping Intensity <u>164</u> %			
Topography Climate		Availability of Rice for Consumption <u>17,245</u> tons		No. of Beneficiary Farmers _____ no.			
plain/flat <u>3.25</u> % Type: <u>II, III</u>		Per capita Availability of Rice <u>20</u> Kg		Average Size of Inventoried Sub-projects _____ ha			
undulating/rolling _____ % Annual Rainfall <u>6,548</u> mm		Total Demand for Rice <u>121,567</u> tons		Existing system <u>156</u> ha			
hilly/mountaneous _____ % wet season _____ mm		Surplus + _____ tons		New projects <u>88</u> ha			
swamp/others _____ % dry season _____ mm		Deficit - <u>104,332</u> tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>			
Total <u>3.25</u> % Frequency of Typhoon _____ %		2000		Name of responsible PIO: <u>Misamis Oriental</u>			
Soils Hydrology		Total Gross Paddy Production <u>22,296</u> tons		No. of Permanent Staff _____ persons			
Arable land <u>1,951.69</u> sq.km Estimated annual runoff _____ MCM		Seeds, Feeds&Wastes <u>2,118</u> tons		Technical/engineering staff <u>11</u> persons			
Suitable for: wet season _____ MCM		Total Net Paddy Production <u>20,178</u> tons		Administrative staff _____ persons			
paddy <u>1.6</u> % dry season _____ MCM		Milling Recovery <u>65</u> %		No. of Contractual Staff <u>36</u> persons			
diversified crops <u>98.4</u> % Annual flooded area _____ sq.km		Availability of Rice for Consumption <u>13,116</u> tons		Total <u>47</u> persons			
		Per capita Availability of Rice <u>12</u> Kg		<b>REMARKS</b>			
		Total Demand for Rice <u>163,493</u> tons					
		Surplus + _____ tons					
		Deficit - <u>150,377</u> tons					



PROVINCIAL IRRIGATION PROFILE		Province: MISAMIS OCCIDENTAL	Region: X	File No: 62	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	1,939.30 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	10,340 ha
Population 1990	424,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	523,000 persons	Irrigated Paddy	10,650 ha	31,708 tons	2.98 tons/ha
Population Density (1990)	219 persons /sq.km	Wet Season			
Population Growth Rate	0.9 %	Dry Season			
Rural population (1990)	311,000 persons	Rainfed paddy			
Urban population (1990)	113,000 persons	Corn	17,320 ha	16,907 tons	0.98 tons/ha
No. of Households	78,000 no.	Leguminous crops	237 ha	94 tons	0.40 tons/ha
No. of Farm Households	58,000 no.	Tuber crops	1,104 ha	8,161 tons	7.39 tons/ha
% of farm household	74 %	Vegetables/fruits	2,876 ha	12,351 tons	4.29 tons/ha
RGDP (1989)	51,960 M Pesos	Tobacco			
Per Capita RGDP (1989)	14,833 Pesos	Sugar Cane			
Rural	19,930 M Pesos	Others			
Urban	32,030 M Pesos	sub-total	32,187 ha		
Rural Per Capita RGDP	7,752 Pesos	Permanent Crops	109,279 ha	188,846 tons	1.73 tons/ha
(Above or Below National Average per capita RGDP)		Total	141,466 ha		
Above	+ 28.3 %	Ratio of Agricultural Land against Total Land	59.6 %		
Below	- %	Average Cropping Intensity	122.3 %		
Income Class of Province	5th	Average Farm Size	2.0 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	No	Crop Production	14,301 M Pesos	71.7 %	
Area for distribution under CARP (EP)	342 ha	Forestry	3,203 M Pesos	16.1 %	
Status of Issuance of Emancipation Patents (1990)	360.8 %	Fishery	621 M Pesos	3.1 %	
No. of Units	2,098 unit	Livestock	1,805 M Pesos	9.1 %	
Total Area	1,234 ha	Total	19,930 M Pesos	100.0 %	
Total No. of Farmer-Beneficiaries	1,768 no.	Share of Agricultural Sector in RGDP	38.4 %		
No. of CISOs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice 1989			
CISOs	1 no.	Total Gross Paddy Production	31,708 tons		
CIPs	4 no.	Seeds, Feeds&Wastes	3,012 tons		
Total	5 no.	Total Net Paddy Production	28,696 tons		
<b>PHYSICAL PROFILE</b>		Availability of Rice for Consumption		National Irrigation System (NIS)	
Topography	Climate	Per capita Availability of Rice	44 Kg	No. of Systems	1 no.
plain/flat	% Type: IV	Total Demand for Rice	59,589 tons	Irrigation Service Area	1,447 ha
undulating/rolling	% Annual Rainfall	Surplus	+ tons	Actually Irrigated Area	ha
hilly/mountaneous	% wet season	Deficit	- 40,937 tons	Cropping Intensity	%
swamp/others	% dry season	2000		No. of Beneficiary Farmers	8,672 no.
Total	% Frequency of Typhoon	Total Gross Paddy Production	32,586 tons	Communal Irrigation System (CIS)	
Soils	Hydrology	Seeds, Feeds&Wastes	3,096 tons	No. of Systems	74 no.
Arable land	Estimated annual runoff	Total Net Paddy Production	29,490 tons	Irrigation Service Area	5,409 ha
Suitable for:	wet season	Milling Recovery	65 %	Actually Irrigated Area	41,751 ha
paddy	6.6 % dry season	Availability of Rice for Consumption	19,169 tons	Cropping Intensity	%
diversified crops	93.4 % Annual flooded area	Per capita Availability of Rice	37 Kg	No. of Beneficiary Farmers	8,751 no.
		Total Demand for Rice	77,102 tons	Pump Irrigation System (PIS)	
		Surplus	+ tons	No. of Systems	36 no.
		Deficit	- 57,934 tons	Irrigation Service Area	0 ha
				Actually Irrigated Area	0 ha
				Cropping Intensity	0 %
				No. of Beneficiary Farmers	no.
				% of Irrigation Development (1989)	66.3 %
				Status of Inventoried Sub-projects under SSIDP	
				Existing System	
				No. of Systems	20 no.
				Irrigation Service Area	2,710 ha
				Actually Irrigated Area	2,160 ha
				Cropping Intensity	195 %
				No. of Beneficiary Farmers	no.
				New Projects	
				No. of Projects	3 no.
				Irrigation Service Area	729 ha
				Actually Irrigated Area	729 ha
				Cropping Intensity	%
				No. of Beneficiary Farmers	no.
				All of Inventoried Sub-projects	
				No. of Systems/projects	23 no.
				Irrigation Service Area	3,439 ha
				No. of Beneficiary Farmers	no.
				Average Size of Inventoried Sub-projects	ha
				Existing system	136 ha
				New projects	243 ha
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
				Name of responsible PIO: MISAMIS OCCIDENTAL PIO	
				No. of Permanent Staff	
				Technical/engineering staff	
				Administrative staff	
				No. of Contractual Staff	
				Total	
				<b>REMARKS</b>	

PROVINCIAL IRRIGATION PROFILE			Province: BUKIDNON			Region: X			File No: 63		
<b>SOCIO-ECONOMIC BACKGROUND</b>			<b>AGRICULTURE</b>			<b>IRRIGATION</b>					
Land Area <u>8,293.78</u> sq.km			Agricultural Land Use (1989)			Potential Irrigable Area <u>78,116</u> ha					
Population 1990 <u>844,000</u> persons			Crops Cultivated Area Production Unit Yield			Status of Irrigation Development (1989)					
Population 2000 <u>1,244,000</u> persons			Irrigated Paddy <u>76,470</u> ha <u>264,547</u> tons <u>3.46</u> tons/ha			National Irrigation System (NIS)					
Population Density (1990) <u>102</u> persons /sq.km			Wet Season _____ ha _____ tons _____ tons/ha			No. of Systems <u>4</u> no.					
Population Growth Rate <u>2.9</u> %			Dry Season _____ ha _____ tons _____ tons/ha			Irrigation Service Area <u>23,754</u> ha					
Rural population (1990) <u>619,000</u> persons <u>73</u> %			Rainfed paddy _____ ha _____ tons _____ tons/ha			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Urban population (1990) <u>225,000</u> persons <u>17</u> %			Corn <u>200,360</u> ha <u>312,697</u> tons <u>1.56</u> tons/ha			Cropping Intensity _____ %					
No. of Households <u>152,000</u> no.			Leguminous crops <u>583</u> ha <u>582</u> tons <u>1.00</u> tons/ha			No. of Beneficiary Farmers <u>7,068</u> no.					
No. of Farm Households <u>111,000</u> no.			Tuber crops <u>5,108</u> ha <u>53,917</u> tons <u>10.56</u> tons/ha			Communal Irrigation System (CIS)					
% of farm household <u>73</u> %			Vegetables/fruits <u>39,366</u> ha <u>663,795</u> tons <u>16.86</u> tons/ha			No. of Systems <u>34</u> no.					
RGDP (1989) <u>51,960 M</u> Pesos			Tobacco <u>7,615</u> ha <u>475</u> tons <u>0.06</u> tons/ha			Irrigation Service Area <u>6,425</u> ha					
Per Capita RGDP (1989) <u>14,833</u> Pesos			Sugar Cane _____ ha _____ tons _____ tons/ha			Actually Irrigated Area <u>4,029</u> ha wet _____ ha dry _____ ha					
Rural <u>19,930 M</u> Pesos <u>38.4</u> %			Others _____ ha _____ tons _____ tons/ha			Cropping Intensity _____ %					
Urban <u>32,030 M</u> Pesos <u>61.6</u> %			sub-total <u>329,502</u> ha			No. of Beneficiary Farmers <u>2,636</u> no.					
Rural Per Capita RGDP <u>7,752</u> Pesos			Permanent Crops <u>28,197</u> ha <u>57,922</u> tons <u>2.05</u> tons/ha			Pump Irrigation System (PIS)					
(Above or Below National Average per capita RGDP)			Total <u>357,699</u> ha			No. of Systems <u>None</u> no.					
Above + <u>28.3</u> %			Ratio of Agricultural Land against Total Land <u>32.7</u> %			Irrigation Service Area _____ ha					
Below - _____ %			Average Cropping Intensity <u>132.1</u> %			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Income Class of Province <u>2nd</u>			Average Farm Size <u>2.4</u> ha			Cropping Intensity _____ %					
<b>RELATION WITH CARP</b>			Total Agricultural Production Values (1989)			% of Irrigation Development (1989) <u>38.6</u> %					
CARP Priority Province Yes			Crop Production <u>14,301 M</u> Pesos <u>71.7</u> %			Status of Inventoried Sub-projects under S\$IDP					
Area for distribution under CARP (EP) <u>3,167</u> ha			Forestry <u>3,203 M</u> Pesos <u>16.1</u> %			Existing System					
Status of Issuance of Emancipation Patents (1990)			Fishery <u>621 M</u> Pesos <u>3.1</u> %			No. of Systems <u>31</u> no.					
No. of Units <u>7,775</u> unit			Livestock <u>1,805 M</u> Pesos <u>9.1</u> %			Irrigation Service Area <u>5,217</u> ha					
Total Area <u>10,531</u> ha			Total <u>19,930 M</u> Pesos <u>100.0</u> %			Actually Irrigated Area <u>3,010</u> ha wet <u>3,010</u> ha dry <u>2,377</u> ha					
Total No. of Farmer-Beneficiaries <u>6,336</u> no.			Share of Agricultural Sector in RGDP _____ %			Cropping Intensity <u>189</u> %					
No. of CISs/CIPs for implementation under CARP-IC			Supply and Demand Condition of Rice			No. of Beneficiary Farmers _____ no.					
CISs _____ no. _____ ha			1989			New Projects					
CIPs <u>16</u> no. <u>5,090</u> ha			Total Gross Paddy Production <u>264,547</u> tons			No. of Projects <u>41</u> no.					
Total <u>16</u> no. <u>5,090</u> ha			Seeds, Feeds&Wastes <u>25,132</u> tons			Irrigation Service Area <u>8,270</u> ha wet <u>8,270</u> ha dry <u>8,240</u> ha					
<b>PHYSICAL PROFILE</b>			Total Net Paddy Production <u>239,415</u> tons			Cropping Intensity <u>199</u> %					
Topography Climate			Milling Recovery <u>65</u> %			No. of Beneficiary Farmers _____ no.					
plain/flat _____ % Type: <u>III, IV</u>			Availability of Rice for Consumption <u>155,620</u> tons			All of Inventoried Sub-projects					
undulating/rolling _____ % Annual Rainfall <u>2,794</u> mm			Per capita Availability of Rice <u>184</u> Kg			No. of Systems/projects <u>72</u> no.					
hilly/mountaneous _____ % wet season _____ mm			Total Demand for Rice <u>118,616</u> tons			Irrigation Service Area <u>13,487</u> ha					
swamp/others _____ % dry season _____ mm			Surplus <u>37,004</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>168</u> ha					
Arable land <u>2,707.95</u> sq.km Estimated annual runoff _____ MCM			Total Gross Paddy Production <u>184,543</u> tons			New projects <u>202</u> ha					
Suitable for: wet season _____ MCM			Seeds, Feeds&Wastes <u>17,532</u> tons			<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>					
paddy <u>17</u> % dry season _____ MCM			Total Net Paddy Production <u>167,011</u> tons			Name of responsible PIO: <u>BUKIDNON PIO</u>					
diversified crops <u>83</u> % Annual flooded area _____ sq.km			Milling Recovery <u>65</u> %			No. of Permanent Staff _____ persons					
			Availability of Rice for Consumption <u>108,557</u> tons			Technical/engineering staff <u>9</u> persons					
			Per capita Availability of Rice <u>87</u> Kg			Administrative staff <u>6</u> persons					
			Total Demand for Rice <u>183,437</u> tons			No. of Contractual Staff <u>14</u> persons					
			Surplus <u>74,880</u> tons			Total <u>29</u> persons					
			Deficit <u>74,880</u> tons			<b>REMARKS</b>					

PROVINCIAL IRRIGATION PROFILE				Province: AGUSAN DEL SUR				Region: X				File No: 64			
<b>SOCIO-ECONOMIC BACKGROUND</b>				<b>AGRICULTURE</b>				<b>IRRIGATION</b>							
Land Area <u>8,965.50</u> sq.km				Agricultural Land Use (1989)				Potential Irrigable Area <u>94,923</u> ha							
Population 1990 <u>416,000</u> persons				Crops Cultivated Area Production Unit Yield				Status of Irrigation Development (1989)							
Population 2000 <u>531,000</u> persons				Irrigated Paddy <u>16,230</u> ha <u>48,161</u> tons <u>2.77</u> tons/ha				National Irrigation System (NIS)							
Population Density (1990) <u>46</u> persons /sq.km				Wet Season _____ ha _____ tons _____ tons/ha				No. of Systems <u>2</u> no.							
Population Growth Rate <u>4.6</u> %				Dry Season _____ ha _____ tons _____ tons/ha				Irrigation Service Area <u>6,933</u> ha							
Rural population (1990) <u>305,000</u> persons <u>73</u> %				Rainfed paddy _____ ha _____ tons _____ tons/ha				Actually Irrigated Area _____ ha wet _____ ha dry _____ ha							
Urban population (1990) <u>111,000</u> persons <u>17</u> %				Corn <u>21,760</u> ha <u>28,479</u> tons <u>1.31</u> tons/ha				Cropping Intensity _____ %							
No. of Households <u>73,000</u> no.				Leguminous crops <u>272</u> ha <u>100</u> tons <u>0.37</u> tons/ha				No. of Beneficiary Farmers <u>2,913</u> no.							
No. of Farm Households <u>54,000</u> no.				Tuber crops <u>1,590</u> ha <u>3,376</u> tons <u>2.12</u> tons/ha				Communal Irrigation System (CIS)							
% of farm household <u>74</u> %				Vegetables/fruits <u>8,183</u> ha <u>84,125</u> tons <u>10.28</u> tons/ha				No. of Systems <u>41</u> no.							
RGDP (1989) <u>51,960 M</u> Pesos				Tobacco <u>3</u> ha <u>5</u> tons <u>1.67</u> tons/ha				Irrigation Service Area <u>3,395</u> ha							
Per Capita RGDP (1989) <u>14,833</u> Pesos				Sugar Cane _____ ha _____ tons _____ tons/ha				Actually Irrigated Area _____ ha wet _____ ha dry _____ ha							
Rural <u>19,930 M</u> Pesos <u>38.4</u> %				Others _____ ha _____ tons _____ tons/ha				Cropping Intensity _____ %							
Urban <u>32,030 M</u> Pesos <u>61.6</u> %				sub-total <u>48,038</u> ha				No. of Beneficiary Farmers _____ no.							
Rural Per Capita RGDP <u>7,752</u> Pesos				Permanent Crops <u>12,907</u> ha <u>4,369</u> tons <u>0.34</u> tons/ha				Pump Irrigation System (PIS)							
(Above or Below National Average per capita RGDP)				Total <u>60,945</u> ha				No. of Systems <u>82</u> no.							
Above + <u>28.3</u> %				Ratio of Agricultural Land against Total Land <u>35.3</u> %				Irrigation Service Area <u>618</u> ha							
Below - _____ %				Average Cropping Intensity <u>19.2</u> %				Actually Irrigated Area _____ ha wet _____ ha dry _____ ha							
Income Class of Province <u>3rd</u>				Average Farm Size <u>5.9</u> ha				Cropping Intensity _____ %							
<b>RELATION WITH CARP</b>				Total Agricultural Production Values (1989)				% of Irrigation Development (1989) <u>11.5</u> %							
CARP Priority Province Yes				Crop Production <u>14,301 M</u> Pesos <u>71.7</u> %				Status of Inventoried Sub-projects under S&IDP							
Area for distribution under CARP (EP) <u>751</u> ha				Forestry <u>3,203 M</u> Pesos <u>16.1</u> %				Existing System							
Status of Issuance of Emancipation Patents (1990) <u>289.3</u> %				Fishery <u>621 M</u> Pesos <u>3.1</u> %				No. of Systems <u>16</u> no.							
No. of Units <u>1,733</u> unit				Livestock <u>1,805 M</u> Pesos <u>9.1</u> %				Irrigation Service Area <u>3,025</u> ha							
Total Area <u>2,173</u> ha				Total <u>19,930 M</u> Pesos <u>100.0</u> %				Actually Irrigated Area <u>871</u> ha wet <u>871</u> ha dry <u>836</u> ha							
Total No. of Farmer-Beneficiaries <u>1,484</u> no.				Share of Agricultural Sector in RGDP _____ %				Cropping Intensity <u>198</u> %							
No. of CISs/CIPs for implementation under CARP-IC				Supply and Demand Condition of Rice				No. of Beneficiary Farmers _____ no.							
CISs _____ no. _____ ha				1989				New Projects							
CIPs <u>18</u> no. <u>4,526</u> ha				Total Gross Paddy Production <u>48,161</u> tons				No. of Projects <u>26</u> no.							
Total <u>18</u> no. <u>4,526</u> ha				Seeds, Feeds&Wastes <u>4,575</u> tons				Irrigation Service Area <u>6,395</u> ha wet <u>6,395</u> ha dry <u>6,421</u> ha							
<b>PHYSICAL PROFILE</b>				Total Net Paddy Production <u>43,586</u> tons				Cropping Intensity <u>175</u> %							
Topography Climate				Milling Recovery <u>65</u> %				No. of Beneficiary Farmers _____ no.							
plain/flat <u>4.50</u> % Type: <u>II III</u>				Availability of Rice for Consumption <u>28,331</u> tons				All of Inventoried Sub-projects							
undulating/rolling <u>8.60</u> % Annual Rainfall <u>3,249</u> mm				Per capita Availability of Rice <u>68</u> Kg				No. of Systems/projects <u>42</u> no.							
hilly/mountaneous <u>72.20</u> % wet season No dry season mm				Total Demand for Rice <u>58,465</u> tons				Irrigation Service Area <u>9,420</u> ha							
swamp/others <u>14.70</u> % dry season mm				Surplus + _____ tons				No. of Beneficiary Farmers _____ no.							
Total <u>100.00</u> % Frequency of Typhoon _____ %				Deficit - <u>30,134</u> tons				Average Size of Inventoried Sub-projects _____ ha							
Soils Hydrology				2000				Existing system <u>189</u> ha							
Arable land <u>3,167.52</u> sq.km Estimated annual runoff _____ MCM				Total Gross Paddy Production <u>44,374</u> tons				New projects <u>246</u> ha							
Suitable for: wet season _____ MCM				Seeds, Feeds&Wastes <u>4,216</u> tons				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>							
paddy <u>18</u> % dry season _____ MCM				Total Net Paddy Production <u>40,158</u> tons				Name of responsible PIO: <u>AGUSAN DEL SUR PIO</u>							
diversified crops <u>82</u> % Annual flooded area _____ sq.km				Milling Recovery <u>65</u> %				No. of Permanent Staff _____ persons							
				Availability of Rice for Consumption <u>26,103</u> tons				Technical/engineering staff <u>15</u> persons							
				Per capita Availability of Rice <u>49</u> Kg				Administrative staff _____ persons							
				Total Demand for Rice <u>78,265</u> tons				No. of Contractual Staff <u>30</u> persons							
				Surplus + _____ tons				Total <u>45</u> persons							
				Deficit - <u>52,162</u> tons				<b>REMARKS</b>							

PROVINCIAL IRRIGATION PROFILE			Province: SURIGAO DEL SUR			Region: XI			File No: 65																																																														
<b>SOCIO-ECONOMIC BACKGROUND</b>			<b>AGRICULTURE</b>			<b>IRRIGATION</b>																																																																	
Land Area <u>4,552.16</u> sq.km			Agricultural Land Use (1989)			Potential Irrigable Area <u>27,347</u> ha																																																																	
Population 1990 <u>449,000</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>30,200</u> ha</td> <td><u>58,937</u> tons</td> <td><u>1.95</u> 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><u>17,800</u> ha</td> <td><u>18,792</u> tons</td> <td><u>1.06</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>230</u> ha</td> <td><u>106</u> tons</td> <td><u>0.46</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>8,087</u> ha</td> <td><u>50,638</u> tons</td> <td><u>6.26</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>12,914</u> ha</td> <td><u>62,122</u> tons</td> <td><u>4.81</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>10</u> ha</td> <td><u>4</u> tons</td> <td><u>0.40</u> tons/ha</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><u>69,241</u> ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td><u>64,783</u> ha</td> <td><u>36,897</u> tons</td> <td><u>9.57</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>134,024</u> ha</td> <td></td> <td></td> </tr> </tbody> </table>			Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>30,200</u> ha	<u>58,937</u> tons	<u>1.95</u> tons/ha	Wet Season				Dry Season				Rainfed paddy				Corn	<u>17,800</u> ha	<u>18,792</u> tons	<u>1.06</u> tons/ha	Leguminous crops	<u>230</u> ha	<u>106</u> tons	<u>0.46</u> tons/ha	Tuber crops	<u>8,087</u> ha	<u>50,638</u> tons	<u>6.26</u> tons/ha	Vegetables/fruits	<u>12,914</u> ha	<u>62,122</u> tons	<u>4.81</u> tons/ha	Tobacco	<u>10</u> ha	<u>4</u> tons	<u>0.40</u> tons/ha	Sugar Cane				Others				sub-total	<u>69,241</u> ha			Permanent Crops	<u>64,783</u> ha	<u>36,897</u> tons	<u>9.57</u> tons/ha	Total	<u>134,024</u> ha			Status of Irrigation Development (1989)					
Crops	Cultivated Area	Production				Unit Yield																																																																	
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Population 2000 <u>561,000</u> persons			National Irrigation System (NIS)																																																																				
Population Density (1990) <u>99</u> persons /sq.km			No. of Systems <u>2</u> no.																																																																				
Population Growth Rate <u>1.7</u> %			Irrigation Service Area <u>4,410</u> ha																																																																				
Rural population (1990) <u>298,000</u> persons <u>66</u> %			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha																																																																				
Urban population (1990) <u>151,000</u> persons <u>34</u> %			Cropping Intensity _____ %																																																																				
No. of Households <u>80,000</u> no.			No. of Beneficiary Farmers <u>3,191</u> no.																																																																				
No. of Farm Households <u>53,000</u> no.			Communal Irrigation System (CIS)																																																																				
% of farm household <u>66</u> %			No. of Systems <u>32</u> no.																																																																				
RGDP (1989) <u>70,364 M</u> Pesos			Irrigation Service Area <u>3,441</u> ha																																																																				
Per Capita RGDP (1989) <u>15,798</u> Pesos			Actually Irrigated Area <u>(1,261)</u> ha wet _____ ha dry _____ ha																																																																				
Rural <u>29,834 M</u> Pesos <u>42.4</u> %			Cropping Intensity _____ %																																																																				
Urban <u>40,530 M</u> Pesos <u>57.6</u> %			No. of Beneficiary Farmers _____ no.																																																																				
Rural Per Capita RGDP <u>10,090</u> Pesos			Pump Irrigation System (PIS)																																																																				
(Above or Below National Average per capita RGDP)			No. of Systems <u>45</u> no.																																																																				
Above + <u>66.9</u> %			Irrigation Service Area <u>291</u> ha																																																																				
Below - _____ %			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha																																																																				
Income Class of Province <u>3rd</u>			Cropping Intensity _____ %																																																																				
			No. of Beneficiary Farmers _____ no.																																																																				
<b>RELATION WITH CARP</b>			Ratio of Agricultural Land against Total Land <u>28.0</u> %			% of Irrigation Development (1989) <u>29.8</u> %																																																																	
CARP Priority Province No			Average Cropping Intensity <u>105.2</u> %			Status of Inventoried Sub-projects under SSIDP																																																																	
Area for distribution under CARP (EP) <u>377</u> ha			Average Farm Size <u>2.4</u> ha			Existing System																																																																	
Status of Issuance of Emancipation Patents (1990)			Total Agricultural Production Values (1989)			No. of Systems <u>22</u> no.																																																																	
No. of Units <u>965</u> unit			Crop Production <u>22,896 M</u> Pesos <u>76.7</u> %			Irrigation Service Area <u>3,619</u> ha																																																																	
Total Area <u>1,033</u> ha			Forestry <u>4,097 M</u> Pesos <u>13.8</u> %			Actually Irrigated Area <u>2,338</u> ha wet <u>2,338</u> ha dry <u>1,799</u> ha																																																																	
Total No. of Farmer-Beneficiaries <u>794</u> no.			Fishery <u>895 M</u> Pesos <u>3.0</u> %			Cropping Intensity <u>177</u> %																																																																	
No. of CISs/CIPs for implementation under CARP-IC			Livestock <u>1,946 M</u> Pesos <u>6.5</u> %			No. of Beneficiary Farmers _____ no.																																																																	
CISs <u>3</u> no. <u>710</u> ha			Total <u>29,834 M</u> Pesos <u>100.0</u> %			New Projects																																																																	
CIPs <u>15</u> no. <u>3,230</u> 4526			Share of Agricultural Sector in RGDP <u>42.4</u> %			No. of Projects <u>17</u> no.																																																																	
Total <u>18</u> no. <u>3,940</u> ha			Supply and Demand Condition of Rice			Irrigation Service Area <u>3,130</u> ha wet <u>3,130</u> ha dry <u>2,590</u> ha																																																																	
<b>PHYSICAL PROFILE</b>			1989			Cropping Intensity _____ %																																																																	
Topography			Total Gross Paddy Production <u>58,937</u> tons			No. of Beneficiary Farmers _____ no.																																																																	
Climate			Seeds, Feeds & Wastes <u>5,599</u> tons			All of Inventoried Sub-projects																																																																	
plain/flat <u>58.00</u> % Type: <u>II</u>			Total Net Paddy Production <u>53,338</u> tons			No. of Systems/projects <u>39</u> no.																																																																	
undulating/rolling <u>20.00</u> % Annual Rainfall <u>4,647</u> mm			Milling Recovery <u>65</u> %			Irrigation Service Area <u>6,749</u> ha																																																																	
hilly/mountaneous <u>22.00</u> % wet season <u>Evenly</u> mm			Availability of Rice for Consumption <u>34,760</u> tons			No. of Beneficiary Farmers _____ no.																																																																	
swamp/others _____ % dry season <u>Distributed</u> mm			Per capita Availability of Rice <u>77</u> Kg			Average Size of Inventoried Sub-projects																																																																	
Total <u>100.00</u> % Frequency of Typhoon _____ %			Total Demand for Rice <u>41,299</u> tons			Existing system <u>165</u> ha																																																																	
Soils			Surplus _____ tons			New projects <u>184</u> ha																																																																	
Hydrology			Deficit <u>- 6,629</u> tons			<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>																																																																	
Arable land <u>1,274.48</u> sq.km Estimated annual runoff _____ MCM			2000			Name of responsible PIO: <u>SURIGAO DEL SUR PIO</u>																																																																	
Suitable for:			Total Gross Paddy Production <u>52,921</u> tons			No. of Permanent Staff _____ persons																																																																	
paddy <u>17</u> % dry season _____ MCM			Seeds, Feeds & Wastes <u>5,027</u> tons			Technical/engineering staff <u>15</u> persons																																																																	
diversified crops <u>83</u> % Annual flooded area _____ sq.km			Total Net Paddy Production <u>47,894</u> tons			Administrative staff _____ persons																																																																	
			Milling Recovery <u>65</u> %			No. of Contractual Staff <u>5</u> persons																																																																	
			Availability of Rice for Consumption <u>31,131</u> tons			Total <u>20</u> persons																																																																	
			Per capita Availability of Rice <u>55</u> Kg			<b>REMARKS</b>																																																																	
			Total Demand for Rice <u>54,198</u> tons																																																																				
			Surplus _____ tons																																																																				
			Deficit <u>- 23,068</u> tons																																																																				



PROVINCIAL IRRIGATION PROFILE			Province: DAVAO DEL NORTE			Region: XI			File No: 67		
<b>SOCIO-ECONOMIC BACKGROUND</b>			<b>AGRICULTURE</b>			<b>IRRIGATION</b>					
Land Area <u>8,129.80</u> sq.km			Agricultural Land Use (1989)			Potential Irrigable Area <u>74,006</u> ha					
Population 1990 <u>1,055,000</u> persons			Crops Cultivated Area Production Unit Yield			Status of Irrigation Development (1989)					
Population 2000 <u>1,469,000</u> persons			Irrigated Paddy <u>86,140</u> ha <u>280,671</u> tons <u>3.26</u> tons/ha			National Irrigation System (NIS)					
Population Density (1990) <u>130</u> persons /sq.km			Wet Season _____ ha _____ tons _____ tons/ha			No. of Systems <u>4</u> no.					
Population Growth Rate <u>3.8</u> %			Dry Season _____ ha _____ tons _____ tons/ha			Irrigation Service Area <u>25,097</u> ha					
Rural population (1990) <u>701,000</u> persons <u>66</u> %			Rainfed paddy _____ ha _____ tons _____ tons/ha			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Urban population (1990) <u>354,000</u> persons <u>34</u> %			Corn <u>162,090</u> ha <u>156,172</u> tons <u>0.96</u> tons/ha			Cropping Intensity _____ %					
No. of Households <u>194,000</u> no.			Leguminous crops <u>1,052</u> ha <u>924</u> tons <u>0.88</u> tons/ha			No. of Beneficiary Farmers _____ no.					
No. of Farm Households <u>130,000</u> no.			Tuber crops <u>5,170</u> ha <u>34,303</u> tons <u>6.64</u> tons/ha			Communal Irrigation System (CIS)					
% of farm household <u>67</u> %			Vegetables/fruits <u>33,330</u> ha <u>994,794</u> tons <u>29.85</u> tons/ha			No. of Systems <u>46</u> no.					
RGDP (1989) <u>70,364 M</u> Pesos			Tobacco <u>20</u> ha <u>8</u> tons <u>0.40</u> tons/ha			Irrigation Service Area <u>10,189</u> ha					
Per Capita RGDP (1989) <u>15,798</u> Pesos			Sugar Cane _____ ha _____ tons _____ tons/ha			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Rural <u>29,834 M</u> Pesos <u>42.4</u> %			Others _____ ha _____ tons _____ tons/ha			Cropping Intensity _____ %					
Urban <u>40,530 M</u> Pesos <u>57.6</u> %			sub-total <u>287,802</u> ha			No. of Beneficiary Farmers _____ no.					
Rural Per Capita RGDP <u>10,090</u> Pesos			Permanent Crops <u>151,623</u> ha <u>721,881</u> tons <u>4.76</u> tons/ha			Pump Irrigation System (PIS)					
(Above or Below National Average per capita RGDP)			Total <u>439,425</u> ha			No. of Systems <u>40</u> no.					
Above + <u>66.9</u> %			Ratio of Agricultural Land against Total Land <u>35.8</u> %			Irrigation Service Area <u>250</u> ha					
Below - _____ %			Average Cropping Intensity <u>151.0</u> %			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Income Class of Province <u>1st</u>			Average Farm Size <u>2.2</u> ha			Cropping Intensity _____ %					
<b>RELATION WITH CARP</b>			Total Agricultural Production Values (1989)			% of Irrigation Development (1989) <u>48.0</u> %					
CARP Priority Province Yes			Crop Production <u>22,896 M</u> Pesos <u>76.7</u> %			Status of Inventoried Sub-projects under SSIDP					
Area for distribution under CARP (EIP) <u>1,561</u> ha			Forestry <u>4,097 M</u> Pesos <u>13.8</u> %			Existing System					
Status of Issuance of Emancipation Patents (1990) <u>292,18</u> %			Fishery <u>895 M</u> Pesos <u>3.0</u> %			No. of Systems <u>15</u> no.					
No. of Units <u>3,521</u> unit			Livestock <u>1,946 M</u> Pesos <u>6.5</u> %			Irrigation Service Area <u>3,260</u> ha					
Total Area <u>4,561</u> ha			Total <u>29,834 M</u> Pesos <u>100.0</u> %			Actually Irrigated Area <u>2,008</u> ha wet <u>2,008</u> ha dry <u>1,949</u> ha					
Total No. of Farmer-Beneficiaries <u>2,749</u> no.			Share of Agricultural Sector in RGDP <u>42.4</u> %			Cropping Intensity <u>193</u> %					
No. of CISs/CIPs for implementation under CARP-IC			Supply and Demand Condition of Rice			No. of Beneficiary Farmers _____ no.					
CISs _____ no. _____ ha			1989			New Projects					
CIPs <u>6</u> no. <u>1,310</u> ha			Total Gross Paddy Production <u>301,859</u> tons			No. of Projects <u>9</u> no.					
Total <u>6</u> no. <u>1,310</u> ha			Seeds, Feeds&Wastes <u>28,677</u> tons			Irrigation Service Area <u>1,826</u> ha wet <u>1,826</u> ha dry <u>1,826</u> ha					
<b>PHYSICAL PROFILE</b>			Total Net Paddy Production <u>273,182</u> tons			Cropping Intensity <u>189</u> %					
Topography Climate			Milling Recovery <u>65</u> %			No. of Beneficiary Farmers _____ no.					
plain/flat _____ % Type: <u>II, IV</u>			Availability of Rice for Consumption <u>177,569</u> tons			All of Inventoried Sub-projects					
undulating/rolling _____ % Annual Rainfall <u>2,380</u> mm			Per capita Availability of Rice <u>168</u> Kg			No. of Systems/projects <u>24</u> no.					
hilly/mountaneous _____ % wet season <u>Evenly</u> mm			Total Demand for Rice <u>97,039</u> tons			Irrigation Service Area <u>5,086</u> ha					
swamp/others _____ % dry season <u>Distributed</u> mm			Surplus <u>80,530</u> tons			No. of Beneficiary Farmers _____ no.					
Total <u>0.00</u> % Frequency of Typhoon _____ %			Deficit _____ tons			Average Size of Inventoried Sub-projects _____ ha					
Soils Hydrology			2000			Existing system <u>217</u> ha					
Arable land <u>2,910.65</u> sq.km Estimated annual runoff _____ MCM			Total Gross Paddy Production <u>280,671</u> tons			New projects <u>203</u> ha					
Suitable for: wet season _____ MCM			Seeds, Feeds&Wastes <u>26,664</u> tons			<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>					
paddy <u>14</u> % dry season _____ MCM			Total Net Paddy Production <u>254,007</u> tons			Name of responsible PIO: <u>DAVAO DEL NORTE PIO</u>					
diversified crops <u>86</u> % Annual flooded area _____ sq.km			Milling Recovery <u>65</u> %			No. of Permanent Staff <u>19</u> persons					
			Availability of Rice for Consumption <u>165,105</u> tons			Technical/engineering staff _____ persons					
			Per capita Availability of Rice <u>112</u> Kg			Administrative staff _____ persons					
			Total Demand for Rice <u>141,767</u> tons			No. of Contractual Staff <u>67</u> persons					
			Surplus <u>23,337</u> tons			Total <u>86</u> persons					
			Deficit _____ tons			<b>REMARKS</b>					

PROVINCIAL IRRIGATION PROFILE			Province: DAVAO DEL SUR			Region: XI			File No: 68		
<b>SOCIO-ECONOMIC BACKGROUND</b>			<b>AGRICULTURE</b>			<b>IRRIGATION</b>					
Land Area <u>6,377.60</u> sq.km			Agricultural Land Use (1989)			Potential Irrigable Area <u>30,582</u> ha					
Population 1990 <u>1,483,000</u> persons			Crops Cultivated Area Production Unit Yield			Status of Irrigation Development (1989)					
Population 2000 <u>2,198,000</u> persons			Irrigated Paddy <u>31,930</u> ha <u>145,245</u> tons <u>4.55</u> tons/ha			National Irrigation System (NIS)					
Population Density (1990) <u>233</u> persons /sq.km			Wet Season _____ ha _____ tons _____ tons/ha			No. of Systems <u>1</u> no.					
Population Growth Rate <u>2.7</u> %			Dry Season _____ ha _____ tons _____ tons/ha			Irrigation Service Area <u>3,000</u> ha					
Rural population (1990) <u>985,000</u> persons <u>66</u> %			Rainfed paddy _____ ha _____ tons _____ tons/ha			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Urban population (1990) <u>498,000</u> persons <u>34</u> %			Corn <u>40,730</u> ha <u>36,296</u> tons <u>0.89</u> tons/ha			Cropping Intensity _____ %					
No. of Households <u>280,000</u> no.			Leguminous crops <u>610</u> ha <u>169</u> tons <u>0.28</u> tons/ha			No. of Beneficiary Farmers _____ no.					
No. of Farm Households <u>186,000</u> no.			Tuber crops <u>2,410</u> ha <u>10,466</u> tons <u>4.34</u> tons/ha			Communal Irrigation System (CIS)					
% of farm household <u>66</u> %			Vegetables/fruits <u>3,857</u> ha <u>132,071</u> tons <u>34.24</u> tons/ha			No. of Systems <u>42</u> no.					
RGDP (1989) <u>70,364 M</u> Pesos			Tobacco <u>24</u> ha <u>8</u> tons <u>0.33</u> tons/ha			Irrigation Service Area <u>6,642</u> ha					
Per Capita RGDP (1989) <u>15,798</u> Pesos			Sugar Cane <u>4,753</u> ha <u>167</u> tons <u>0.04</u> tons/ha			Actually Irrigated Area <u>5,843</u> ha wet _____ ha dry _____ ha					
Rural <u>29,834 M</u> Pesos <u>42.4</u> %			Others _____ ha _____ tons _____ tons/ha			Cropping Intensity _____ %					
Urban <u>40,530 M</u> Pesos <u>57.6</u> %			sub-total <u>84,314</u> ha			No. of Beneficiary Farmers <u>4,419</u> no.					
Rural Per Capita RGDP <u>10,090</u> Pesos			Permanent Crops <u>115,977</u> ha <u>377,402</u> tons <u>3.25</u> tons/ha			Pump Irrigation System (PIS)					
(Above or Below National Average per capita RGDP)			Total <u>200,291</u> ha			No. of Systems <u>None</u> no.					
Above + <u>66.9</u> %			Ratio of Agricultural Land against Total Land <u>26.6</u> %			Irrigation Service Area _____ ha					
Below - _____ %			Average Cropping Intensity <u>117.9</u> %			Actually Irrigated Area _____ ha wet _____ ha dry _____ ha					
Income Class of Province <u>2nd</u>			Average Farm Size <u>0.9</u> ha			Cropping Intensity _____ %					
<b>RELATION WITH CARP</b>			Total Agricultural Production Values (1989)			% of Irrigation Development (1989) <u>31.5</u> %					
CARP Priority Province No			Crop Production <u>22,896 M</u> Pesos <u>76.7</u> %			Status of Inventoried Sub-projects under SSIDP					
Area for distribution under CARP (EP) <u>377</u> ha			Forestry <u>4,097 M</u> Pesos <u>13.8</u> %			Existing System					
Status of Issuance of Emancipation Patents (1990) <u>692.6</u> %			Fishery <u>895 M</u> Pesos <u>3.0</u> %			No. of Systems <u>32</u> no.					
No. of Units <u>2,794</u> unit			Livestock <u>1,946 M</u> Pesos <u>6.5</u> %			Irrigation Service Area <u>5,726</u> ha					
Total Area <u>2,637</u> ha			Total <u>29,834 M</u> Pesos <u>100.0</u> %			Actually Irrigated Area <u>4,598</u> ha wet <u>4,598</u> ha dry <u>4,575</u> ha					
Total No. of Farmer-Beneficiaries <u>2,146</u> no.			Share of Agricultural Sector in RGDP <u>42.4</u> %			Cropping Intensity <u>193</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>1,580</u> ha			1989			New Projects					
CIPs <u>5</u> no. <u>2,240</u> ha			Total Gross Paddy Production <u>145,245</u> tons			No. of Projects <u>7</u> no.					
Total <u>7</u> no. <u>3,820</u> ha			Seeds, Feeds&Wastes <u>13,798</u> tons			Irrigation Service Area <u>1,300</u> ha wet <u>1,300</u> ha dry <u>1,196</u> ha					
<b>PHYSICAL PROFILE</b>			Total Net Paddy Production <u>131,447</u> tons			Cropping Intensity <u>217</u> %					
Topography Climate			Milling Recovery <u>65</u> %			No. of Beneficiary Farmers _____ no.					
plain/flat <u>35.00</u> % Type: <u>IV</u>			Availability of Rice for Consumption <u>85,440</u> tons			All of Inventoried Sub-projects					
undulating/rolling _____ % Annual Rainfall <u>1,928</u> mm			Per capita Availability of Rice <u>58</u> Kg			No. of Systems/projects <u>39</u> no.					
hilly/mountaneous <u>65.00</u> % wet season No Distinct mm			Total Demand for Rice <u>136,406</u> tons			Irrigation Service Area <u>7,026</u> ha					
swamp/others _____ % dry season Dry Season mm			Surplus + _____ tons			No. of Beneficiary Farmers _____ no.					
Total <u>100.00</u> % Frequency of Typhoon _____ %			Deficit - <u>50,966</u> tons			Average Size of Inventoried Sub-projects _____ ha					
Soils Hydrology			2000			Existing system <u>179</u> ha					
Arable land <u>1,698.15</u> sq.km Estimated annual runoff _____ MCM			Total Gross Paddy Production <u>126,810</u> tons			New projects <u>186</u> ha					
Suitable for: wet season _____ MCM			Seeds, Feeds&Wastes <u>12,047</u> tons			<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>					
paddy <u>4</u> % dry season _____ MCM			Total Net Paddy Production <u>114,763</u> tons			Name of responsible PIO: <u>Davao del Sur PIO</u>					
diversified crops <u>97</u> % Annual flooded area _____ sq.km			Milling Recovery <u>65</u> %			No. of Permanent Staff <u>14</u> persons					
			Availability of Rice for Consumption <u>74,596</u> tons			Technical/engineering staff _____ persons					
			Per capita Availability of Rice <u>34</u> Kg			Administrative staff _____ persons					
			Total Demand for Rice <u>212,146</u> tons			No. of Contractual Staff <u>16</u> persons					
			Surplus + _____ tons			Total <u>30</u> persons					
			Deficit - <u>137,550</u> tons			<b>REMARKS</b>					

PROVINCIAL IRRIGATION PROFILE		Province: SOUTH COTABATO	Region: XI	File No: 69
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>
Land Area	7,468.80 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area
Population 1990	1,073,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)
Population 2000	1,323,000 persons	Irrigated Paddy	52,700 ha 187,465 tons 3.56 tons/ha	National Irrigation System (NIS)
Population Density (1990)	144 persons /sq.km	Wet Season	ha tons tons/ha	No. of Systems
Population Growth Rate	3.4 %	Dry Season	ha tons tons/ha	Irrigation Service Area
Rural population (1990)	712,000 persons 66 %	Rainfed paddy	ha tons tons/ha	Actually Irrigated Area
Urban population (1990)	361,000 persons 34 %	Corn	491,250 ha 1,022,110 tons 2.08 tons/ha	Cropping Intensity
No. of Households	198,000 no.	Leguminous crops	121 ha 103 tons 0.85 tons/ha	No. of Beneficiary Farmers
No. of Farm Households	132,000 no.	Tuber crops	1,019 ha 11,322 tons 11.11 tons/ha	Communal Irrigation System (CIS)
% of farm household	67 %	Vegetables/fruits	18,078 ha 536,122 tons 29.66 tons/ha	No. of Systems
RGDP (1989)	70,364 M Pesos	Tobacco	23 ha 10 tons 0.43 tons/ha	Irrigation Service Area
Per Capita RGDP (1989)	15,798 Pesos	Sugar Cane	ha tons tons/ha	Actually Irrigated Area
Rural	29,834 M Pesos 42.4 %	Others	ha tons tons/ha	Cropping Intensity
Urban	40,530 M Pesos 57.6 %	sub-total	563,191 ha	No. of Beneficiary Farmers
Rural Per Capita RGDP	10,090 Pesos	Permanent Crops	119,201 ha 958,512 tons 8.04 tons/ha	Pump Irrigation System (PIS)
(Above or Below National Average per capita RGDP)		Total	682,392 ha	No. of Systems
Above +	66.9 %	Ratio of Agricultural Land against Total Land	43.2 %	Irrigation Service Area
Below -	%	Average Cropping Intensity	211.5 %	Actually Irrigated Area
Income Class of Province	1st	Average Farm Size	2.4 ha	Cropping Intensity
		Total Agricultural Production Values (1989)		No. of Beneficiary Farmers
		Crop Production	22,896 M Pesos 76.7 %	% of Irrigation Development (1989)
		Forestry	4,097 M Pesos 13.8 %	Status of Inventoried Sub-projects under SSIDP
		Fishery	895 M Pesos 3.0 %	Existing System
		Livestock	1,946 M Pesos 6.5 %	No. of Systems
		Total	29,834 M Pesos 100.0 %	Irrigation Service Area
		Share of Agricultural Sector in RGDP	42.4 %	Actually Irrigated Area
		Supply and Demand Condition of Rice		Cropping Intensity
		1989		No. of Beneficiary Farmers
		Total Gross Paddy Production	187,645 tons	New Projects
		Seeds, Feeds&Wastes	17,809 tons	No. of Projects
		Total Net Paddy Production	169,656 tons	Irrigation Service Area
		Milling Recovery	65 %	Cropping Intensity
		Availability of Rice for Consumption	110,276 tons	No. of Beneficiary Farmers
		Per capita Availability of Rice	103 Kg	All of Inventoried Sub-projects
		Total Demand for Rice	98,695 tons	No. of Systems/projects
		Surplus	+ 11,582 tons	Irrigation Service Area
		Deficit	tons	No. of Beneficiary Farmers
		2000		Average Size of Inventoried Sub-projects
		Total Gross Paddy Production	174,223 tons	Existing system
		Seeds, Feeds&Wastes	16,551 tons	New projects
		Total Net Paddy Production	157,672 tons	
		Milling Recovery	65 %	
		Availability of Rice for Consumption	102,487 tons	
		Per capita Availability of Rice	77 Kg	
		Total Demand for Rice	127,729 tons	
		Surplus	+ tons	
		Deficit	- 25,242 tons	
<b>RELATION WITH CARP</b>				
CARP Priority Province	Yes			
Area for distribution under CARP (EP)	5,140 ha			
Status of Issuance of Emancipation Patents (1990)	247.4 %			
No. of Units	7,947 unit			
Total Area	12,716 ha			
Total No. of Farmer-Beneficiaries	6,664 no.			
No. of CISs/CIPs for implementation under CARP-IC				
CISs	3 no. 893 ha			
CIPs	4 no. 1,400 ha			
Total	7 no. 2,293 ha			
<b>PHYSICAL PROFILE</b>				
Topography	Climate			
plain/flat	% Type: IV			
undulating/rolling	% Annual Rainfall 934 mm			
hilly/mountaneous	% wet season Evenly mm			
swamp/others	% dry season Distributed mm			
Total	% Frequency of Typhoon			
Soils	Hydrology			
Arable land	3,226.79 sq.km Estimated annual runoff - MCM			
Suitable for:	wet season - MCM			
paddy	20 % dry season - MCM			
diversified crops	80 % Annual flooded area - sq.km			
		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>		<b>REMARKS</b>
		Name of responsible PIO: South Cotabato PIO		
		No. of Permanent Staff 27 persons		
		Technical/engineering staff persons		
		Administrative staff persons		
		No. of Contractual Staff 8 persons		
		Total 35 persons		



PROVINCIAL IRRIGATION PROFILE		Province: LANAO DEL NORTE	Region: XII	File No: 70				
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>				
Land Area	3,092.00 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	21,115 ha			
Population 1990	619,000 persons	Crops Cultivated Area Production Unit Yield		Status of Irrigation Development (1989)				
Population 2000	749,000 persons	Irrigated Paddy	25,480 ha	69,957 tons	2.75 tons/ha	National Irrigation System (NIS)		
Population Density (1990)	200 persons /sq.km	Wet Season				No. of Systems	1 no.	
Population Growth Rate	3.0 %	Dry Season				Irrigation Service Area	6,500 ha	
Rural population (1990)	503,000 persons	Rainfed paddy				Actually Irrigated Area	3,060 ha	wet _____ ha dry _____ ha
Urban population (1990)	116,000 persons	Corn	75,390 ha	105,591 tons	1.40 tons/ha	Cropping Intensity		%
No. of Households	113,000 no.	Leguminous crops	475 ha	405 tons	0.85 tons/ha	No. of Beneficiary Farmers		no.
No. of Farm Households	91,000 no.	Tuber crops	2,633 ha	8,924 tons	3.39 tons/ha	Communal Irrigation System (CIS)		
% of farm household	81 %	Vegetables/fruits	12,078 ha	271,743 tons	22.50 tons/ha	No. of Systems	34 no.	
RGDP (1989)	35,779 M Pesos	Tobacco	6 ha	4 tons	0.67 tons/ha	Irrigation Service Area	4,980 ha	wet _____ ha dry _____ ha
Per Capita RGDP (1989)	11,464 Pesos	Sugar Cane				Actually Irrigated Area		ha
Rural	17,884 M Pesos	Others				Cropping Intensity		%
Urban	17,895 M Pesos	sub-total	116,062 ha			No. of Beneficiary Farmers		no.
Rural Per Capita RGDP	7,058 Pesos	Permanent Crops	61,440 ha	381,314 tons	6.21 tons/ha	Pump Irrigation System (PIS)		
(Above or Below National Average per capita RGDP)		Total	177,502 ha			No. of Systems	95 no.	
Above	16.8 %	Ratio of Agricultural Land against Total Land	52.1 %			Irrigation Service Area	606 ha	ha
Below		Average Cropping Intensity	110.2 %			Actually Irrigated Area		ha
		Average Farm Size	1.8 ha			Cropping Intensity		%
Income Class of Province	4th					No. of Beneficiary Farmers		no.
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		% of Irrigation Development (1989)		57.2 %		
CARP Priority Province	No	Crop Production	12,785 M Pesos	71.5 %	Status of Inventoried Sub-projects under SSIDP			
Area for distribution under CARP (BP)	1,161 ha	Forestry	954 M Pesos	5.3 %	Existing System			
Status of Issuance of Emancipation Patents (1990)	177.8 %	Fishery	2,660 M Pesos	14.9 %	No. of Systems	20 no.		
No. of Units	2,764 unit	Livestock	1,485 M Pesos	8.3 %	Irrigation Service Area	3,258 ha	ha	
Total Area	2,064 ha	Total	17,884 M Pesos	100.0 %	Actually Irrigated Area	2,398 ha	wet 2,398 ha dry 1,823 ha	
Total No. of Farmer-Beneficiaries	1,876 no.	Share of Agricultural Sector in RGDP	50.0 %		Cropping Intensity	168 %	%	
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice			No. of Beneficiary Farmers		no.	
CISs	12 no.	1989			New Projects			
CIPs	27 no.	Total Gross Paddy Production	69,957 tons		No. of Projects	22 no.		
Total	39 no.	Seeds, Feeds&Wastes	6,646 tons		Irrigation Service Area	2,245 ha	wet 2,245 ha dry 2,010 ha	
		Total Net Paddy Production	63,311 tons		Cropping Intensity	117 %	%	
		Milling Recovery	65 %		No. of Beneficiary Farmers		no.	
		Availability of Rice for Consumption	41,152 tons		All of Inventoried Sub-projects			
		Per capita Availability of Rice	66 Kg		No. of Systems/projects	42 no.		
		Total Demand for Rice	69,656 tons		Irrigation Service Area	5,503 ha	ha	
		Surplus	+ _____ tons		No. of Beneficiary Farmers		no.	
		Deficit	- 28,504 tons		Average Size of Inventoried Sub-projects		ha	
		2000			Existing system	163 ha	ha	
		Total Gross Paddy Production	74,986 tons		New projects	102 ha	ha	
		Seeds, Feeds&Wastes	7,124 tons		<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>			
		Total Net Paddy Production	67,862 tons		<b>REMARKS</b>			
		Milling Recovery	65 %		Name of responsible PIO: Lanao del Norte PIO			
		Availability of Rice for Consumption	44,111 tons		No. of Permanent Staff			
		Per capita Availability of Rice	59 Kg		16 persons			
		Total Demand for Rice	88,458 tons		Technical/engineering staff			
		Surplus	+ _____ tons		_____ persons			
		Deficit	- 44,347 tons		Administrative staff			
					_____ persons			
					No. of Contractual Staff			
					83 persons			
					Total			
					99 persons			
<b>PHYSICAL PROFILE</b>								
Topography	Climate							
plain/flat	44.00 %	Type:	IV					
undulating/rolling	- %	Annual Rainfall	2,134 mm					
hilly/mountaneous	- %	wet season	Evenly					
swamp/others	- %	dry season	Distributed					
Total	44.00 %	Frequency of Typhoon						
Soils	Hydrology							
Arable land	1,610.41 sq.km	Estimated annual runoff	- MCM					
Suitable for:		wet season	- MCM					
paddy	18.7 %	dry season	- MCM					
diversified crops	81.3 %	Annual flooded area	- sq.km					

PROVINCIAL IRRIGATION PROFILE		Province: LANAO DEL SUR	Region: XII	File No: 71	
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>	
Land Area	3,872.90 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area	34,437 ha
Population 1990	559,000 persons	Crops	Cultivated Area	Production	Unit Yield
Population 2000	730,000 persons	Irrigated Paddy	20,370 ha	48,497 tons	2.38 tons/ha
Population Density (1990)	144 persons /sq.km	Wet Season			
Population Growth Rate	3.3 %	Dry Season			
Rural population (1990)	454,000 persons	Rainfed paddy			
Urban population (1990)	105,000 persons	Corn	119,670 ha	196,731 tons	1.64 tons/ha
No. of Households	100,000 no.	Leguminous crops	346 ha	230 tons	0.66 tons/ha
No. of Farm Households	81,000 no.	Tuber crops	32,207 ha	630,259 tons	19.57 tons/ha
% of farm household	81 %	Vegetables/fruits	2,820 ha	44,884 tons	15.92 tons/ha
RGDP (1989)	35,779 M Pesos	Tobacco			
Per Capita RGDP (1989)	11,464 Pesos	Sugar Cane			
Rural	17,884 M Pesos	Others			
Urban	17,895 M Pesos	sub-total	175,413 ha		
Rural Per Capita RGDP	7,058 Pesos	Permanent Crops	49,099 ha	228,894 tons	4.66 tons/ha
(Above or Below National Average per capita RGDP)		Total	224,512 ha		
Above	16.8 %	Ratio of Agricultural Land against Total Land	29.4 %		
Below		Average Cropping Intensity	196.9 %		
Income Class of Province	4th	Average Farm Size	1.4 ha		
<b>RELATION WITH CARP</b>		Total Agricultural Production Values (1989)		Status of Irrigation Development (1989)	
CARP Priority Province	No	Crop Production	12,785 M Pesos	71.5 %	
Area for distribution under CARP (BP)	1,776 ha	Forestry	954 M Pesos	5.3 %	
Status of Issuance of Emancipation Patents (1990)	70.1 %	Fishery	2,660 M Pesos	14.9 %	
No. of Units	445 unit	Livestock	1,485 M Pesos	8.3 %	
Total Area	1,245 ha	Total	17,884 M Pesos	100.0 %	
Total No. of Farmer-Beneficiaries	389 no.	Share of Agricultural Sector in RGDP	50.0 %		
No. of CISs/CIPs for implementation under CARP-IC		Supply and Demand Condition of Rice			
CISs		1989			
CIPs		Total Gross Paddy Production	48,497 tons		
Total		Seeds, Feeds&Wastes	4,607 tons		
		Total Net Paddy Production	43,890 tons		
		Milling Recovery	65 %		
		Availability of Rice for Consumption	28,528 tons		
		Per capita Availability of Rice	51 Kg		
		Total Demand for Rice	62,904 tons		
		Surplus	+ tons		
		Deficit	- 34,376 tons		
		2000			
		Total Gross Paddy Production	56,548 tons		
		Seeds, Feeds&Wastes	5,372 tons		
		Total Net Paddy Production	51,176 tons		
		Milling Recovery	65 %		
		Availability of Rice for Consumption	33,264 tons		
		Per capita Availability of Rice	46 Kg		
		Total Demand for Rice	86,207 tons		
		Surplus	+ tons		
		Deficit	- 52,943 tons		
<b>PHYSICAL PROFILE</b>				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>	
Topography	Climate			<b>REMARKS</b>	
plain/flat	40.00 %	Type:	IV	Name of responsible PIO: Lanao del Sur PIO	
undulating/rolling		Annual Rainfall	3,048 mm	No. of Permanent Staff	
hilly/mountaneous	60.00 %	wet season		14 persons	
swamp/others		dry season		Technical/engineering staff	
Total	100.00 %	Frequency of Typhoon		Administrative staff	
				14 persons	
				No. of Contractual Staff	
				28 persons	
				Total	
Soils	Hydrology				
Arable land	1,140.48 sq.km	Estimated annual runoff	- MCM		
Suitable for:		wet season	- MCM		
paddy	20 %	dry season	- MCM		
diversified crops		Annual flooded area	- sq.km		

PROVINCIAL IRRIGATION PROFILE		Province: NORTH COTABATO	Region: XII	File No: 72
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>
Land Area	6,565.90 sq.km	Agricultural Land Use (1989)		Potential Irrigable Area
Population 1990	757,000 persons	Crops Cultivated Area Production Unit Yield		110,513 ha *6
Population 2000	933,000 persons	Irrigated Paddy 51,850 ha 206,003 tons 3.97 tons/ha		Status of Irrigation Development (1989)
Population Density (1990)	115 persons /sq.km	Wet Season ha tons tons/ha		National Irrigation System (NIS)
Population Growth Rate	3.0 %	Dry Season ha tons tons/ha		No. of Systems
Rural population (1990)	615,000 persons 81 %	Rainfed paddy ha tons tons/ha		Irrigation Service Area
Urban population (1990)	142,000 persons 19 %	Corn 230,680 ha 528,513 tons 2.29 tons/ha		19,140 ha
No. of Households	142,000 no.	Leguminous crops 313 ha 235 tons 0.75 tons/ha		Actually Irrigated Area
No. of Farm Households	116,000 no.	Tuber crops 565 ha 5,363 tons 9.49 tons/ha		16,443 ha
% of farm household	82 %	Vegetables/fruits 1,275 ha 21,652 tons 16.98 tons/ha		wet 16,443 ha dry 13,629 ha
RGDP (1989)	35,779 M Pesos	Tobacco 42 ha 25 tons 0.60 tons/ha		Cropping Intensity
Per Capita RGDP (1989)	11,464 Pesos	Sugar Cane 1,801 ha 87 tons 0.05 tons/ha		157 %
Rural	17,884 M Pesos 50.0 %	Others ha tons tons/ha		No. of Beneficiary Farmers
Urban	17,895 M Pesos 50.0 %	sub-total 286,526 ha		13,714 no.
Rural Per Capita RGDP	7,058 Pesos	Permanent Crops 13,928 ha 33,698 tons 2.42 tons/ha		Communal Irrigation System (CIS)
(Above or Below National Average per capita RGDP)		Total 300,454 ha		No. of Systems
Above +	16.8 %	Ratio of Agricultural Land against Total Land		55 no.
Below -	%	28.8 %		Irrigation Service Area
Income Class of Province	2nd	Average Cropping Intensity		11,661 ha
		158.9 %		Actually Irrigated Area
		Average Farm Size		ha
		1.6 ha		wet ha dry ha
		Total Agricultural Production Values (1989)		Cropping Intensity
		Crop Production 12,785 M Pesos 71.5 %		No. of Beneficiary Farmers
		Forestry 954 M Pesos 5.3 %		- no.
		Fishery 2,660 M Pesos 14.9 %		Pump Irrigation System (PIS)
		Livestock 1,485 M Pesos 8.3 %		No. of Systems
		Total 17,884 M Pesos 100.0 %		317 no.
		Share of Agricultural Sector in RGDP		Irrigation Service Area
		50.0 %		242 ha
		Supply and Demand Condition of Rice		Actually Irrigated Area
		1989		ha
		Total Gross Paddy Production 277,173 tons		wet ha dry ha
		Seeds, Feeds & Wastes 26,331 tons		Cropping Intensity
		Total Net Paddy Production 250,842 tons		176 %
		Milling Recovery 65 %		No. of Beneficiary Farmers
		Availability of Rice for Consumption 163,047 tons		- no.
		Per capita Availability of Rice 215 Kg		All of Inventoried Sub-projects
		Total Demand for Rice 85,185 tons		No. of Systems/projects
		Surplus + 77,862 tons		101 no.
		Deficit - tons		Irrigation Service Area
		2000		23,196 ha
		Total Gross Paddy Production 269,877 tons		No. of Beneficiary Farmers
		Seeds, Feeds & Wastes 25,638 tons		- no.
		Total Net Paddy Production 244,239 tons		Average Size of Inventoried Sub-projects
		Milling Recovery 65 %		ha
		Availability of Rice for Consumption 158,755 tons		Existing system
		Per capita Availability of Rice 170 Kg		204 ha
		Total Demand for Rice 110,153 tons		New projects
		Surplus + 48,602 tons		238 ha
		Deficit - tons		
<b>RELATION WITH CARP</b>				
CARP Priority Province	Yes			
Area for distribution under CARP (BP)	15,285 ha			
Status of Issuance of Emancipation Patents (1990)	52.8 %			
No. of Units	6,526 unit			
Total Area	8,068 ha			
Total No. of Farmer-Beneficiaries	5,347 no.			
No. of CISs/CIPs for implementation under CARP-IC				
CISs	20 no. 8,380 ha			
CIPs	28 no. 9,200 ha			
Total	48 no. 17,580 ha			
<b>PHYSICAL PROFILE</b>				
Topography	Climate			
plain/flat	45.89 % Type: IV			
undulating/rolling	13.30 % Annual Rainfall 875 mm			
hilly/mountaneous	5.45 % wet season Evenly mm			
swamp/others	35.36 % dry season Distributed mm			
Total	100.00 % Frequency of Typhoon %			
Soils	Hydrology			
Arable land	1,890.51 sq.km Estimated annual runoff - MCM			
Suitable for:	wet season - MCM			
paddy	34 % dry season - MCM			
diversified crops	66 % Annual flooded area - sq.km			
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>
				<b>REMARKS</b>
				Name of responsible PIO: North Cotabato PIO
				No. of Permanent Staff 15 persons
				Technical/engineering staff persons
				Administrative staff persons
				No. of Contractual Staff 231 persons
				Total 246 persons

PROVINCIAL IRRIGATION PROFILE		Province: <b>MAGUINDANAO</b>	Region: <b>XII</b>	File No: <b>73</b>																																																												
<b>SOCIO-ECONOMIC BACKGROUND</b>		<b>AGRICULTURE</b>		<b>IRRIGATION</b>																																																												
Land Area <u>5,474.10</u> sq.km Population 1990 <u>753,000</u> persons 2000 <u>829,000</u> persons Population Density (1990) <u>138</u> persons /sq.km Population Growth Rate <u>3.5</u> % Rural population (1990) <u>611,000</u> persons <u>81</u> % Urban population (1990) <u>142,000</u> persons <u>19</u> % No. of Households <u>142,000</u> no. No. of Farm Households <u>115,000</u> no. % of farm household <u>81</u> % RGDP (1989) <u>35,779 M</u> Pesos Per Capita RGDP (1989) <u>11,464</u> Pesos Rural <u>17,884 M</u> Pesos <u>50.0</u> % Urban <u>17,895 M</u> Pesos <u>50.0</u> % Rural Per Capita RGDP <u>7,058</u> Pesos (Above or Below National Average per capita RGDP) Above + <u>16.8</u> % Below - _____ % Income Class of Province <u>4th</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>64,780</u> ha</td> <td><u>158,647</u> tons</td> <td><u>2.45</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>143,090</u> ha</td> <td><u>216,267</u> tons</td> <td><u>1.51</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>2,782</u> ha</td> <td><u>2,478</u> tons</td> <td><u>0.89</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>31,612</u> ha</td> <td><u>10,257</u> tons</td> <td><u>0.32</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>9,097</u> ha</td> <td><u>95,457</u> tons</td> <td><u>10.49</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>4,503</u> ha</td> <td><u>3,439</u> tons</td> <td><u>0.76</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>255,864</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> <tr> <td>Permanent Crops</td> <td><u>61,108</u> ha</td> <td><u>352,304</u> tons</td> <td><u>5.77</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>316,972</u> ha</td> <td>_____ tons</td> <td>_____ tons/ha</td> </tr> </tbody> </table> Ratio of Agricultural Land against Total Land <u>45.3</u> % Average Cropping Intensity <u>127.7</u> % Average Farm Size <u>2.2</u> ha Total Agricultural Production Values (1989) Crop Production <u>12,785 M</u> Pesos <u>71.5</u> % Forestry <u>954 M</u> Pesos <u>5.3</u> % Fishery <u>2,660 M</u> Pesos <u>14.9</u> % Livestock <u>1,485 M</u> Pesos <u>8.3</u> % Total <u>17,884 M</u> Pesos <u>100.0</u> % Share of Agricultural Sector in RGDP <u>50.0</u> % Supply and Demand Condition of Rice 1989 Total Gross Paddy Production <u>158,647</u> tons Seeds, Feeds&Wastes <u>15,071</u> tons Total Net Paddy Production <u>143,576</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>93,324</u> tons Per capita Availability of Rice <u>124</u> Kg Total Demand for Rice <u>84,735</u> tons Surplus + <u>8,589</u> tons Deficit - _____ tons 2000 Total Gross Paddy Production <u>117,453</u> tons Seeds, Feeds&Wastes <u>11,158</u> tons Total Net Paddy Production <u>106,295</u> tons Milling Recovery <u>65</u> % Availability of Rice for Consumption <u>69,092</u> tons Per capita Availability of Rice <u>83</u> Kg Total Demand for Rice <u>97,865</u> tons Surplus + _____ tons Deficit - <u>28,774</u> tons		Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>64,780</u> ha	<u>158,647</u> tons	<u>2.45</u> tons/ha	Wet Season	_____ ha	_____ tons	_____ tons/ha	Dry Season	_____ ha	_____ tons	_____ tons/ha	Rainfed paddy	_____ ha	_____ tons	_____ tons/ha	Corn	<u>143,090</u> ha	<u>216,267</u> tons	<u>1.51</u> tons/ha	Leguminous crops	<u>2,782</u> ha	<u>2,478</u> tons	<u>0.89</u> tons/ha	Tuber crops	<u>31,612</u> ha	<u>10,257</u> tons	<u>0.32</u> tons/ha	Vegetables/fruits	<u>9,097</u> ha	<u>95,457</u> tons	<u>10.49</u> tons/ha	Tobacco	<u>4,503</u> ha	<u>3,439</u> tons	<u>0.76</u> tons/ha	Sugar Cane	_____ ha	_____ tons	_____ tons/ha	Others	_____ ha	_____ tons	_____ tons/ha	sub-total	<u>255,864</u> ha	_____ tons	_____ tons/ha	Permanent Crops	<u>61,108</u> ha	<u>352,304</u> tons	<u>5.77</u> tons/ha	Total	<u>316,972</u> ha	_____ tons	_____ tons/ha	Potential Irrigable Area <u>146,365</u> ha Status of Irrigation Development (1989) National Irrigation System (NIS) No. of Systems <u>2</u> no. Irrigation Service Area <u>1,050</u> ha Actually Irrigated Area <u>826</u> ha wet <u>826</u> ha dry <u>0</u> ha Cropping Intensity <u>79</u> % No. of Beneficiary Farmers <u>772</u> no. Communal Irrigation System (CIS) No. of Systems <u>41</u> no. Irrigation Service Area <u>9,160</u> ha Actually Irrigated Area _____ ha wet <u>2,420</u> ha dry <u>1,435</u> ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. Pump Irrigation System (PIS) No. of Systems <u>44</u> no. Irrigation Service Area <u>200</u> ha Actually Irrigated Area _____ ha wet _____ ha dry _____ ha Cropping Intensity _____ % No. of Beneficiary Farmers _____ no. % of Irrigation Development (1989) <u>7.1</u> % Status of Inventoried Sub-projects under SSIDP Existing System No. of Systems <u>43</u> no. Irrigation Service Area <u>8,255</u> ha Actually Irrigated Area <u>5,836</u> ha wet <u>5,836</u> ha dry <u>3,439</u> ha Cropping Intensity <u>164</u> % No. of Beneficiary Farmers _____ no. New Projects No. of Projects <u>58</u> no. Irrigation Service Area <u>10,574</u> ha wet <u>10,574</u> ha dry <u>8,621</u> ha Cropping Intensity <u>71</u> % No. of Beneficiary Farmers _____ no. All of Inventoried Sub-projects No. of Systems/projects <u>101</u> no. Irrigation Service Area <u>18,824</u> ha No. of Beneficiary Farmers _____ no. Average Size of Inventoried Sub-projects _____ ha Existing system <u>192</u> ha New projects <u>182</u> ha
Crops	Cultivated Area	Production	Unit Yield																																																													
Irrigated Paddy	<u>64,780</u> ha	<u>158,647</u> tons	<u>2.45</u> tons/ha																																																													
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sub-total	<u>255,864</u> ha	_____ tons	_____ tons/ha																																																													
Permanent Crops	<u>61,108</u> ha	<u>352,304</u> tons	<u>5.77</u> tons/ha																																																													
Total	<u>316,972</u> ha	_____ tons	_____ tons/ha																																																													
<b>RELATION WITH CARP</b>																																																																
CARP Priority Province <u>Yes</u> Area for distribution under CARP (EP) <u>26,574</u> ha Status of Issuance of Emancipation Patents (1990) No. of Units <u>652</u> % Total Area <u>6,354</u> unit Total No. of Farmer-Beneficiaries <u>17,335</u> ha Total No. of Farmer-Beneficiaries <u>5,830</u> no. No. of CISs/CIPs for implementation under CARP-IC CISs <u>7</u> no. <u>1,235</u> ha CIPs <u>14</u> no. <u>19,505</u> ha Total <u>21</u> no. <u>20,740</u> ha																																																																
<b>PHYSICAL PROFILE</b>																																																																
Topography plain/flat _____ % Type: <u>IV</u> undulating/rolling _____ % Annual Rainfall <u>872</u> mm hilly/mountaneous _____ % wet season <u>Evenly</u> mm swamp/others _____ % dry season <u>Distributed</u> mm Total <u>0.00</u> % Frequency of Typhoon _____ % Soils Arable land <u>2,481.53</u> sq.km Estimated annual runoff _____ MCM Suitable for: paddy <u>17</u> % wet season _____ MCM diversified crops <u>83</u> % dry season _____ MCM Annual flooded area _____ sq.km																																																																
				<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b> Name of responsible PIO: <u>Maguindanao PIO</u> No. of Permanent Staff <u>27</u> persons Technical/engineering staff _____ persons Administrative staff _____ persons No. of Contractual Staff <u>127</u> persons Total <u>154</u> persons	<b>REMARKS</b>																																																											

PROVINCIAL IRRIGATION PROFILE			Province: SULTAN KUDARAT			Region: XII			File No: 74																																																														
<b>SOCIO-ECONOMIC BACKGROUND</b>			<b>AGRICULTURE</b>			<b>IRRIGATION</b>																																																																	
Land Area <u>4,288.20</u> sq.km			Agricultural Land Use (1989)			Potential Irrigable Area <u>61,802</u> ha																																																																	
Population 1990 <u>433,000</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>6,740</u> ha</td> <td><u>214,125</u> tons</td> <td><u>31.77</u> 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><u>37,360</u> ha</td> <td><u>60,940</u> tons</td> <td><u>1.63</u> tons/ha</td> </tr> <tr> <td>Leguminous crops</td> <td><u>483</u> ha</td> <td><u>275</u> tons</td> <td><u>0.57</u> tons/ha</td> </tr> <tr> <td>Tuber crops</td> <td><u>207</u> ha</td> <td><u>1,426</u> tons</td> <td><u>6.89</u> tons/ha</td> </tr> <tr> <td>Vegetables/fruits</td> <td><u>496</u> ha</td> <td><u>7,355</u> tons</td> <td><u>14.83</u> tons/ha</td> </tr> <tr> <td>Tobacco</td> <td><u>14</u> ha</td> <td><u>4</u> tons</td> <td><u>0.29</u> tons/ha</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><u>45,300</u> ha</td> <td></td> <td></td> </tr> <tr> <td>Permanent Crops</td> <td><u>33,546</u> ha</td> <td><u>101,116</u> tons</td> <td><u>3.01</u> tons/ha</td> </tr> <tr> <td>Total</td> <td><u>78,846</u> ha</td> <td></td> <td></td> </tr> </tbody> </table>			Crops	Cultivated Area	Production	Unit Yield	Irrigated Paddy	<u>6,740</u> ha	<u>214,125</u> tons	<u>31.77</u> tons/ha	Wet Season				Dry Season				Rainfed paddy				Corn	<u>37,360</u> ha	<u>60,940</u> tons	<u>1.63</u> tons/ha	Leguminous crops	<u>483</u> ha	<u>275</u> tons	<u>0.57</u> tons/ha	Tuber crops	<u>207</u> ha	<u>1,426</u> tons	<u>6.89</u> tons/ha	Vegetables/fruits	<u>496</u> ha	<u>7,355</u> tons	<u>14.83</u> tons/ha	Tobacco	<u>14</u> ha	<u>4</u> tons	<u>0.29</u> tons/ha	Sugar Cane				Others				sub-total	<u>45,300</u> ha			Permanent Crops	<u>33,546</u> ha	<u>101,116</u> tons	<u>3.01</u> tons/ha	Total	<u>78,846</u> ha			Status of Irrigation Development (1989)					
Crops	Cultivated Area	Production				Unit Yield																																																																	
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Population 2000 <u>507,000</u> persons			National Irrigation System (NIS)																																																																				
Population Density (1990) <u>101</u> persons /sq.km			No. of Systems <u>4</u> no.																																																																				
Population Growth Rate <u>3.6</u> %			Irrigation Service Area <u>20,916</u> ha																																																																				
Rural population (1990) <u>353,000</u> persons <u>81</u> %			Actually Irrigated Area <u>17,153</u> ha wet <u>      </u> ha dry <u>      </u> ha																																																																				
Urban population (1990) <u>81,000</u> persons <u>19</u> %			Cropping Intensity <u>      </u> %																																																																				
No. of Households <u>79,000</u> no.			No. of Beneficiary Farmers <u>      </u> no.																																																																				
No. of Farm Households <u>64,000</u> no.			Communal Irrigation System (CIS)																																																																				
% of farm household <u>81</u> %			No. of Systems <u>35</u> no.																																																																				
RGDP (1989) <u>35,779 M</u> Pesos			Irrigation Service Area <u>14,371</u> ha																																																																				
Per Capita RGDP (1989) <u>11,464</u> Pesos			Actually Irrigated Area <u>      </u> ha wet <u>      </u> ha dry <u>      </u> ha																																																																				
Rural <u>17,884 M</u> Pesos <u>50.0</u> %			Cropping Intensity <u>      </u> %																																																																				
Urban <u>17,895 M</u> Pesos <u>50.0</u> %			No. of Beneficiary Farmers <u>      </u> no.																																																																				
Rural Per Capita RGDP <u>7,058</u> Pesos			Pump Irrigation System (PIS)																																																																				
(Above or Below National Average per capita RGDP)			No. of Systems <u>232</u> no.																																																																				
Above + <u>16.8</u> %			Irrigation Service Area <u>750</u> ha																																																																				
Below - <u>      </u> %			Actually Irrigated Area <u>      </u> ha wet <u>      </u> ha dry <u>      </u> ha																																																																				
Income Class of Province <u>4th</u>			Cropping Intensity <u>      </u> %																																																																				
			No. of Beneficiary Farmers <u>      </u> no.																																																																				
<b>RELATION WITH CARP</b>			Ratio of Agricultural Land against Total Land <u>43.9</u> %			% of Irrigation Development (1989) <u>58.3</u> %																																																																	
CARP Priority Province No			Average Cropping Intensity <u>41.9</u> %			Status of Inventoried Sub-projects under SSIDP																																																																	
Area for distribution under CARP (EP) <u>8,301</u> ha			Average Farm Size <u>2.9</u> ha			Existing System																																																																	
Status of Issuance of Emancipation Patents (1990) <u>85.3</u> %			Total Agricultural Production Values (1989)			No. of Systems <u>22</u> no.																																																																	
No. of Units <u>4,362</u> unit			Crop Production <u>12,785 M</u> Pesos <u>71.5</u> %			Irrigation Service Area <u>4,878</u> ha																																																																	
Total Area <u>7,067</u> ha			Forestry <u>954 M</u> Pesos <u>5.3</u> %			Actually Irrigated Area <u>3,858</u> ha wet <u>3,858</u> ha dry <u>3,604</u> ha																																																																	
Total No. of Farmer-Beneficiaries <u>3,594</u> no.			Fishery <u>2,660 M</u> Pesos <u>14.9</u> %			Cropping Intensity <u>169</u> %																																																																	
No. of CISs/CIPs for implementation under CARP-IC			Livestock <u>1,485 M</u> Pesos <u>8.3</u> %			No. of Beneficiary Farmers <u>      </u> no.																																																																	
CISs <u>5</u> no. <u>2,800</u> ha			Total <u>17,884 M</u> Pesos <u>100.0</u> %			New Projects																																																																	
CIPs <u>11</u> no. <u>7,060</u> ha			Share of Agricultural Sector in RGDP <u>50.0</u> %			No. of Projects <u>24</u> no.																																																																	
Total <u>16</u> no. <u>9,860</u> ha			Supply and Demand Condition of Rice			Irrigation Service Area <u>3,470</u> ha wet <u>3,470</u> ha dry <u>3,470</u> ha																																																																	
			1989			Cropping Intensity <u>153</u> %																																																																	
<b>PHYSICAL PROFILE</b>			Total Gross Paddy Production <u>214,125</u> tons			No. of Beneficiary Farmers <u>      </u> no.																																																																	
Topography			Seeds, Feeds & Wastes <u>20,342</u> tons			All of Inventoried Sub-projects																																																																	
Climate			Total Net Paddy Production <u>193,783</u> tons			No. of Systems/projects <u>46</u> no.																																																																	
plain/flat <u>31.00</u> % Type: <u>IV</u>			Milling Recovery <u>65</u> %			Irrigation Service Area <u>8,348</u> ha																																																																	
undulating/rolling <u>      </u> % Annual Rainfall <u>875</u> mm			Availability of Rice for Consumption <u>125,959</u> tons			No. of Beneficiary Farmers <u>      </u> no.																																																																	
hilly/mountaneous <u>69.00</u> % wet season <u>      </u> mm			Per capita Availability of Rice <u>291</u> Kg			Average Size of Inventoried Sub-projects																																																																	
swamp/others <u>      </u> % dry season <u>      </u> mm			Total Demand for Rice <u>48,725</u> tons			Existing system <u>222</u> ha																																																																	
Total <u>100.00</u> % Frequency of Typhoon <u>      </u> %			Surplus <u>77,234</u> tons			New projects <u>145</u> ha																																																																	
Soils			Deficit <u>      </u> tons			<b>PROVINCIAL IRRIGATION OFFICE (PIO)</b>																																																																	
Arable land <u>1,883.09</u> sq.km			2000			Name of responsible PIO: <u>Sultan Kudarat PIO</u>																																																																	
Suitable for:			Total Gross Paddy Production <u>237,282</u> tons			No. of Permanent Staff <u>18</u> persons																																																																	
paddy <u>58</u> % wet season <u>      </u> MCM			Seeds, Feeds & Wastes <u>22,542</u> tons			Technical/engineering staff <u>      </u> persons																																																																	
diversified crops <u>42</u> % dry season <u>      </u> MCM			Total Net Paddy Production <u>214,740</u> tons			Administrative staff <u>      </u> persons																																																																	
Annual flooded area <u>      </u> sq.km			Milling Recovery <u>65</u> %			No. of Contractual Staff <u>4</u> persons																																																																	
			Availability of Rice for Consumption <u>139,581</u> tons			Total <u>22</u> persons																																																																	
			Per capita Availability of Rice <u>275</u> Kg			<b>REMARKS</b>																																																																	
			Total Demand for Rice <u>59,904</u> tons																																																																				
			Surplus <u>79,677</u> tons																																																																				
			Deficit <u>      </u> tons																																																																				

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