THE REPUBLIC OF THE PHILIPPINES NATIONAL IRRIGATION ADMINISTRATION

THE REPUBLIC OF THE PHILIPPINES NATIONAL IRRIGATION ADMINISTRATION

DEVELOPMENT PROJECT (SSIDP)

ANNEXES

FEBRUARY 1992

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THE MASTER PLAN STUDY ON THE SMALL-SCALE IRRIGATION

THE MASTER PLAN STUDY ON THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT (SSIDP)

ANNEXES

FEBRUARY 1992

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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THE REPUBLIC OF THE PHILIPPINES NATIONAL IRRIGATION ADMINISTRATION

THE MASTER PLAN STUDY ON THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT

(SSIDP)

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ANNEXES

FEBRUARY 1992

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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LIST OF ANNEXES

ANNEX A	Work Flow and Methodology of the Study
ANNEX B	Inventory Survey
ANNEX C	Additional Inventory Survey
ANNEX D	Implementation Procedures of CISs/CIPs
ANNEX E	Supplemental Questionnaire Survey on Institutional Aspects
ANNEX F	Profiles of Sample Sub-Project (Results of Post-Evaluation Studies)
ANNEX G	Pre-Feasibility Studies on Representative Sample Sub-Projects
ANNEX H	Priority Grouping of Candidate Sub-Projects and Major Features
	of "A" Group Sub-projects
ANNEX I	Regional/Provincial Implementation Schedules and Annual Fund
	Requirements
ANNEX J	Database System for Administration and Management

- **i** -

:		ABBREVIATIONS
(1)	Organization	
	NIA C.O. RIO PIO PDD DSD	National Irrigation Administration NIA Central Office Regional Irrigation Office of NIA Provincial Irrigation Office of NIA Project Development Department in NIA Design and Specifications Department in NIA
	SMD IDD DPWH DENR DA DBM AFC NWRB FSDC CAR MAR JICA	System Management Department in NIA Institutional Development Department in NIA Department of Public Works and Highways Department of Environment and Natural Resources Department of Agriculture Department of Budget and Management Agricultural and Fisheries Councils National Water Resources Board Farm Systems Development Corporation Cordillera Administrative Region Moslem Autonomous Region Japan International Cooperation Agency
(2)	Others	
	SSIDP NIP/NIS CIP/CIS CIDP CIDIP CARP-IC VCIPP O&M SWIM SWIP IA IT RID PIE IDO GDP EIRR F/S DD D/E BOD G.E.S.A. LMC M&E NGO PAP PCR POW PVO RAP RIM ROW SEC	Small Scale Irrigation Development Project National Irrigation Project/System Communal Irrigation Development Project Communal Irrigation Development Implementation Project Comprehensive Agrarian Reform Program-Irrigation Component Visayas Communal Irrigation Participatory Program Operation and Maintenance Small Water Impounding Management Projects Small Water Impounding Projects Irrigators' Associations Irrigators' Associations Irrigation Technician Regional Irrigation Director Provincial Irrigation Engineer Irrigation Development Officer Gross Domestic Product Economic Internal Rate of Return Feasibility Study Detailed Engineering Board of Directors General Engineering Designs Detailed Engineering Board of Directors General Engineering Supervision and Administration Local Minor Contract Monitoring and Evaluation Non-Government Organization Provincial Annual Program Project Completion Report Program of Work Private Volunteers Organization Regional Annual Program Regional Irrigation Manager Right-of-Way Securities and Exchange Commission
		- ii -

₽	Philippine Peso
¥	Japanese Yen
US\$	US Dollar

Length

(3)

Weight

mm	=	millimeter	mg	=	milligram
cm	=	centimeter	. g	=	gram
m	=	meter	kg	=	kilogram
km	=	kilometer	ton	=	metric ton
Area			Volume		
cm ²	=	square centimeter	cm ³	=	cubic centimeter
m ²	=	square meter	1		liter
ha	=	hectare	kl	=	kiloliter
			m ³	=	cubic meter
			MCM	=	million cubic meter

Other Measures

Other M	easures	
%	==	percent
m ³ /s	=	cubic meter per second
lit/s	=	liter per second

ANNEX A

WORK FLOW AND METHODOLOGY OF THE STUDY

ANNEX A

WORK FLOW AND METHODOLOGY OF THE STUDY

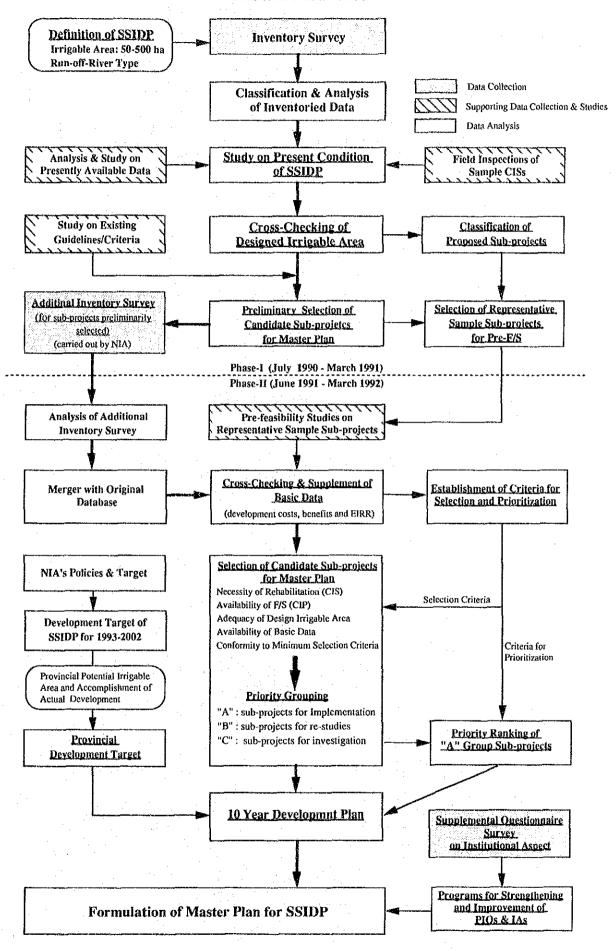
LIST OF FIGURES

Fig. A-01	Outline of Study Process for Master Planning	A-1
Fig. A-02	Inventory Survey and Selection of Sub-Projects for the Study	A-2
Fig. A-03	Reinforcement of Computerized Database	A-3
Fig. A-04	Form of 10 Year Development Plan	A-4

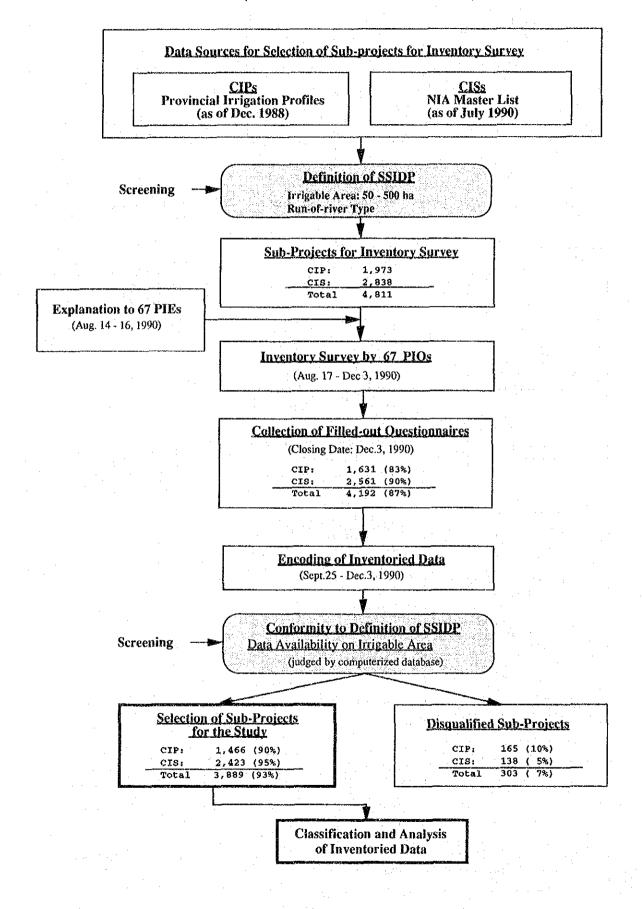
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A - i - .

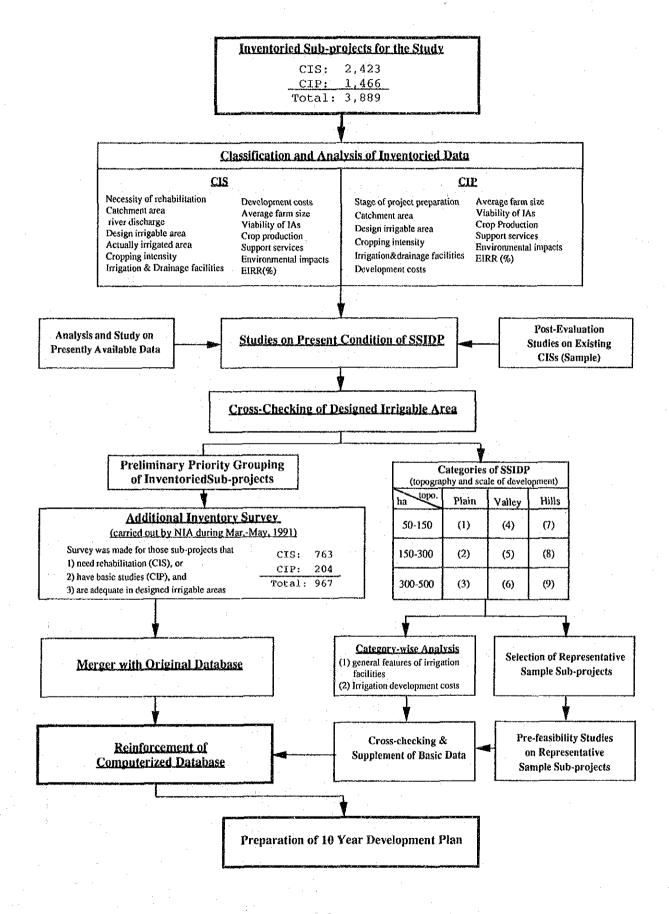
OUTLINE OF STUDY PROCESS FOR MASTER PLANNING



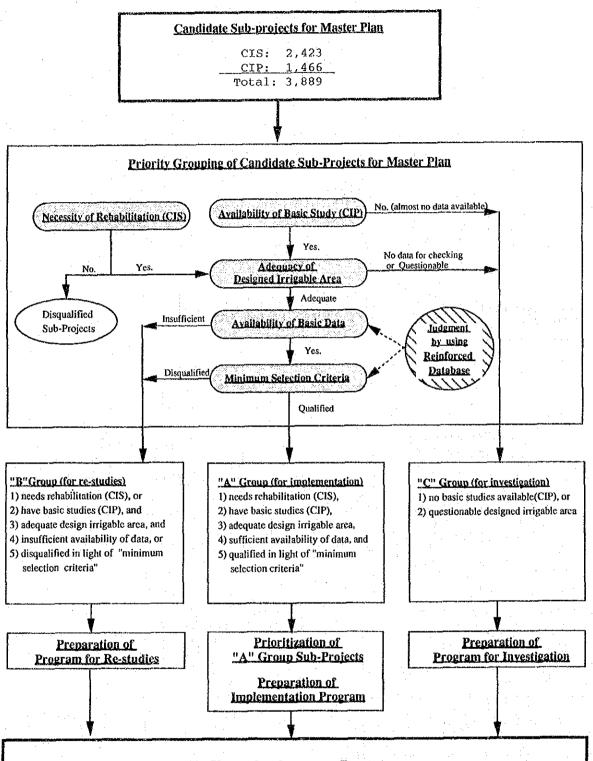
INVENTORY SURVEY AND SELECTION OF SUB-PROJECTS FOR THE STUDY (OUTLINE OF STUDY PROCESS)



REINFORCEMENT OF COMPUTERIZED DATABASE (OUTLINE OF STUDY PROCESS)



FORM OF 10 YEAR DEVELOPMENT PLAN (OUTLINE OF STUDY PROCESS)



10 Year development Program

ANNEX B

INVENTORY SURVEY

ANNEX B-1

QUESTIONNAIRES FOR INVENTORY SURVEY

Table of Contents

Page

1.	Instruction for Answering Questionnaires for Inventory Survey	B1-1
2.	Questionnaires for Inventory Survey (Existing Projects)	B1-7
3.	Questionnaires for Inventory Survey (New Projects)	B1-24
4.	Questionnaires for Inventory Survey (Expansion Programs)	B1-39

B1 - i

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) THE MASTER PLAN STUDY ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT (SSIDP)

INSTRUCTION FOR ANSWERING QUESTIONNAIRE FOR INVENTORY SURVEY

1. WHAT IS SSIDP?

The Small Scale Irrigation Development Projects (SSIDP) are a kind of communal irrigation system/projects (CIS/CIP) and are defined as those of run-offriver type having irrigation areas of 50 - 500 ha in net. CIS/CIP by pumping and/or those with storage dams (Small Reservoir Irrigation Projects--SRIP) shall not be inventoried and studied as the candidate projects for the Master Plan Study.

II. CLASSIFICATION OF SSIDP

- 1. The following basic classifications of SSIDP have been agreed upon between NIA and JICA Study Team:
 - a) <u>Existing Projects:</u> Communal Irrigation System (CIS) with the existing irrigation/drainage structures for rehabilitation, reconstruction and improvement, and
 - b) <u>New Projects:</u> Communal Irrigation Project (CIP) without the existing irrigation/drainage structures
- 2. Any CIS which has an expansion plan of the irrigation area will be classified as an existing project. In this case, service area of the CIS means a total area including the expannsion area.
- 3. Any CIP which is under construction or is already constructed but has not been handed over to IA will be tentatively classied as an existing project.

- 4. Only CIPs which have no irrigation/ drainage facilities at present and are not constructed yet, being still at project preparation stsges, will be classified into a category of new project. For such new projects (CIPs), if there is an expansion plan, the service area shall be updated including its expansion area.
- 5. All the candidate projects shall further be classified into the following four (4) categories:
 - a) Amortizing system/project
 - b) Non-amortizing system/project
 - c) Private system/project
 - d) Unknown / not decided yet

III. NAMES AND CODES OF CANDIDATE PROJECTS

1. Selection of Candidate Projects

The candidate projects have been selected and listed, in the light of the definitions of SSIDP, from the master lists of NIA for the existing projects (CISs), and 10 Year Irrigation Development Program indicated in the Provincial Irrigation Profile for new projects (CIPs). No additional inclusion of projects shall be allowed in principle.

The candidate projects for the Master Plan Study are shown in the projects lists which are separately compiled province by province. The project lists for each province will be given to the respective PIEs at the Meeting.

2. Names and Codes of Candidate Projects

Please write the name of each candidate project in an appropriate column on page 1 of the questionnaires together with the scheme No. which shall be indicated according to the following:

Example: Existing Project (CIS), Amortizing System in Quirino of Region II

E		<u>_14</u>	005	<u>A</u>
(1)	(2)	(3)	(4)	(5)
where,		· .		

B1 - 2

(1) E: Existing Project

N: New Project

- (2) Region Number
- (3) Province Number (see attached map)
- (4) Serial number of the candidate projects in each category of "New"
- and "Existing" projects as indicated (1) above.
- (5) A: Amortizing System/Project
 - N: Non-amortizing System/Project
 - P: Private System/Project
 - U: Unknown / or not decided yet

IV. GENERAL INSTRUCTIONS FOR ANSWERING QUESTIONNAIRES

- 1. Kindly answer all the questions in accordance with the instructions and sample answers.
- 2. Where the question has parenthesis, please fill the appropriate spaces with check mark " \checkmark ".
- 3. On descriptive questions, please write legibly in block letters and briefly within 30 letters.
- 4. Where the answer is in number, please confirm necessity of a decimal point according to the sample answer. If decimal point is used in the sample answer, write the numbers (figures) using decimal point. (Whenever decimal point is used in the answer, two decimal digits are required. For example: 2.00, 3.92 and 45.32)
- Where the answer is in peso, please remove centavos except for Question No.
 3501 (average farm gate price per kg).

(good)	(bad)
₽4530	₽4530.21
₽65	₽65.00

6. Where the answer is in number or in peso, please don't use comma (,) in every three digits.

(good)	(bad)
5897490	5,897,490
₽8265400	₽8,265,400

- 7. Where the question is inappropriate, please write "NA" which means "not applicable" in the answer space.
- 8. If there is the CIS which has an area expansion program, kindly answer the separate questionnaire on its expansion program together with that for the existing project. In answering the separate questionnaire on the expansion program, please indicate only the data and information regarding the expansion program. In answering the questionnaire on the existing project (CIS), please do not indicate the data and information for the expansion program and limit to only those for the existing ones.
- 9. Abbreviations used in the questionnaires and to be used by PIEs in answers are as follows:

CIS:	Communal Irrigation System
CIP:	Communal Irrigation Project
PIO:	Provincial Irrigation Office
PIE:	Provincial Irrigation Engineers
IA:	Irrigators' Association
F/S:	Feasibility Study
GS:	Gauging Station
RS:	Rainfall Station
SN:	Samahang Nayon
PBME:	Project Benefit Monitoring and Evaluation
DA/BAS:	Department of Agriculture/Bureau of Agricultural Statistics
DAR:	Department of Agrarian Reform
CARP:	Comprehensive Agrarian Reform Program
LB:	Land Bank
RB:	Rural Bank
PNB:	Philippines National Bank

V. SPECIFIC INSTRUCTIONS FOR ANSWERING QUESTIONNAIRES

V-1. For Both New and Existing Projects

- 1. "Intake Site" used in the questionnaires means diversion point.
- 2. "Drainage Water Requirement" used in the questionnaires means drainage module.
- 3. Question No.2203 (i): please answer name of gauging station with catchment area in Km².

V-2. For Existing Project

2

1. Question No.42: To be read as follows:

42	. Storage/Drying Facilities	
()	Available and sufficient; Distance to project site:	<u>km</u>
()	Available and insufficient; Distance to project site:	<u>km</u>
()	Not available	
. Qu	estion No. 5101: To be read as follows:	
510	01. Irrigators Association (IA) Officials	
a.	College graduates:	<u>nos</u> .
Ь.	1st to 3rd year college:	<u>nos</u> .
с.	Secondary education level:	<u>noş</u> .
d.	Elementary education level:	
e.	Undergone training course on CIS:	<u>nos</u> .
f.	No training on CIS:	<u>nos</u> .

VI. ADDITIONAL REQUESTS RELATED TO INVENTORY SURVEY

 Kindly indicate locations of all the CISs/CIPs given in the project lists on 1: 250,000 topographic maps, referring to the sample map.

- 2. Kindly prepare the priority lists of the candidate projects (separate listing shall be made for the existing and new projects).
- 3. Kindly submit the above lists and maps together with the answered questionnaires to the following address through your NIA Regional Office:

To: The Administrator National Irrigation Administration EDSA, Diliman, Quezon City <u>Attention: Mr. Calixto P. Timonera</u> <u>NIA Counterpart Team Leader for SSIDP</u>

4. The above documents and maps shall be accepted by the JICA Team at any time before the following deadlines; therefore please kindly submit the same whenever the assigned work is completed (earlier submission will ease the succeeding data entry to computers and therefore will be highly appreciated.):

(1)	answered questionnaires:	to the regional Office
		not later than September 25, 1990
		to the central office
		not later than September 28, 1990
(2)	priority lists and maps:	to the regional Office
		not later than October 25, 1990
		to the central office
		not later than October 31, 1990

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE MASTER PLAN STUDY

ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT

Questionnaire for Inventory Survey (Existing Project)

Notes:

1. Where the question has parenthesis, write the number or fill the appropriate spaces with " \checkmark ".

2. On descriptive questions, answer either by specifying or writing down briefly and clearly.

3. For doubtful points, if any, please see the attached answer sample.

Name of Project:	BASAO C	SIS		
Name of Responsible Office:	CAGAYAN	PIO		
Filled by:	JUAN DELA	CRUZ	(PIE)	

1. GENERAL

11. General

1101 Location

	a.	Region:	<u> </u>	·····
	b.	Province:	CAGAY	(AN
	c.	Municipality:	GATTA	RAN
	d.	Barangay:	NASIA	
	e.	Latitude & Longitude (at intake site):	N.Lat. 18	° 04 ' 10 "
			E.Long. /?/	40'05"
	f.	Distance from NIA's provincial office:		22 km
1102	Pro	ject History:		
	a.	Year of feasibility study completed		19 80
	b.	Year of detailed design completed		1981
	c.	Year of construction started		<u>19 82</u>
	d.	Year of construction completed		<u>19 83</u>
	e.	Year of rehabilitation works made (if any)		<u>19 NA</u>
1103	De	signed Irrigable Area (as estimated at the time	e of F/S)	
а. А	a.	Net irrigable area in the wet season:	i e s	135 ha
	ь.	Net irrigable area in the dry season:		120 ha

		Scheme N	O.: Fage No 2 of 17
	1104	Actually Irrigated Area (using paddy map or a	s reported by IA)
	1104	a. Net irrigated area in the wet season:	120 ha
		b. Net irrigated area in the dry season:	120 ha
	1105	Is There the Existing Irrigators' Association (I	
		() No	
		(ν) Yes: Date organized: <u>August in 19</u>	78
			(Year)
		Was IA registered?	
		() No	
		(v) Yes:	
		a. Name:	Nasiona JA
		b. Date registered:	July in 1979
			(month) (year)
		c. Number of members:	<u> </u>
	1106	Term of Loan Agreement	
		a. Date of loan agreement:	JULY IN 1982
		b. Amount of IA loan:	₽ 1475100
		c. Repayment period:	25 years
		d. Amount of annual repayment:	₽ 59000
		e. Repaid amount as of 1989:	₽ 206aa
	1107	Will the Project be Covered by the Proposed N	lational Irrigation Project?:
		(1) No	
		() Yes: Name of the Proposed National Irrig	ation Project:
2.	ENGI	NEERING	
21.	Physic	ography, Soils & Land Classification	
	2101	Topography:	
		() Alluvial Plain	
	•	(1) Flat area in valley	
		() Terrace	
		() Hilly	
	2102	Soil Condition:	
		() Heavy clay	
		() Silty Clay/Light Clay/Sandy Clay	
		(1) Silty Clay Loam/Clay Loam/Sandy Clay	
		() Silty Loam/Loam/Sandy Loam/Loamy Sa	ind
		() Sand	
		D1 0	
		B1 - 8	

Scueme No	Schem	e No
-----------	-------	------

				•		1
	2103	Land Classification for Rice	**			
		a. Class 1R			102	ha
		b. Class 2R			ر ر	ha
÷.,		c. Class 3R			0	<u>ha</u>
	2104	Land Classification for Dive	ersified Crops:			
		a. Class 1	-		10	h
	·	b. Class 2			65-	ha
		c. Class 3			0	ha
	2105	Was 1:4000 Topographic M	lap for the Proj	iect Already Prepare	d?:	
		(Yes		,, - <u>-</u>		
		() No				
22. 1	Water	Source				
	2201	Name of River:				
		a. Main source		NASIPING	RIVER	
		b. Supplementary source(if anv)	NASIPING NA		
	2202	Necessity of Storage Dam a	-	- <u></u>	·	
4	<i>L4</i> VL	• -		traight in unstroom a	fintalear	
		a. Was storage dam constr () Nor		Tojet in upsitean (n nitake:.	
		() Yes				
		(√) No				
		b. Is pump(s) used as an i	ntake of the Pr	roject?:		
		() Yes				
		(<i>v</i>) No				•
	2203	Is there Gauging Station in t	the River (Mai	n source)?:		

Is there Gauging Station in the River (Main source)?: 2203

() No

(v) Yes:

NASIPING RIVER GS 85KM2)

(ii) Location of station:

(i) Name of station:

 $(\sqrt{)}$ 0.10 km upstream of intake

() km downstream of intake

()Near the intake

(iii) Observation period:

13 years from 1960 to 1972

2204	River Discharge in Dry Season	
	a. Average low flow:	
	- Main source	<i>800</i> li
	- Supplementary source	NA li
	b. Is the above discharge guessed or	r measured ?:
	() Guessed	
· .	(v) Measured	24
2205	Catchment Area at Intake Site:	86
2206	River Bed Elevation at Intake Site:	<u>EL 32.2</u>
2207	Is There Rainfall Station in and near th	he Area ?:
	() No	
	(√) Yes:	
	(i) Name of station:	NASIPING RS
	(ii) Location of station:	$2 \text{ km} \underline{SOUTH}$ of the a
	(iii) Observation period:	<u>30 years from 1960 to 199</u>
2208	Rainfall (use secondary PAGASA data	
	a. Average annual rainfall:	2/20
3. Irrigat 2301	ion Water Diversion Water Requirement at Intak	
•	Diversion Water Requirement at Intak	
•	Diversion Water Requirement at Intak irrigation area / overall irrigation effici	iency)
•	Diversion Water Requirement at Intak irrigation area / overall irrigation effici a. Designed:	iency)
•	Diversion Water Requirement at Intak irrigation area / overall irrigation efficientsa. Designed:b. Actual:	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation effici a. Designed: b. Actual: c. Purpose of water taken from intak 	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation 	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water 	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery 	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising 	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower 	iency) <u>20% lit/sec</u> <u>20% lit/sec</u>
2301	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify 	$\frac{270 \text{ lit/sec}}{20 \text{ % lit/sec}}$ ke: (not limited to one)
•	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify 	$\frac{270 \text{ lit/sec}}{20 \text{ ke: (not limited to one)}}$
2301	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify Farm Water Requirement (land soaking rainfall)	$\frac{270 \text{ lit/sec}}{20 \text{ ke: (not limited to one)}}$ $\frac{1}{10000000000000000000000000000000000$
2301	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify Farm Water Requirement (land soaking rainfall) a. Designed: 	$\frac{270 \text{ lit/sec}}{20 \text{ ke:}}$ ke: (not limited to one) $\frac{1000 \text{ lit/sec/ha}}{1000 \text{ lit/sec/ha}}$
2301	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify Farm Water Requirement (land soaking rainfall) a. Designed: b. Actual: 	iency) $ \frac{270 \text{lit/sec}}{20 \times \text{lit/sec}} $ ke: (not limited to one) $ \frac{100 \text{lit/sec/ha}}{100 \text{lit/sec/ha}} $
2301	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify Farm Water Requirement (land soaking rainfall) a. Designed: b. Actual: Situation of Water Shortage in Dry Set 	iency) $ \frac{270 \text{lit/sec}}{\text{lit/sec}} $ ke: (not limited to one) $ \text{hg} + \text{ET} + \text{percolation} - \text{effective} $ $ \frac{1.02 \text{lit/sec/ha}}{0.85 \text{lit/sec/ha}} $
2301	 Diversion Water Requirement at Intak irrigation area / overall irrigation efficients a. Designed: b. Actual: c. Purpose of water taken from intak (v) Irrigation () Drinking water (v) Inland fishery () Cattle raising () Mini-hydropower () Others:(specify Farm Water Requirement (land soaking rainfall) a. Designed: b. Actual: 	iency) $ \frac{270 \text{lit/sec}}{\text{lit/sec}} $ ke: (not limited to one) $ \text{hg} + \text{ET} + \text{percolation} - \text{effective} $ $ \frac{1.02 \text{lit/sec/ha}}{0.85 \text{lit/sec/ha}} $
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() Occasional water shortage

(v) Frequent water shortage: Duration from MARCH to APRIL

Scheme No.:

(Month) (Month)

- 2304 Main Reason of Water Shortage:
 - (\checkmark) Shortage of river discharge
 - Less flow capacity of canal by poor maintenance (.)
 - Malfunction of irrigation facilities (
 - Improper design of irrigation facilities (
 - (bad location, etc.)
 - (1) Excessive use of water by farmer
 - Others: (specify $(\cdot \cdot)$
- 24. Irrigation Facilities
 - 2401 Intake structure
 - Completed year: a.
 - Approximate river width at intake: ь.
 - Is intake accompanied with diversion weir? c.
 - No (\cdot)
 - Yes (i) Material of weir: (√)
 - Wood) ŀ
 - Earth) ſ
 - Masonry) (
 - (√) Concrete
 - (ii) Height of weir:
 - (iii) Length of weir:
 - (iv) Crest elevation :

m 25.00 m 33.50 m El

1.50

- (v) Necessity of rehabilitation/improvement:
 - () Not necessary
 - (√) Necessary
- (vi) Estimated rehabilitation/improvement cost
 - as of 1990, (if necessary):

28800

2402 Irrigation Canals & Structures

Does irrigation canal have dual purpose of irrigation and drainage ?: a.

- () Yes
- (V) No

a

b

С

b. Length of earth canals

Main canals:	1.20 1	<u>cm</u>
Lateral canals:	1.85	m
Sub lateral canals:	0.70	cm

		Scheme No.:	
		Page	No 6 of 17
			×0.10 km
		d Field ditches:	Kin
		c. Length of lined canals	0.30 km
		a Main canals:	<u>^}</u>
		b Lateral canals:	
		c Sub lateral canals:	<u> </u>
		d. Length of earth canals to be rehabilitated/improved (if nec	.
		a Main canals:	
		b Lateral canals:	<u> </u>
		c Sub lateral canals:	o km
		d Field ditches:	
		e. Length of lined canals to be rehabilitated/improved (if nec	
		a Main canals:	<u> </u>
		b Lateral canals:	<u> </u>
		c Sub lateral canals:	$\frac{\partial}{\mathrm{km}}$
	2403		
		a. Total numbers of irrigation canal structures	
		Including 24 nos of Turnouts:	<u>56 nos</u>
		b. Numbers of irrigation canal structures	
		to be rehabilitated/improved (if necessary):	<u>20 nos</u>
	2404	Estimated Rehabilitation/Improvement Costs for Irrigation Fac	
		as of 1990 (if necessary):	p 27× 000
25.	Draina	age Facilities	
	2501	Designed Drainage Water Requirements:	7.20 lit/sec/ha
	2502	Drainage Canals	•
		a. Length of project drains:	<u>/30 km</u>
		b. Length of farm drains:	1.55 km
		c. Length of drainage ditches:	21.00 km
		d. Length of project drains to be rehabilitated/improved	
		(if necessary):	<u> </u>
		e. Length of farm drains to be rehabilitated/improved	. 4
		(if necessary):	1.0 km
	•	f. Length of drainage ditches to be rehabilitated/improved	
		(if necessary):	<u> km</u>
	2503	Drainage Canals Structures	
		a. Total numbers of drainage structures:	<u>25 nos</u>
		b. Number of structures to be rehabilitated/improved	<u> </u>
	2504		
		facilities as of 1990 (if necessary):	P 85000
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

		Scheme No.:	
		Page	No 7 of 17
:			
26.		age and Flood Condition	
	2601	Is Area Affected by Floods ?:	
		a. () No floods:	<u>ha</u>
		b. (√) Annual floods:	<u>/35 ha</u>
	÷	c. () Floods in every several years:	<u> </u>
	2602	What are damaged by floods? (not limited to one)	
÷.,		() Human lives	
		(√) Crops	
		() Houses and structures	
		() Others: (specify)	
	2603	Measures for Drainage Improvement and Flood Mitigation,	
		and Estimated Costs as of 1990 (if necessary) (not limited to	one)
		a. () Construction of drainage canals & structures:	<u>₽</u>
		b. (\checkmark) Construction of dikes:	₽ 830000
		c. () Construction of control structures:	₽
		d. () Construction of drainage pump house:	<u>P</u>
27.	Servic	e & Access Roads	
	2701	Service Roads	:
		a. Length:	1.50 km
		b. Width:	<u>3.00 m</u>
	2702	Access Roads	
		a. Length:	7.50 km
		b. Width:	<u>×.00 m</u>
	2703	Length of Service Roads to be Rehabilitated/improved	
		(if necessary)	<u> </u>
	2704	Length of Access Roads to be Rehabilitated/improved	
		(if necessary)	1.20 km
	2705	Estimated Rehabilitation/Improvement Costs for Service Road	ds
		as of 1990 (if necessary):	<u>₽ 0</u>
	2706	Estimated Rehabilitation/Improvement Costs for Access Road	is
		as of 1990 (if necessary):	<u>p 143000</u>
28.	Constr	ruction Costs at Time of Completion	
	2801	Diversion Weir including Afflux Dike:	P \$32000
	2802	Intake:	₽ 238 000
1.1	2803	Irrigation Canals with Structures:	₽ 588 000
	2804	Drainage Canals with Structures:	P ×69000
	2805	Service Roads with Structures:	P 180 000
	2806	Access Roads with Structures:	P 307000

Page No

8 of 17

22

nos

		rage rage	NO 8 OI 1/
	2807	Flood Protection Dikes:	p o
	2808	Land Reclamation:	₽ Ø
29.	Opera	ation and Maintenance (O/M) Fee	
	2901	Does IA Collect O/M Fee other than amortization fee?	
		() No	
		$(\sqrt{)}$ Yes: How much?:	
		a. Wet season paddy:	₽ 175 /ha
		b. Dry season paddy:	₽ 175 /ha
		c. Major diversified crops:(specifies)	
		i) <u>CORN</u> ;	₽ 150 /ha
		ii);	<u>₽/ha</u>
		iii) <u>.</u>	₽ <u>/ha</u>
	2902	O/M Fee in 1989	
	· .	a. Amount collectable/due:	₽ 36950 ₽ 25930
		b. Total O/M fee actually collected:	₽ 25730
	2903	Are O/M activities satisfactorily carried out ?:	
	۰.	() Yes	
		(√) No	
		(i) () No cooperation of member-farmers	1 · · · ·
		() Improper design of facilities	
		(Location, capacity etc.)	
		$(\sqrt{)}$ Shortage of fund, materials and equipment	
		() Others: (specify) a a
	2904	Total Annual O/M Costs: P_28800_in 1985	.•
		₽ <u>28/00</u> in 1986	
		₽ <u>27300</u> in 1987	· .
		₽ <u>26700</u> in 1988	
		₽ <u>25730</u> in 1989	
			*
3.		CULTURE AND AGRO-ECONOMY	
	(If prin	mary data can not be generated, use secondary data from latest	census, SN,
	PBME	Eresults, DA/BAS and others.)	
31.	Socio-	Economic Background	
	3101	Population in the Project Area in 1989:	672 persons
	3102	Nos. of Households in the Project Area in 1989	
	н 1 т. т. т.	a. Farming household:	90 nos

b. Non-farming household:

B1 - 14

. •

•	3103	Nos. of Farming Beneficiaries in 1989	
		a. Inside the project area:	90 nos
		b. Outside the project area:	<u>/0</u> nos
	3104	Land Holding Distribution of Farming Bene	
	<i></i>	a. More than 3 ha:	·
		b. 2.5 to 3 ha:	· · · · · · · · · · · · · · · · · · ·
		c. 2 to 2.5 ha:	
		d. 1.5 to 2 ha:	······································
		e. 1 to 1.5 ha:	CO.
		f. 0.5 to 1 ha:	- <u> </u>
			~
	2105		
	3105	Average Farm Size of Beneficiaries:	<u> 7.20 ha</u>
	3106	Tenurial Status	10 nos and 12 ha in total
		a. Full owner:	
		b. Part owner:	
		c. Amortizing owner (under CARP):	
		d. Share tenant:	
	2107	e. Lessees:	
	3107	Progress of Agrarian Reform in the Area as	of July, 1990:
		() 100% of the total area $(2.75, 100\%)$	
		() 75-100 % of the total area	
		(\checkmark) 50-75 % of the total area	
		() 25-50 % of the total area	
. *		() Less than 25% of the total area	
	A 4 A A		
· · · ·	3108	Area Eligible for Distribution under CARP:	<u>~7.00 ha</u>
•••	3109	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents:	<u></u>
32.	3109 Cultiv	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area	lla
32.	3109	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area :	60.00 %
32.	3109 Cultiv	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area : <u>1985</u>	<u> </u>
32.	3109 Cultiv	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area : <u>1985</u> a. Wet season paddy: <u>/20 ha /1</u>	<u>1986 1987 1988 1989</u> <u>17 ha 114 ha 112 ha 108 ha</u>
32.	3109 Cultiv	Area Eligible for Distribution under CARP:Status of Issuance of Emancipation Patents:ation AreaActual Cultivated Area :1985a. Wet season paddy:120 hab. Dry season paddy:85 ha	<u>1986 1987 1988 1989</u> <u>17 ha 114 ha 112 ha 108 ha</u>
32.	3109 Cultiv	Area Eligible for Distribution under CARP:Status of Issuance of Emancipation Patents:ation AreaActual Cultivated Area :1985a. Wet season paddy:120 hab. Dry season paddy:85 hac. Major diversified crops, if any:	$\frac{1986}{1987} \frac{1988}{1988} \frac{1989}{1989}$ $\frac{17 \text{ ha}}{11^{4} \text{ ha}} \frac{11^{2} \text{ ha}}{12^{2} \text{ ha}} \frac{1989}{72^{2} \text{ ha}}$
32.	3109 Cultiv	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area : 1985 a. Wet season paddy: 120 ha b. Dry season paddy: 85 ha c. Major diversified crops, if any: i)	$\frac{1986}{1987} \frac{1988}{1989} \frac{1986}{1987} \frac{1988}{1989} \frac{1989}{17 \text{ ha}} \frac{11\% \text{ ha}}{11\% \text{ ha}} \frac{10\% \text{ ha}}{11\% \text{ ha}} \frac{11\% \text{ ha}}{11\% \text$
32.	3109 Cultiv	Area Eligible for Distribution under CARP:Status of Issuance of Emancipation Patents:ation AreaActual Cultivated Area :1985a. Wet season paddy: $\frac{120}{N}$ hab. Dry season paddy: $\frac{85}{ha}$ c. Major diversified crops, if any:i) \underline{CORN} $\underline{35}$ ha $\underline{35}$ ha $\underline{35}$ ha	$ \begin{array}{c} 1986 \\ $
32.	3109 Cultiv	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area : 1985 a. Wet season paddy: $\frac{120}{ha}$ b. Dry season paddy: $\frac{85}{ha}$ c. Major diversified crops, if any: i) \underline{CORN} : $\frac{35}{ha}$ ii) iii) ha	$ \begin{array}{c} 1986 \\ 1987 \\ 1988 \\ 1989 \\ 17 ha \\ 114 ha \\ 112 ha \\ 108 ha \\ 108 ha \\ 1989 \\ $
32.	3109 Cultiv	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area : 1985 a. Wet season paddy: $\frac{120}{ha}$ b. Dry season paddy: $\frac{85}{ha}$ c. Major diversified crops, if any: i) \underline{CORN} : 35 iii) iii) ha Can present paddy field be used for diversified	$ \begin{array}{c} 1986 \\ 1987 \\ 1988 \\ 1989 \\ 17 ha \\ 114 ha \\ 112 ha \\ 108 ha \\ 108 ha \\ 1989 \\ $
32.	3109 Cultiv 3201	Area Eligible for Distribution under CARP:Status of Issuance of Emancipation Patents:ation AreaActual Cultivated Area :1985a. Wet season paddy: 120 hab. Dry season paddy: 85 hac. Major diversified crops, if any:i) $20RN$ ii)	$ \begin{array}{c} 1986 \\ 1987 \\ 1988 \\ 1989 \\ 17 ha \\ 114 ha \\ 112 ha \\ 108 ha \\ 108 ha \\ 1989 \\ $
32.	3109 Cultiv 3201	Area Eligible for Distribution under CARP: Status of Issuance of Emancipation Patents: ation Area Actual Cultivated Area : 1985 a. Wet season paddy: $\frac{120}{ha}$ b. Dry season paddy: $\frac{85}{ha}$ c. Major diversified crops, if any: i) \underline{CORN} iii)	$ \begin{array}{c} 1986 \\ 1987 \\ 1988 \\ 1989 \\ 17 ha \\ 114 ha \\ 112 ha \\ 108 ha \\ 108 ha \\ 1989 \\ $
32.	3109 Cultiv 3201	Area Eligible for Distribution under CARP:Status of Issuance of Emancipation Patents:ation AreaActual Cultivated Area :1985a. Wet season paddy: 120 hab. Dry season paddy: 85 hac. Major diversified crops, if any:i) $20RN$ ii)	$ \begin{array}{c} 1986 \\ 1987 \\ 1988 \\ 1989 \\ 17 ha \\ 114 ha \\ 112 ha \\ 108 ha \\ 108 ha \\ 1989 \\ $

		(v) Yes: <u>120</u> ha		
	3203	Can present diversified crop field be used for paddy crop cultivation		
e e	•	without special works?:		
		() No		
		$(\sqrt{)}$ Yes: <u>120 ha</u>		
33.	Farmi	ing Calendar		
<i></i>	3301 Present Cropping Pattern in 1989			
	5501		from MAY to SEPTEMBER	
		a. Wet season pauly.	(Month) (Month)	
		b. Dry season paddy:	from NOVEMBER MARCH	
	• .	b. Dry season paudy.	(Month) (Month)	
	•	c. Major diversified crops, if a		
			from NOVEMBER to FEBRUARY	
		i) <u>CORN</u> :		
·			(Month) (Month)	
		ü):	from to	
		••••	(Month) (Month)	
		iii) <u> </u>	from to	
			(Month) (Month)	
		d. Present cropping intensity:	200 %	
			d wet season / Area planted during wet	
~ ~		season x 100)		
34.		Production		
	3401	Average Crop Yield in 1989		
	,	a. Wet season paddy:	<u>3.00</u> ton per ha	
		b. Dry season paddy:	3.50 ton per ha	
		c. Major diversified crops, if a		
		i) <u>corn</u> :	2.00 ton per ha	
		ii);	ton per ha	
		iii):	ton per ha	
	3402	Total Crop Production in 1989 (A	Average yield per hax total area planted)	
	÷	a. Wet season paddy:	<u>32% ton</u>	
		b. Dry season paddy:	<u>252</u> ton	
		c. Major diversified crops, if a	ny:	
		i) <u>CORN</u> :	<u>70 ton</u>	
		ii);	ton	
		iii):	<u>ton</u>	
35.	Farm I	Budget		

3501 Average Farm Gate Prices in 1989

		· .		Sch	eme No.:	Page	No	11	of	17
		a Wates	ason no ddw			₽	5	00	50	r kg
			ason paddy:			£ ₽		00		
		•	ason paddy:			£	~ ~ ·		_pe	<u>r kg</u>
			diversified cro CORN	ops, ir any:		n	3	00		
		i)	CONT			<u>P</u>			-	<u>r kg</u>
		ii)				<u>g</u>			-	<u>r kg</u>
		iii)				₽			pe	<u>r kg</u>
	3502		oduction Cost	in 1989	· · ·	7 5	0.0	<u>.</u>		
			ason paddy			<u>₽</u>	80			<u>r ha</u>
			ason paddy			₽	900	\mathcal{N}	pe	<u>r ha</u>
		•	Diversified cro	ops, if any:		: _ ·	3 0	00		
		i)	CORN	, ,	$\mathcal{M}_{\mathcal{M}} = \mathcal{M}_{\mathcal{M}}$	₽	30	00		<u>r ha</u>
		ii)		• •	н. 1	₽			pe	<u>r ha</u>
		iii)	al Refer To A and a final statement of the second	• •		₽			pe	<u>r ha</u>
				:		•				
	•									
4.	AGRI	CULTURAI	L SUPPORT S	ERVICES						
41.	Rice M	fill Facilities	:	: · ·						
	`(√) Av	ailable and s	ufficient;Dista	nce to projec	t site:			2	0	<u>km</u>
	() Av	ailable and in	nsufficient;Dis	tance to proje	ect site:					<u>km</u>
÷.,	() No	t available								
42.	Storag	e Facilities:								
	(√) Av	ailable and s	ufficient;Dista	nce to projec	t site:			: 2	0	km
÷.,	() Av	ailable and i	nsufficient;Dis	tance to proje	ect site:	:				km
	() No	t available	· .							
43.	Credit	Service:	· · · ·		•					
	(v)	Available		· .	· · · · ·					
	<u>,</u> ,,,	÷ .	I (LB, RB&PN	B):Distance	to project site	:		. 7	,	km
			al;Distance to	-				7		km
	(*)	Not availal		.	· · · · ·					
44	· ·	Input Service			· · ·	•				
••••	a.	Seed:	() Availabl	e Distance to	project site:			£		km
		0000	() Not avai	14 A.	project and.					
· .	b	Fertilizer:	() Availabl		nroiect site			2	3	<u>km</u>
·	υ.	a wa Ulitskal .	() Not avai		project alle.					<u>''गा</u>
· .	e e	Chaminala			meniont sites			δ	>	lem
	c.	chennicals:	(v) Availabl		project site:					<u>km</u>
		T	() Not avai	iable						
	d.	Farm mach	•	.	•				2	
		· · ·	(✓) Available;	Distance to p	roject site:	:	<u></u>	7		<u>km</u>
	•		· · ·		· . · · ·					
				B1 - 17						
				11 - 17						

Page No 12 of 17

() Not available

5	INSTI	TUTIONAL ASPECTS
51.	Educat	ional Attainment and Training
:	5101	Irrigators Association (IA) Officials
		a. College graduates:
		b. 1st to 3rd year high-school: <u>2 nos.</u>
. •	. 1	c. Secondary education level: <u>5 nos.</u>
		d. Elementary education level: <u>2 nos.</u>
	·	e. Undergone training course on CIS: <u>7 nos.</u>
	a e e a	f. No training on CIS
	5102	Non-IA Officials (members)
		a. Undergone training course on CIS: 224 nos.
		b. No training on CIS: <u>96 nos.</u>
	5103	Type of Training Course Undergone by IA Officials and Members:
		(v) System management and operation
		(/ Organizational management
		() Accounting procedures and financial management
		() Others (specify)
	5104	Type of Training Course that You (PIE) think are still needed
		by this particular IA/CIS
. •		() System management and operation
		() Organizational management
-		(v) Accounting procedures and financial management
		(V) Others (specify CREDIT AND MARKETING)
52.	Access	ibility to Services of Technicians
-	5201	Number of technicians assigned to/visiting the project area, by type
		a. Irrigation technician:nos.
		b. Irrigation community organizer:
		c. Others (specify):
		i) FARM TECHNICIAN : / nos.
		ii) <u>AGRARIAN REFORM TECHNICIAN</u> nos.
		iii) <u> </u>
	5202	Are they sufficient to service the need of the project area?:
		() Yes
		() No
i	5203	If no, how many more technicians are needed?

		Page No 13 of 17
a.	Irrigation technician:	NA nos.
b.	Irrigation community organizer:	NA nos.
c,	Others (specify): i) <u>CREDIT AND MARKETING</u>	
	ii):	<u>nos.</u>
	iii):	<u>nos.</u>
-atasa!	Amoniation	

53. Irrigators' Association

5301 Officers of Irrigators' Association

(Please check whether elected or appointed)

		Officers	Elected	Appointed
	a.	Board members:	(v)	()
	b.	President:	()	()
	c.	Vice-president:	(\mathbf{v})	()
	d.	Secretary:	()	(1/)
	e.	Treasurer:	(1)	()
	f.	Auditor:	(V)	()
	g.	Others (specify):		•
		i) <u>Cook</u>	()	(v)
		ii) <u>SERGENT-AT-ARMS</u>	()	(1)
		iii)	()	()
5302	Fre	quency of election of officials:	· · · ·	
	$\langle \rangle$	Yearly		
	()	Every two years		
	()	Others (specify:)	
5303	Exi	sting committees:		
	()	By laws		
	()	Irrigation management		
	()	Complaint/grievance		

() Education and training

(V) Others (specify: FINANCE

5304 Assessment of Working Relationship (based on your (PIE's) opinion)

_)

a. Among IA officials:

- () Excellent
- (v) Good
- () Fair
- () Poor
- b. Among IA members:

() Excellent

- (V) Good
- () Fair
- () Poor
- c. Between IA officials and members
 - () Excellent
 - (Good
 - () Fair
 - () Poor

5305 Linkage with other Agencies/entities

- a. NIA:
 - () Excellent
 - (Good
 - () Fair
 - () Poor
- b. DA, DAR and other government offices:
 - () Excellent
 - () Good
 - (Fair
 - () Poor
- c. Municipal/provincial governments and

barangay council/other barangay associations:

- () Excellent
- (√) Good
- () Fair
- () Poor
- d. Other IAs in the barangay/municipality
 - () Excellent
 - () Good
 - (V) Fair
 - () Poor

54 Farmer-Beneficiaries' Participation in Project Development

and Implementation

	Activity	Substantial	Little	None
a.	Project site selection:	(*)	(/)	· (,)
b.	Prioritization:	()	(⁄)	()
c.	Project conceptualization and proposal	н.,		
	preparation:	()	(1)	()
d.	Feasibility study preparation:	()	(1)	()

		Scheme	No.:			
				Page No	15 of 1	ĩ
e.	Fund sourcing:		()	(م)	()	
f.	Project construction:		(2)	·()	()	
g.	Operation and maintenance:		(1)	()	()	
h.	Monitoring and evaluation:		(v)	()	()	
i.	Process Documentation:		()	()	$\langle \mathbf{v} \rangle$	
j.	Others (specify)					
•	i) DETAILED ENGINEERIN	6	()	$\langle \mathbf{v} \rangle$	()	
	ii)		· ()	()	()	
	iii)		()	- ()	()	

55. What do you think are the factors that enhance Farmers' Participation in IA's Activities:

 $(\sqrt{)}$ Poor economic status

() Sense of belongingness

 $(\sqrt{}$ Encouragement and support from government agencies

() Encouragement and support from private volunteers/groups

- () Others (specify):
 - i) ENHANCED SOCIAL STATUS
 - ii)
 - iii)

6. ENVIRONMENTAL ISSUES

61. River Water Quality (not limited to one):

() Not polluted

() Polluted by swamp water

() Polluted by factory effluent

() Polluted by mine effluent

() Polluted by others: (specify

62. Deforestation in the Catchment Area

() Serious

() Fair

() Little

63. Soil Erosion in the Catchment Area:

() Serious

(🗸) Fair

() Little

64. Sedimentation in Intake and Canals:

() Serious

Page No 16 of 17

- (v) Fair
- () Little
- 65. Quarrying in the river near the intake
 - () Serious
 - (v) Fair
 - () Little
- 66. Existence of Schistosomiasis in the Area:
 - () Schistosomiasis are found in the area.
 - (\checkmark) No schistosomiasis are found in the area.
- 67. Probable Environmental Impacts Induced by Project (not limited to one):
 - (1) Contamination of surface water and soil due to use of fertilizer and insecticide
 - () Spread of water-borne disease
 - (\checkmark) Change in river bed condition
 - () Reduction in river fishery
 - () Effect of diversion weir in interfering with migratory species
 - () Acceleration of agro-industry
 - () Increase in employment opportunities
 - $(\sqrt{)}$ Support to agrarian reform
 - () Others (specify):
 - i)_____ ii)_____ jii)

7. PROJECT ECONOMY AT THE TIME OF FEASIBILITY STUDY

(If detailed information is not available, please answer just total chargeable cost and total non-chargeable cost only.)

71.	Proj	ect Cost (a + b)		P 2289000
	a.	Direct cost (Chargeable costs) = i)++ ix):		₽ 1639000
		i) Diversion weir including afflux dike:	· .	₽ 360 000
-		ii) Intake:		₽ 198 000
		iii) Main canals/laterals/sub-laterals with structures:		₽ 133 000
		iv) Farm ditches with structures:		₽ 324 000
·		v) Project drains/farm drains with structures:		p 164000
		vi) Drainage ditches with structures:	1	₽ 227 000
		vii) Service roads:		₽ 150000
		viii) Land reclamations (if any):		₽ <u></u> 0

B1 - 22

Scheme No.:_____ Page

		Scueme wo.:
		Page No 17 of 17
	ix) Project facilities (storage, bu	unk houses, etc.): <u>P 83 000</u>
	b. Indirect cost (Non-chargeable cost	st) = i) + ii) + iii): $P = 650 000$
	i) Access roads to the project si	ite: <u>P 256 000</u>
	ii) Flood protection dikes (if an	y): <u>P</u>
	iii) Overheads (engineering, adm	ninistration and
	contingencies):	₽ <u>39×000</u>
72.	Benefit Build-up Period:	<u>years</u>
73.	Project Life Span:	25 years
74.	Internal Rate of Return at the time of F	5/S: 15.30 % calculated in 1980
		(Year)

Page No 1 of 15

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE MASTER PLAN STUDY

ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT

Questionnaire for Inventory Survey (New Project)

Notes:

- 1. Where the question has parenthesis, write the number or fill the appropriate spaces with " \checkmark ".
- 2. On descriptive questions, answer either by specifying or writing down briefly and clearly.
- 3. For doubtful points, if any, please see the attached answer sample.

Name of Project:	GATTARAN CIP	
Name of Responsible Office:	CAGAYAN PIO	
Filled by:	JUAN DELA CRUZ(PIE)	

<u>I</u> CA GAYAN

GATTARAN

NASIPING

1. GENERAL

11. General

1101 Location

f.

a. Region:

- b. Province:
- c. Municipality:

d. Barangay:

e. Latitude & Longitude at proposed intake site:

Distance from NIA's provincial office:

<u>N.Lat. 18° 04'10"</u> <u>E.Long.¹²/° 40' 05"</u> 22 km

1102 Present Project Stage:

- () No feasibility study or planning has been made.
- (\checkmark) Feasibility study or planning was finished in 19<u>87</u>.

(If F/S was completed, please answer Question 7)

(ν) Design was finished in 19<u>88</u> (Ready for construction)

Proposed Net Irrigable Area (use methodology developed by NIA in 1103 determining net area at F/S level)

a. In the wet season:

120 ha

Scheme No.:_____ Page No 2 of 15

Was Irrigation Association (IA) Organized?: () No: Refer to question.on institutional a (v) Yes: Date organized: <u>AU&UST in</u> (Month) a. Was IA registered?: () No (v) Yes (i) Name of IA : (ii) Date registered: (iii) Nos. of members: (iv) Endorsement of project by members: (v) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (v) No () Yes: Name of the Proposed National Info NEERING ography, Land Use & Soils Topography:	d National Irri	<u>e AN JA</u> in 1986 (Year) 100 gation Project?:
 (√) Yes: Date organized: <u>AU&UST in</u> (Month) a. Was IA registered?: () No (/) Yes (i) Name of IA : (ii) Date registered: (iii) Nos. of members: (iv) Endorsement of project by members: (√) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (/) No () Yes: Name of the Proposed National Information (Information (Informat	<u>GATTA</u> (Year) <u>JULΥ</u> (Month)	<u>e AN JA</u> in 1986 (Year) 100 gation Project?:
 (√) Yes: Date organized: <u>AU&UST in</u> (Month) a. Was IA registered?: () No (/) Yes (i) Name of IA : (ii) Date registered: (iii) Nos. of members: (iv) Endorsement of project by members: (√) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (/) No () Yes: Name of the Proposed National Information (Information (Informat	<u>GATTA</u> (Year) <u>JULΥ</u> (Month)	<u>e AN JA</u> in 1986 (Year) 100 gation Project?:
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 a. Was IA registered?: () No (v) Yes (i) Name of IA : (ii) Date registered: (iii) Nos. of members: (iv) Endorsement of project by members: (v) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (v) No () Yes: Name of the Proposed National Information (Information (Inform (Information (Information (Information (Information	שערץ (Month) (Month) d National Irri	in 1986 (Year)
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 (v) Yes (i) Name of IA : (ii) Date registered: (iii) Nos. of members: (iv) Endorsement of project by members: (v) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (v) No () Yes: Name of the Proposed National Information (NEERING 	שערץ (Month) (Month) d National Irri	in 1986 (Year)
 (i) Name of IA : (ii) Date registered: (iii) Nos. of members: (iv) Endorsement of project by members: (iv) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (v') No () Yes: Name of the Proposed National Information (I) Solution (I) Solutio	שערץ (Month) (Month) d National Irri	in 1986 (Year)
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 (iv) Endorsement of project by members: (*) 80 to 100% () 60 to 80% () below 60% Will the Project be Covered by the Proposed (v) No () Yes: Name of the Proposed National In 	d National Irri	gation Project?:
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 () below 60% Will the Project be Covered by the Proposed (v) No () Yes: Name of the Proposed National Info NEERING ography, Land Use & Soils 		- -
Will the Project be Covered by the Proposed (1/) No () Yes: Name of the Proposed National In NEERING ography, Land Use & Soils		- -
 (1) No (1) Yes: Name of the Proposed National In NEERING ography, Land Use & Soils 		- -
() Yes: Name of the Proposed National Iri NEERING ography, Land Use & Soils	rigation Projex	zt:
NEERING ography, Land Use & Soils	ngauon riojo	-L.
ography, Land Use & Soils	· · · ·	
ography, Land Use & Soils		
ography, Land Use & Soils		
Topography:		
and the second		
() Alluvial Plain		·
(\checkmark) Flat area in valley		
() Terrace		
() Hilly		
Present Land Use		
a. Paddy field		
i) Irrigated:		0
ii) Rainfed:		100
b. Diversified crop field:		60
c. Forests:		0
		0 1
and the second		20
		0
r. owampy mus.		<u> </u>
	 Present Land Use a. Paddy field i) Irrigated: ii) Rainfed: b. Diversified crop field: 	 Present Land Use a. Paddy field i) Irrigated: ii) Rainfed: b. Diversified crop field: c. Forests: d. Bush: e. Grass land:

Scheme No.: Page No 3 O£ 15 0 g. Others: ha 2103 Proposed Land Use 120 a. Irrigated paddy field: ha 35 ha Irrigated diversified crop field: b. 0 ha Forests: c. 0 ha Bush: d. 0 ha Grass land: e. D ha Swamp land: f. 0 ha Others: g. 2104 Soil Condition: () Heavy clay () Silty Clay/Light Clay/Sandy Clay (1) Silty Clay Loam/Clay Loam/Sandy Clay Loam () Silty Loam/Loam/Sandy Loam/Loamy Sand () Sand Land Classification for Rice: 2105 80 a. Class 1R ha 80 ha b. Class 2R c. Class 3R 0 ha 2106 Land Classification for Diversified Crops: 65 a. Class 1 ha 55 b. Class 2 ha 0 ha c. Class 3 2107 Was 1:4000 Topographic Map for the Project Already Prepared?: (V) Yes () No 22. Water Source 2201 Name of River: RIJER NASIPING Main source: a. Supplementary source (if any): b. Necessity of Storage Dam and Pumps 2202 a. Does the Project include construction of storage dam in the upstream of intake in F/S and design?: () Yes (1) No b. Does the Project include provision of pumps to take water from the river as an intake structure in F/S and design?: () Yes

Page No 4 of 15

	() No
2203	Is There Gauging Station in the River (Main source)?:
6205	() No
	(\mathbf{v}) Yes:
	(i) Name of station: NASINING RIVER $GS(55 \text{ kM}^2)$
	(ii) Location of station:
	(ii) Location of station. () km upstream of intake
	() <u>km</u> downstream of intake
	(\checkmark) Near the intake
	(iii) Observation period: <u>/> years</u> from <u>1960</u> to <u>1972</u>
	(Year) (Year)
2204	River Discharge in Dry Season
2204	a. Average low flow
	(i) Main source: <u>650 lit/sec</u>
	(ii) Supplementary source: <u>NA lit/sec</u>
	b. Is the above discharge guessed or measured ?:
	() Guessed
· · ·	(v) Measured
	c. Does Present River Discharge Seem to be Sufficient
	for the Project ?:
	(V) Yes
	() No
2205	Catchment Area at Intake Site:
2206	River Bed Elevation at Intake Site: EL 35.50 m
2207	Is There Rainfall Station in and near the Area ?:
220,	() No
	() Yes:
· .	(i) Name of station: <u>NASIPING</u> RS
	(ii) Location of station: <u>10 km SOUTH</u> of the area
	(iii) Observation period: <u>وه years</u> from <u>1960</u> to <u>1990</u>
-	(Year) (Year)
2208	Rainfall (use secondary PAGASA data)
	a. Average annual rainfall: 2200 mm
	b. Adequacy of rainfall for wet seasoon crop:
•	() Less than 80 %
	(1) 80 to 100 %
	() 100 %
	B1 - 27
	D1-21

Page No 5 of 15

23. Irrigation & Drainage Plan

- 2301 Proposed Diversion Water Requirement at Intake (net farm water requirement x irrigation area / overall irrigation efficiency):
- 2302 Proposed Farm Water Requirement (land soaking + ET + percolation effective rainfall):
- 2303 Purpose of Water Taken from Intake (not limited to one):
 - (1) Irrigation
 - () Drinking water
 - () Inland fishery
 - () Cattle raising
 - () Mini-hydropower
 - () Others: (specify
- 2304 Drainage Water Requirement:
- 24. Proposed Irrigation Facilities
 - 2401 Proposed Intake Structure
 - a. Approximate river width at intake:
 - b. Will intake be accompanied with diversion weir?
 - (.) No
 - (\checkmark) Yes: (i) Material of weir:
 - () Wood
 - () Earth
 - () Masonry
 - () Concrete
 - (ii) Height of weir:
 - (iii) Length of weir:
 - (iv) Crest elevation :

:		
	1.20	m
	15	m
EI	36.7	<u>//</u>

7.50 lit/sec/ha

15

m

2402 Proposed Irrigation Canals & Structures

a. Will irrigation canal have dual purpose of irrigation and drainage ?:

- () Yes
- No No
- b. Length of proposed earth canals
 - i) Main canals:
 - ii) Lateral canals:
 - iii) Sub lateral canals:
 - iv) Farm ditches
- c. Length of proposed lined canals

1.20	km
1.85	km
0.70	km
40.10	km

Scheme	No	٠	1
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			Page No 6 of 15
		i) Main canals:	0.30 km
	1.	ii) Lateral canals:	1.15 km
÷	·	iii) Sub lateral canals:	<u> </u>
	2403 Tota	l Numbers of Proposed Irrigation Canals Structure	S
	Inch	iding <u> / </u>	56 nos
25.	Proposed Dr	ainage Facilities	
	2501 Leng	th of Proposed Drainage Canals	
		i) Project canals:	<u>/.30 km</u>
		ii) Farm canals:	1.55 km
		iii) Drainage ditches:	21.00 km
	2502 Tota	Numbers of Proposed Drainage Canal Structures:	<u>25 nos</u>
26	Present Drai	nage and Flood Condition	
	2601 Area	s Affected by Floods:	
	a.	() No floods	ha
	b.	(1) Annual floods:	<u>120 ha</u>
	с.	() Floods in every several years:	ha
	2602 Is the	Project Area Damaged by Floods?	
	()	No	
	()	Yes: What are damaged by floods? (not lim	ited to one)
		() Human lives:	
		() Crops:	
		() Houses and structures:	
		() Others: (specify) :
	2603 Are I	Measures for Drainage Improvement and	
	Floo	1 Mitigation Included in the Project ?:	
. *	() N	o	•
÷	() Y	es (i) What measures are included in the Project	ct
		and how much is estimated costs as of 1	990 ?:
	•	a. () Construction of drainage canals &	
÷ .		structures:	<u>₽</u>
		b. (v) Construction of dikes:	₽ 830000
		c. () Construction of control structures:	<u>p</u>
		d. () Construction of drainage pump hot	use: P
27.	Proposed Se	rvice/Access Roads	:
· · · .	a. :	Service roads	
14.	j) Length:	1.50 km
	1917 - 191 3	i) Width:	<u>J.00 m</u>
• •.	b.	Access roads	
·	ی به ۱۹۰۱ - ۲۰۰۱ ۱۹۰۱ - ۲۰۰۱ - ۲۰۰۱	B1 - 29	

			Page	No 7 of 15
		· · · ·		2.50 km
		i) Length:		the second s
		ii) Width:		<u> %.00 m</u>
28.	Land I	Reclamation Area:	· ·	<u>ha</u>
29.	Ргоро	sed Construction Costs		
	2901	Diversion Weir including Afflux Dike:		P 360000
	2902	Intake:		₽ 198000
	2903	Irrigation Canals with Structures:	· .	P 457000
	2904	Drainage Canals with Structures:		₽ 391 000
	2905	Service Roads with Structures:		P 150000
	2906	Access Roads with Structures:		₽ 256000
- 1	2907	Flood Protection Dike		₽ 121000
:	2908	Land Reclamation:		<u>p</u> 0
291.	. Propo	sed O/M Fee per ha per Crop:		
		a. Wet season paddy:		P 175 /ha
		b. Dry season paddy:		₽ 125 /ha
		c. Major diversified crops:		
÷		i) <u>LORN</u> :		₽ 150 /ha
		ii):		₽/ha
		iii):		₽/ha

3. AGRICULTURE AND AGRO-ECONOMY

	· · · · ·		· · ·
	PBMI	E results, DA/BAS and others.)	
31.	Socio	-Economic Background	
	3101	Population in the Proposed Project Area in 1989:	672 persons
	3102	Nos. of Households in the Project Area in 1989	
		a. Farming household:	<u>90 nos</u>
		b. Non-farming household:	<u>22 nos</u>
	3103	Nos. of Potential Farmer Beneficiaries in 1989	
		a. Inside the project area:	<u>90 nos</u>
		b. Outside the project area:	<u>/0 nos</u>
	3104	Land Holding Distribution of Farmer Beneficiaries	
		a. More than 3 ha:	<u>2 nos</u>
		b. 2.5 to 3 ha:	ري nos
		c. 2 to 2.5 ha:	<u>5 nos</u>
		d. 1.5 to 2 ha:	15 nos
· . ·	-	e. 1 to 1.5 ha:	SO nos

(If primary data can not be generated, use secondary data from latest census, SN,

Page No 8 of 15

		f. 0.5 to 1 ha:	<u>20 nos</u>
		g. Less than 0.5 ha:	<u>5 nos</u>
	3105	Average Farm Size of Beneficiaries:	1.20 ha
	3106	Tenurial Status	in total
		a. Full owner:	10 nos & 12 hav
		b. Part owner:	15 nos & 18ha "
		c. Amortizing owner (under CARP):	<u>60 nos</u> & 72hq, .
		d. Share Tenant:	<u>3 nos</u> & 4 hq '
		e. Lessees:	12 nos & 14 ha
	3107	Progress of Agrarian Reform in the Area as of July, 1990:	
		() 100% of the total area	
	÷	() 75 to 100 % of the total area	
		$(\sqrt{50}$ to 75 % of the total area	
		() 25 to 50 % of the total area	
		() Less than 25% of the total area	
	3108	Area Eligible for Distribution under CARP:	<u>27 ha</u>
•	3109	Status of Issuance of Emancipation Patents:	60 %
32.	Cultiv	ation Area	
	3201	Present Cultivation Area in 1989:	
		a. Wet season paddy:	100 ha
		b. Dry season paddy:	<u>0 ha</u>
		c. Major diversified crops, if any:	
		i) <u>CORN</u> :	60 ha
		ii);	ha
		iii):	ha
		d. Cropping intensity:	133 %
		(Area planted during dry and wet season / Area planted during dry and wet seas	uring wet
		season x 100)	
	3202	Proposed Cultivation Area:	
		a. Wet season paddy:	120 ha
		b. Dry season paddy:	85 ha
		c. Major diversified crops, if any:	
		i) <u>CORN</u> :	35 ha
	· .	ii):	ha
		iii) <u> </u>	ha
	. :	d. Cropping intensity:	200 %
	•	(Area planted during dry and wet season / Area planted d	
			<i>u</i>

season x 100)

.

	3203	Can present paddy field be used for diversified crop cultivation	
		without special works?:	
		(1/) Yes: 20 ha	
	3204	Can present diversified crop field be used for paddy crop cultivation	
. 4		without special works?:	
		() No	
· :		(V) Yes: $\frac{120}{ha}$	
33.		ng Calendar	
	3301	Present Cropping Pattern in 1989	
		a. Wet season paddy: from MAY to SEPTEMBER	
		(Month) (Month)	
		b. Dry season paddy: from <u>NA</u> to <u>NA</u>	
		(Month) (Month)	
		c. Major diversified crops, if any:	
		i) <u>LORN</u> : from NOVEMBER to FEDRUARY	
	. ,	(Month) (Month)	
		ii): from to	
		(Month) (Month)	
		iii): from to	
		(Month) (Month)	
	3302	Proposed Cropping Pattern	
		a. Wet season paddy: from MAY to SEPTEMBER	
		(Month) (Month)	
		b. Dry season paddy: from NOVENOVER to MARCEN	
		(Month) (Month)	
		c. Major diversified crops, if any:	
		i) <u>CORN</u> : from NOVFMERK to FEBRUARY	
		(Month) (Month)	
		ii): from to	
		(Month) (Month)	
		iii): from to	
		(Month) (Month)	
34.	Crop I	roduction	
	3401	Present Average Crop Yield in 1989	
		a. Wet season paddy: 2.50 ton per ha	
		b. Dry season paddy: <u>NA</u> ton per ha	
		c. Major diversified crops, if any:	
		B1 - 32	

Page No 10 of 15

		i) <u>CCRN</u> :		1.50 to	m per ha
		ii):		to	on per ha
		iii):	. 	to	n per ha
	3402	Anticipated Average Crop Yield			
		a. Wet season paddy:		%.00 to	<u>m per ha</u>
		b. Dry season paddy:		¥.25 to	n per ha
		c. Major diversified crops, if any:			
		i) <u>corn</u> :	· Vicini,	3.00 to	<u>n per ha</u>
		ii):	turne.	to	n per ha
		iii):		to	n per ha
	3403	Present Total Crop Production in 1989 (average yield	per l	na x area pla	inted)
		a. Wet season paddy:		250	ton
		b. Dry season paddy:		NA	ton
		c. Major diversified crops, if any:			
		i) <u>corn</u> :	Tarihi man	90	ton
		ii):			ton
		iii):			ton
	3404	Anticipated Total Crop Production (average yield per	ha x :	area planted	l)
		a. Wet season paddy:		480	ton
		b. Dry season paddy:		361	ton
	•	c. Major diversified crops, if any:		•	
		i) <u>coen</u> :	·	105	ton
		ii):	<u> </u>		ton
· ·		iii):			ton
35.	Farm 1	Budget			
	3501	Average Farm Gate Price of Crops in 1989		: 	
		a. Wet season paddy:	₽	5.00	per kg
	 	b. Dry season paddy:	₽_	5.00	per kg
		c. Major diversified crops, if any:	•		
		i) <u>corn</u> :	₽	2.00	per kg
		ii):	₽		per kg
		iii):	₽	·	per kg
	3502	Present Average Production Cost (1989)			-
		a. Wet season paddy	₽_	8000	per ha
	. • • •	b. Dry season paddy	₽	NA	per ha
		c. Major diversified crops, if any:			
		i) <u>corn</u>	₽	2500	per ha
		ii)	₽		per ha
		· · · · · · · · · · · · · · · · · · ·			

B1 - 33

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			-		I	,såe	No	11 0	£ 15
	iii)					₽		. T	oer ha
350.		Crop Prod	uction Cost			<u></u>		***	<u></u>
	-		on of Works)		·				
		eason pade	÷			₽ /	200	ο τ	er ha
		eason pade	•			and the second	3000		er ha
	· ·	-	-, d crops, if any	v:				Planet names	
	i)		N	• •	2	₽.,	5 000	<u>ہ</u>	<u>ær ha</u>
	ii)		· ·		•	₽		-	<u>er ha</u>
: :	iii)				•	-₽		-	er ha
3504	4 Annual Ric	ce Farm Fa	amily Net Inco	ome for	.20 ha	Farm:			
		. "	Irrigated	· :		Rainfed		·	
	Present:	₽	0	· · · ·	₽	5 4 00	>		
· · · ·	With Proje	ct: <u>₽</u>	16762		₽	0	: 		
				· · ·	2				
			· · · ·				-		
4. AGE	RICULTURA	L SUPPOI	RT SERVICE	3					
41. Rice	Mill Facilities	:	•	· · · ·					
Ch 1	والمتشكر والأراف المراجع		in		1996 To 1997	t i generatione		20	km
	Available and s	sumcient;	Distance to pro	oject site:					
	1. A.		t; Distance to pro	· · ·		• • •			<u>km</u>
() A	1. A.			· · ·		• • •	<u></u>		
A() A()	vailable and i	nsufficient		· · ·		• 11 ¹ • •			
() A () N 42. Stora (v) A	Available and i Not available age/Drying Fac Available and s	nsufficient cilities: sufficient;I	t; Distance to p Distance to pro	project site: pject site:		•		20	
() A () N 42. Stora (V) A	Available and i Not available age/Drying Fac Available and s	nsufficient cilities: sufficient;I	t; Distance to p	project site: pject site:		• • • • • • •			<u>km</u>
() A () N 42. Stora (⁄) A () A	Available and i Not available age/Drying Fac Available and s	nsufficient cilities: sufficient;I	t; Distance to p Distance to pro	project site: pject site:					km km
() A () N 42. Stora (√) A () A () N	Vailable and i Not available age/Drying Fac Vailable and s Vailable and i	nsufficient cilities: sufficient;I	t; Distance to p Distance to pro	project site: pject site:					km km
() A () N 42. Stora (V) A () A () N	Available and i Not available age/Drying Fac Available and s Available and i Not available lit Service: Available	nsufficient cilities: sufficient;I nsufficient	t; Distance to pro Distance to pro t;Distance to p	project site: oject site: project site:					km km km
() A () N 42. Stora (√) A () A () N 43. Cred	Available and i Not available age/Drying Fac Available and s Available and i Not available lit Service: Available (v) Forma	nsufficient cilities: sufficient;I nsufficient	t; Distance to pro Distance to pro t;Distance to p &PNB);Distar	project site: oject site: project site: nce to proje					km km km
() A () N 42. Stora (√) A () A () N 43. Cred	Available and i Not available age/Drying Fac Available and s Available and i Not available lit Service: Available (1) Forma () Inform	nsufficient cilities: sufficient;I nsufficient dl (LB,RB& nal;Distanc	t; Distance to pro Distance to pro t;Distance to p	project site: oject site: project site: nce to proje					km km km
() A () N 42. Stora (/) A () A () N 43. Cred (/)	Available and i Not available age/Drying Fac Available and s Available and i Not available lit Service: Available (1) Forma () Inform Not available	nsufficient cilities: sufficient;I nsufficient nl (LB,RBA nal;Distanc	t; Distance to pro Distance to pro t;Distance to p &PNB);Distar	project site: oject site: project site: nce to proje					km km km
() A () N 42. Stora (/) A () A () N 43. Cred (/) 44. Farm	Available and i Not available age/Drying Fac Available and i Not available lit Service: Available (1/) Forma () Inform Not available	nsufficient cilities: sufficient;I nsufficient dl (LB,RB& nal;Distanc ble e	t; Distance to pro Distance to pro t;Distance to p &PNB);Distance to p ce to project sit	project site: oject site: oroject site: nce to proje te:	ct site:			20	km km km km
() A () N 42. Stora (/) A () A () N 43. Cred (/) 44. Farm	Available and i Not available age/Drying Fac Available and s Available and i Not available lit Service: Available (1) Forma () Inform Not available	nsufficient cilities: sufficient;I nsufficient nsufficient al (LB,RB nal;Distanc ole e (v) Availa	t; Distance to pro Distance to pro t;Distance to p &PNB);Distan ce to project sin able;Distance t	project site: oject site: oroject site: nce to proje te:	ct site:				km km km
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() A () N 42. Stora (v) A () A () A () N 43. Cred (v) 44. Farm a.	Available and i Not available age/Drying Fac Available and i Not available lit Service: Available (1/) Forma () Inform Not available	nsufficient cilities: sufficient;I nsufficient dl (LB,RB hal;Distanc ble e (\checkmark) Availa (\checkmark) Not av (\checkmark) Availa	t; Distance to pro Distance to pro t;Distance to p &PNB);Distance to project sin able;Distance t vailable: able;Distance t	project site: oject site: oroject site: nce to proje te: to project si	xct site: te:			20	km km km km
() A () N 42. Stora (/) A () A () N 43. Cred (/) 44. Farm a. b.	Available and i Not available age/Drying Fac Available and s Available and i Not available (1/) Forma (1) Inform Not available Seed: Fertilizer:	nsufficient cilities: sufficient;I nsufficient il (LB,RB nal;Distanc ole e (v) Availa () Not av (v) Availa () Not av	t; Distance to pro Distance to pro t;Distance to p &PNB);Distan ce to project sit able;Distance t vailable: able;Distance t vailable:	project site: oject site: oroject site: nce to proje te: to project si to project si	ct site: te:			20 17 7	km km km km km
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Page No

12 of

15

() Not available:

- 5 INSTITUTIONAL ASPECTS
- 51. Type of Barangay Association in the Project Site (not limited to one):
 - () Irrigators'Association
 - () Credit/marketing cooperative
 - () General purpose cooperatiive
 - () Civic/religious organization
 - () Others (specify)
- 52. Presence of Potential IA's officials:
 - () More than adequate
 - () Adequate
 - () Inadequate
- 53. Presence of Potential IA's Members:
 - () More than 80 %
 - () 60% to 80%
 - () Below 60%
- 54. Types of Training Related to Irrigation Development Undertaken in the Project Site :
 - () System management and operation
 - () Organizational management
 - () Accounting procedures and financial management
 - (1) Others (specify FARM PRODUCTION
- 55. Perceived Training Needs of Potential Farmer Beneficiaries :
 - (ν) System management and operation
 - (v) Organizational management
 - (ν) Accounting procedures and financial management
 - () Others (specify
- 56. Accessibility to Service of Technicians:
 - a. Numbers of technicians assigned to the project area by type:
 - i) Irrigation technician: / nos.ii) Irrigation community organizer: / nos.iii) Others(specify): 1. <u>FARM TECHNICIAN</u>: / nos.2. <u>AGRARIAN REFORM TECHNICIAN</u>: / nos.3. ______: nos.
 - b.

Are they sufficient to service the need of the project area?:

	$\langle \rangle$	Yes	
	·(_)) No	
	• •	If no, how many more are needed?:	nos.
	i)	Irrigation technician:	nos.
	ii)	Irrigation community organizer:	nos.
	iii)	Others(specify):	
		1	<u>nos,</u>
		2i	<u>nos.</u>
		3:	nos.
57.	Wł	hat do you think are the factors that enhance farmers' participation in IA	?:
	(V)	Poor economic condition	
	()	Sence of belongingness	
	(<i>v</i>)	Encouragement and support from government agencies	
	()	Encouragement and support from private volunteers groups	
	(`)) Others (specify):	
		i)	
		ii)	
		iii)	
6.	ENVIR	ONMENTAL ISSUES	
61.		Vater Quality (not limited to one):	
	((v) Not polluted	
	(() Polluted by swamp water	
	(() Polluted by factory effluent	
	(() Polluted by mine effluent	
	. (() Polluted by others: (specify))	
62.	Deforest	tation in the Catchment Area	
	(() Serious	
	· · · · ((v) Fair	
	· · · (() Little	
63.	Soil Ero	osion in the Catchment Area:	
	· · · · (() Serious	
		(v) Fair	
. :	(() Little	
64.	Sedimer	ntation in Intake and Canals:	
	· · · · · · · · · · · · · · · · · · ·	() Serious	
e de	· · · · ·	(1) Fair	

() Little

- 65. Quarrying in the river near the intake
 - () Serious
 - (Fair
 - (·) Little

66. Existence of Schistosomiasis in the Area:

() Schistosomiasis are found in the area.

 (\checkmark) No schistosomiasis are found in the area.

- 67. Probable Environmental Impacts Induced by Project (not limited to one):
 - (1) Contamination of surface water and soil due to use of fertilizer and insecticide
 - () Spread of water-borne disease
 - (\checkmark) Change in river bed condition
 - () Reduction in river fishery
 - (\checkmark) Effect of diversion weir in interfering with migratory species
 - (v) Acceleration of agro-industry
 - (\checkmark) Increase in employment opportunities
 - (ν) Support to agrarian reform
 - () Others (specify):

i)	-
ii)	_
iii)	_

7. PROJECT ECONOMY AT THE TIME OF FEASIBILITY STUDY (If F/S has not been made yet, no need to answer the following question.)

71.	Pro	oject C	p 2410000	
	a.	Dire	ct cost (Chargeable costs) = i)++ix):	P 1639000
		i)	Diversion weir including afflux dike:	P 360000
		ii)	Intake:	₽ 198 000
		iii)	Main canals/laterals/sub-laterals with structures:	000 fc/ 4
		iv)	Farm ditches with structures:	P 324 000
		v)	Project drains/farm drains with structures:	p 164 000
		vi)	Drainage ditches with structures:	p 227000
		vii)	Service roads:	P 150 000
		viii)	Land reclamations (if any):	₽ o
	÷.,	ix)	Project facilities (storage, bunk houses, etc.):	p 83 000

B1 - 37

		Page No 15 of 15
	b. Indirect cost (Non-chargeable cost) = i)+ ii)+ iii):	P 77/000
	i) Access roads to the project site:	P 256000
	ii) Flood protection dikes (if any):	P 121000
	iii) Overheads (engineering, administration and	
	contingencies):	P 39×000
2.	Benefit Build-up Period:	<u>ې vears</u>
3.	Project Life Span:	25 years
74.	Internal Rate of Return:	15. 30 % calculated in 1987
	(Calculated at the time of F/S)	(Year)

ha

<u>ha</u>

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE MASTER PLAN STUDY

ON

THE SMALL-SCALE IRRIGATION DEVELOPMENT PROJECT

Questionnaire for Inventory Survey (Expansion Program of Existing Project)

Notes:

1. Where the question has parenthesis, write the number or fill the appropriate spaces with " ./".

2. On descriptive questions, answer either by specifying or writing down briefly and clearly.

3. For doubtful points, if any, please see the attached answer sample.

Name of Project:	
Name of Responsible Office:	
Filled by:	

1. GENERAL

11. General

1101 Proposed Expansion Area (use methodology developed by NIA in determining net area at F/S level)

a. In the wet season:

b. In the dry season:

1102 Present Stage of expansion program:

() No feasibility study or planning has been made.

() Feasibility study or planning was finished in 19____,

(If F/S was completed, please answer Question 4)

() Design was finished in 19_____ (Ready for construction)

1103 Is Irrigation Association (IA) Organized for the Expansion Area?:

() Not Yet

() Yes: Date organized: _____ in 19

(Month) (Year)

a. Is the IA incorporated into the existing one?:

() No

() Yes

			scheme 1	Page 1	NO 2 of
		(i)	Name of IA :		
		(ii)	Date of incorporation:	in 19)
				(Month)	(Year
		(iii)	Nos. of new members:		
	-	- - -			
	ENGI	NEERING ASPEC	T OF EXPANSION PROC	GRAM	
•	Land	Use and Soils of the	Expansion Area		
	2101	Present Land Use			
		a. Paddy field		••••	
		i) Irrigated:	en e	· <u>-</u>	
		ii) Rainfed:			-
		b. Diversified cr	op field:		
		c. Forests:	· · · ·		
		d. Bush:		· · ·	
		e. Grass land:		· · · · · · · · · · · · · · · · · · ·	
۰.		f. Swampy land	•	-	
		g. Others:			
2	2102	Proposed Land Us	se		114 - 1 1 - 1
	•	a. Irrigated padd	ly field:		
		b. Irrigated diver	rsified crop field:		
		c. Forests:			· · ·
		d. Bush:		:	
		e. Grass land:		. · · ·	
		f. Swamp land:			<u> </u>
		g. Others:		· · · · ·	
â	2103	Soil Condition:	an a	:	
		() Heavy clay			
		() Silty Clay/Lig	ht Clay/Sandy Clay		· .
		() Silty Clay Loa	m/Clay Loam/Sandy Clay	Loam	
		() Silty Loam/Lo	am/Sandy Loam/Loamy S	and	
		() Sand			
4	2104	Was 1:4000 Topog	graphic Map for the Project	Already Prepared?	a #
		() Yes			
		() No			11 - 11 - 11 - 11 - 11 - 11 - 11 - 11

2201 Water Source for the Expansion Area

() Same as that for the existing area: answer the question No.23 $\,$

a serie

	н -	() Different water source: answer the following question	ns No. 220	2 to 2207
	2202	Name of River:		
ι.		a. Main source:		
		b. Supplementary source (if any):		
	2203	Necessity of Storage Dam and Pumps		
		a. Does the Project include construction of storage dam i	n	
		the upstream of intake in F/S and design?:		
		() Yes		
		() No		
		b. Does the Project include provision of pumps to take w	ater from	the river
		as an intake structure in F/S and design?:	÷	
		() Yes		
•		() No		
	2204	Is There Gauging Station in the River (Main source)?:		
		() No		
		() Yes:	·	
		(i) Name of station:		<u></u>
		(ii) Location of station:		
		() <u>km</u> upstream of intake		
		() <u>km</u> downstream of intake		
		()Near the intake		•
		(iii) Observation period: <u>years</u> fro	m <u>19</u> to	<u>19</u>
			(Year)	(Year)
	2205	River Discharge in Dry Season		
		a. Average low flow		
:		(i) Main source:		lit/sec
		(ii) Supplementary source:	·	lit/sec
	e de la ser	b. Is the above discharge guessed or measured ?:		
		() Guessed		
		() Measured		
		c. Does Present River Discharge Seem to be Sufficient		
		for the Project ?:		
•	÷	() Yes		
		() No		
	2206	Catchment Area at Intake Site:		<u>km2</u>
23.		ion & Drainage Plan		
	2301	Additonal Diversion Water Requirement at Intake for the l	Expansion	area
· .	· · ·	(net farm water requirement x expansion area /		

. -

		Scheme No.:
		Page No 4 of 8
		overall irrigation efficiency):
	2302	Proposed Farm Water Requirement
		(land soaking + ET + percolation - effective rainfall): lit/sec/ha
	2303	Purpose of Water Taken from Intake (not limited to one):
		() Irrigation
		() Drinking water
		() Inland fishery
		() Cattle raising
		() Mini-hydropower
	: ·	() Others:(specify)
	2304	Drainage Water Requirement:lit/sec/ha
24.	Propo	sed Irrigation Facilities for the Expansion area
	2401	Proposed Intake Structure
		(If the intake structure is not additionally required for the expansion area,
		no need to answer the following questions)
		a. Approximate river width at intake:m
		b. Will the intake be accompanied with the diversion weir?
		() No
		() Yes: (i) Material of weir:
		() Wood
		() Earth
		() Masonry
	4 - A	() Concrete
		(ii) Height of weir:m
		(iii) Length of weir:m
		(iv) Crest elevation : <u>El m</u>
	2402	Proposed Irrigation Canals & Structures
		a. Will the irrigation canals have dual purpose of irrigation and drainage ?:
		() Yes
		() No
		b. Length of proposed earth canals
		i) Main canals:km
		ii) Lateral canals:km
		iii) Sub lateral canals:km
		iv) Farm ditcheskm
	·	c. Length of proposed lined canals
	:	i) Main canals:km
		ii) Lateral canals: km

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B1 - 42

				· .	Sche	Me NO.I	Page	No	5	o£	8
		iii) Sub lateral	canals:						k	<u>cm</u>
	2403	Total I	Numbers of P	roposed Ir	rigation (Canals Structur	es				
1. 1		Includ	ing <u>r</u>	<u>nos</u> of Tur	nouts:					<u>n</u>	<u>OŞ</u>
25.	Propos	sed Drai	nage Facilitie	S .							
	2501	Length	of Proposed	Drainage	Canals						
		i)	Project can	als:		: :				ļ	cm
	1	ii)	Farm canal	S:					•	1	cm
		iii) Drainage d	itches:						ļ	ś
	2502	Total I	Numbers of Pr	roposed D	rainage (Canal Structure	s:_			<u>n</u>	<u>0\$</u>
26.	Propos	sed Serv	vice/Access R	oads		· · · · ·					
		a. Se	ervice roads			н. Н					
		i)	Length:		-	. [.]				1	<u>cm</u>
		ii)	Width:								m
		b. A	ccess roads								
		i)	Length:	•						ŀ	<u>cm</u>
		ii)	Width:			· .					m
27.	Land I	Reclama	tion Area:								ha

3.	AGRI	CUI	LTURE AND AGRO-ECO	NOMY OF THE EXPANSION	AREA
	(If pri	mar	y data can not be generated	i, use secondary data from latest	census, SN,
	PBMF	Eres	ults, DA/BAS and others.)	le la companya de la	
31.	Socio-	Eco	nomic Background in the I	Exapansion Area	
	3101	No	s. of Potential Farmer Ben	eficiaries in 1989	
		a.	Inside the project area:		nos
		b.	Outside the project area:		nos
	3102	La	nd Holding Distribution of	Farmer Beneficiaries	
	· · · ·	a.	More than 3 ha:		nos
		b.	2.5 to 3 ha:		<u>nos</u>
		c.	2 to 2.5 ha:		nos
		d.	1.5 to 2 ha:		nos
		e.	1 to 1.5 ha:		nos
		f.	0.5 to 1 ha:		nos
		g.	Less than 0.5 ha:		nos
	3103	Av	erage Farm Size of Benefic	ciaries:	ha ha
. •	3104	Te	nurial Status		
		a.	Full owner:		nos
		b.	Part owner:		nos

Scheme No.:___

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· .		c. Amortizing owner (under CARP):	nos
÷		d. Share Tenant:	nos
		e. Lessees:	nos
	3105	Progress of Agrarian Reform in the Area as of July, 1990:	· .
		() 100% of the total area	
		() 75 to 100 % of the total area	
ï		() 50 to 75 % of the total area	
		() 25 to 50 % of the total area	
		() Less than 25% of the total area	
	3106	Area Eligible for Distribution under CARP:	ha
	3107	Status of Issuance of Emancipation Patents:	%
32.	Cultiv	vation Area within the Exapansion Area	
· · .	3201	Present Cultivation Area in 1989:	
		a. Wet season paddy:	ha
		b. Dry season paddy:	ha
		c. Major diversified crops, if any:	
		i):	ha
		ii)::	ha
		iii)::	<u>ha</u>
		d. Cropping intensity:	<u>%</u>
	-	(Area planted during dry and wet season / Area planted during	wet
		season x 100)	1999 - C. 1997 -
	3202	Proposed Cultivation Area :	
		a. Wet season paddy:	<u>ha</u>
		b. Dry season paddy:	ha
	•	c. Major diversified crops, if any:	
		i):	ha
		ii):	ha
		iii):	ha
		d. Cropping intensity:	%
		(Area planted during dry and wet season / Area planted during	wet
		season x 100)	
33.	Crop J	Production in the Expansion Area	
	3301	Present Average Crop Yield in 1989	
		a. Wet season paddy:	ton per ha
		b. Dry season paddy:	ton per ha
		c. Major diversified crops, if any:	
		· · · · · · · · · · · · · · · · · · ·	

B1 - 44

7 of 8

Page No

		i)				ton per ha
		ii)	-			ton per ha
		iii)		• •		ton per ha
3302	An	ticipated	I Average Crop	Yield		
	a.	Wet se	eason paddy:			ton per ha
	b.	Dry se	ason paddy:			ton per ha
	c.	Major	diversified cro	ps, if any:	·	
		i)			•	ton per ha
		ii)		•		ton per ha
,	. :	iii)	· · ·			ton per ha
3303	Pre	sent To	tal Crop Produc	ction in 1989	(average yield	per ha x area planted)
	a.	Wet se	eason paddy:			ton
	b.	Dry se	ason paddy:			ton
	c.	Major	diversified cro	ps, if any:		
		i)				ton
		ii)	·			ton
		iii)		•		ton
3304	An	ticipated	l Total Crop Pr	oduction (av	erage yield per	ha x area planted)
	a.	Wet se	eason paddy:			ton
	b.	Dry se	ason paddy:			ton
	c.	Major	diversified cro	ps, if any:		
		i)				ton
		ii)				ton
		iii)		* *		ton

4. PROJECT ECONOMY AT THE TIME OF FEASIBILITY STUDY

(If F/S has not been made yet, no need to answer the following question.)

41.	Pro	oject (₽	
	a.	Dire	ect cost (Chargeable costs) = i)++ ix):	₽ *
		i)	Diversion weir including afflux dike:	₽
		ii)	Intake:	₽
		iii)	Main canals/laterals/sub-laterals with structures:	₽
		iv)	Farm ditches with structures:	<u>₽</u>
		V)	Project drains/farm drains with structures:	<u>₽</u>
		vi)	Drainage ditches with structures:	₽
		vii)	Service roads:	₽

Page No

8 of 8

	v	iii) Land reclamations (if any):	Þ
	iz	x) Project facilities (storage, bunk houses, etc.):	<u>₽</u>
	b. In	ndirect cost (Non-chargeable cost) = i)+ ii)+ iii):	<u>p</u>
	i)	Access roads to the project site:	<u>₽</u>
	ii) Flood protection dikes (if any):	<u>P</u>
	ii	i) Overheads (engineering, administration and	
		contingencies):	₽
42.	Benef	it Build-up Period:	years
43.	Projec	t Life Span:	years
44.	Intern	al Rate of Return:	% calculated in 19
	(Cal	culated at the time of F/S)	(Year)

ANNEX B-2

OVERVIEW OF SURVEY RESULTS

LIST OF TABLES

· ·		Page
Table B2-01	General Features of Existing Sub-Projects	B2-1
Table B2-02	General Features of New Sub-Projects	B2-8
Table B2-03	Number of Candidate Sub-Projects for the Study: CIS/CIP	B2-14
Table B2-04	Classification of Existing Sub-Projects: CIS	B2-15
Table B2-05	Candidate Sub-Projects for Rehabilitation/Improvement and Expansion: CIS	B2-16
Table B2-06	Candidate Sub-Projects for New Construction: CIP	B2-17
Table B2-07	Designed Irrigable Area: CIS/CIP (1)	B2-18
Table B2-08	Designed Irrigable Area: CIS/CIP (2)	B2-19
Table B2-09	Average Farm Size: CIS	B2-20
Table B2-10	Average Farm Size: CIP	B2-21
Table B2-11	Cropping Intensity: CIS	B2-22
Table B2-12	Cropping Intensity: CIP	B2-23
Table B2-13	Organization Status of IAs: CIS	B2-24
Table B2-14	Organization Status of IAs: CIP	B2-25
Table B2-15	Viability of IAs: CIS	B2-26
Table B2-16	Irrigation Development Cost per Ha: CIS (At a 1990 Price Level)	B2-27
Table B2-17	Irrigation Development Cost per Ha: CIP (At a 1990 Price Level)	B2-28
Table B2-18	Economic Internal Rate of Return (EIRR): CIS	B2-29
Table B2-19	Economic Internal Rate of Return (EIRR): CIP	B2-30
Table B2-20	CIS/CIP in CARP Strategic Operation Provinces	B2-31
Table B2-21	Designed Irrigable Area and Actually Irrigated Area: CIS	B2-32

		· .
Table B2-22	Designed Irrigable Area and Estimated Net Irrigable Area: CIP	B2-3
Table B2-23	Ratio of Wet and Dry Irrigated Areas: CIS	B2-34
Table B2-24	Years after Completion of Construction for All CISs	B2-3
Table B2-25	Years from Completion of Construction to Completion of Rehabilitation/Improvement Works for Rehabilitated/ Improved CISs	B2-3
Table B2-26	Years after Completion of Construction for CISs Requiring Rehabilitation/Improvement Works	B2-37
Table B2-27	Facilities Requiring Rehabilitation/Improvement Works: CIS	B2-3

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (1/7) No. of sub-projects : 2,423

No.	Items	Unit	No. of Answers	Total	Average
	Area				
L	Designed irrigable area (wet season)	ha	2,423	351,769	145
2.	Designed irrigable area (dry season)	ha	1,589	213,348	134
3	Actually irrigated area (wet season)	ha	1,670	•	127
1	Actually irrigated area (dry season)	ha	1,205	*	117
	Project History				
5	Duration from F/S to completion of construction	years	563	-	2.8
6	Years after completion of construction	ycars	1,220	-	10
	Population & Households				
7	Population in the project area in 1989	persons	1,572	2,545,430	1,619
8	Households in the project area in 1989				
	Farming household	no.	1,513	266,130	177
	Non-farming household	no.	1,050	162,767	155
	Topography	·			
Ð	Classification of CISs by topography	nò.	2,207	-	-
	Alluvial plain	no.	734		-
	Valley	no.	1,185	-	-
	Terrace/Hilly	no.	288	-	•
10	Availability of 1:4,000 topo. map	л0.	1,745	-	
	Available	no.	913	-	-
	Not Available	no.	832	•	-
	Soils				
11	Classification of CISs by soils	no.	2,331	-	-
	Heavy clay	no.	88	-	-
	Silty, light and sandy clay	no.	354	-	-
	Silty clay loam, clay loam and sandy clay				
	loam Silty loam, loam, sand loam and loamy	no.	1,535	-	-
	sand	no.	349	-	-
	Sand	no.	5		

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (2/7)

No. of sub-projects : 2,423

No.	Items	Unit	No. of	Total	Average
			Answers		
	Hydrology			· · · · ·	and the second
	AALINI VIVEL				
2	Average low flow in dry season		1,625	-	
	0 - 500 lit/sec	lit/sec	1,115	-	185
	500 - 1,000 lit/sec	lit/sec	256	• •	715
	Over 1,000 lit/sec	lit/sec	254	• •	4,262
3	River discharge	no.	1,278	• · · ·	-
	Measured	no.	1,101	- :	-
	Guessed	no.	177	• * · · · · · · ·	•
	·····		1,229	<u>_</u>	
14	Catchment area at intake site	km2	1,229		21
	0 - 100 km2			-	283
	100 - 1,000 km2	km2	100	-	3,209
	Over 1,000 km2	km2	29	-	3,203
5	Availability of gauging station	no.	2,109	_ .	•
	Available	no.	190	- ' :	- .
	Not Available	no.	1,919	-	.
6	Observation period in gauging station	years	141		3.6
7	Availability of rainfall station	по.	2,066		
	Available	no.	1,114	•	- I I
	Not Available	no.	952	- -	· . • · · ·
8	Observation period of rainfall station	years	1,024	. •	12
	Irrigation and Drainage Facilities				
			1,940		
9	Purpose of irrigation water	no.	1,940	-	
	Irrigation	no.		-	-
	Drinking	no.	31	•	•
	Inland Fishery	no.	227	•	-
	Cattle raising	no.	71 3		-
	Mini-hydro power	no.	47		• ·
	Others	no.	47		•
20	Provision of diversion weir	no,	1,871	-	-
	With diversion weir	no.	1,319		-
	Without diversion weir	no.	552		
			1 100		
21	Materials of diversion weir	no.	1,189	•	-
	Concrete	no.	907	•	· ·
	Masonry	no.	251	-	-
	Earth	no.	102	*	-
	Wood	no.	88	1 m - 1 m	-
2	Height of diversion weir	m	1,037		3.1

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (3/7) No. of sub-projects : 2,423

No.	Items	Unit	No. of Answers	Total	Average
24	Unit diversion water requirement	lit/sec/ha	1,249	•	2.4
25	Overall irrigation efficiency	%	805	•	74
26	Unit drainage water requirement	lit/sec/ha	294		5.4
27	Total length of main/lateral canals				
	Earth canal	km	1,770	9,686	5.5
	Lined-canal	km	608	2,049	3.2
28	Total length of field ditches	km	770	8,293	10.8
29	No. of turnouts (main canal)	no.	738	6,853	9
30	No. of canal structures	no.	1,328	23,675	18
31	Total length of project/farm drains	km	148	531	3.6
32	Total length of drainage ditches	km	129	281	2.2
33	Total length of service road	km	412	1,234	3.0
34	Total length of access road	km	544	2,083	3.8
35	Average width of service road	m	392	-	4.9
36	Average width of access road	m	523	-	4.2
37	Situation of water shortage in dry season				
	No watershortage	no.	316	-	-
	Occassional water shortage	no.	677	•	-
	Frequent water shortage	no.	1,007	-	-
	Agriculture				•
38	Cropping intensity	<i>%</i>	2,008	•	141
39	Average farm size	ha	1,687		1.50
40	Crop yield in 1989				
	Wet season paddy	ton/ha	1,859	-	3.47
	Dry season paddy	ton/ha	1,620	-	3.47
41	Total crop production in 1989				
	Wet season paddy	tons	1,847	739,921	401
	Dry season paddy	tons	1,612	496,403	308
42	Average farm gate price in 1989				
	Wet season Paddy	Peso/kg	1,807	- <u>-</u>	4.91
	Dry season paddy	Pcso/kg	1,623	•	5.07

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (4/7) No. of sub-projects : 2,423

No.	Items	Unit	No. of Answers	Total	Average
	Agricultural Support Service				
3	Seed supply service	no.	2,128		
-	Available	no.	1,841	-	-
	Not Available	no.	287	-	- -
4	Fertilizer supply service	no.	2,173	<u> </u>	· • · · ·
	Available	no.	2,045	- .	
	Not Available	no.	128	•	-
5	Chemical supply service	no.	2,173	- ·	. ·
	Available	no.	2,056	-	-
	Not Available	no.	117	-	4
6	Farm machinery supply service	no.	1,808	-	
	Available	no.	1,721	-	- 1
	Not Available	no.	87	-	•
7	Rice mill	no.	2,213	-	• .
	Available	no.	2,057	-	-
	Not Available	no.	156		1 <u>-</u> - 2
8	Storage facilities	no.	2,143	• • •	_ ;
	Available	no.	1,165	-	-
	Not Available	no.	978	-	- · · · ·
	Credit service	no.	2,284		
	Available	no.	2,048	-	
	Not Available	no.	236	- 1	•
	Irrigators' Association (IA)				e Letter en
)	Organization status of IA	no.	2,209	-	 _
	Organized IA	no.	1,804	<u> </u>	
	Not-organized IA	no.	405	-	· •
	Total number of IA members	persons	1,442	143,548	100
2	Total amount of IA loan	pesos	972	1,320,330,780	1,358,365
	Total repaid amount of 1989	pesos	781	55,957,975	71,649
	Total amount due to be repaid of 1989	pesos	971	1,264,373,085	1,302,135

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (5/7) No. of sub-projects : 2,423

).	Items	Unit	No. of Answers	Total	Average
Tot	tal number of IAs that received NIA's				
trai	ining courses	no.	1,103		-
	System management	no.	656	a	-
	Organization management	no.	655	-	-
	Financial management	no.	649	-	-
	Others	no.	375	-	-
Wo	orking relationship among IA officials				
	I IA members	no.	1,629	-	-
	Excellent	110.	52	-	-
	Good	no.	961	-	-
	Fair	no.	521		
	Poor	no.	95	-	-
Lin	kage with NIA	no.	1,711	-	
	Excellent	по.	121	-	-
	Good	no.	1,020	-	
	Fair	no.	455	-	-
	Poor	no.	115	-	-
Lin	kage with DA, DAR and others	no.	1,731	-	· _
	Excellent	no.	39		-
	Good	no.	1,025	-	-
	Fair	no.	587	-	-
	Poor	no.	80	-	-
Far	mers (IAs) participation in F/S	ло.	1,542	-	-
	Substantial	no.	376	-	-
	Little	по.	618		-
	None	no.	548	-	· · ·
Far	mers (IAs) participation in Construction	no.	1,522	-	-
	Substantial	no.	1,014	-	•
	Little	no.	349	-	- .
	None	no.	159	-	•
Far	mers (IAs) participation in O/M	no.	1,510	-	-
	Substantial	no.	938	-	-
	Little	no.	396	-	-
	None	n 0.	176	· -	-
<u>Op</u>	eration & Maintenance Fee				
CIS	s collecting O/M fee other than amortizing fe	по.	1,874	-	-
	CISs collecting O/M fees	no.	741	-	-
	time tentting entities				

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (6/7) No. of sub-projects : 2,423

No.	Items	Unit	No. of Answers	Total	Averag
53	O/M fee per ha				e de la co
33	Wet season paddy	Peso/ha	587		302
	-	Peso/ha	527	-	285
	Dry season paddy	1 coopina	52.	 	
<u>í</u> 4	O/M fee collectable due in 1989	pesos	432	27,493,776	63,643
5	O/M fee collection efficiency	%	341	-	62.2
	CARP				
		· .			
56	Progress of agrarian reform	no.	757	•	-
	100%	no.	52	-	-
	100 - 75 %	no.	87	-	· . •
	75 - 50 %	no.	112		~
	50 - 25 %	no.	98	-	-
	50 - 25 % Less than 25 %		408	-	<u> </u>
	Less than 23 %	по.	400		
7	Total area for distribution under CARP	ha	370	34,372	93
8	Status of issuance of emancipation patents	<i>%</i>	305	•	56.6
	Environmental Issues	1	1. je		
9	River water quality	no.	2,289	•	•
·	No pollution	no.	2,015	- ·	-
	Polluted	no.	274	-	-
0	Deforestration in catchment area	no.	2,167	-	-
	Serious	no.	581		· · -
	Fair	no.	903	-	-
	Liule	no.	683	-	•
1	Soil erosion in catchment area	no.	2,182	- -	-
	Serious	no.	377	•	-
	Fair	no.	991	-	
	Little	no.	814	-	
2	Sedimentation in river	no.	1,898	-	-
	Serious	no.	359	-	- ·
	Fair	no.	796	•	-
	Little	no.	743	-	-
3	Quarrying in river	no.	1,914	~	
	Serious	no.	88		
	Fair	no.	522	· -	
	Little	no.	1,304	- ·	-

No.	Items	Unit	No. of Answers	Total	Average
	Costs & Project Economy				
74	Development cost estimated at F/S time	Peso/ha	1,056	- .	13,650
15	Development cost estimated at F/S time (1990 price level)	Peso/ha	587	-	30,192
6	Ratio of non-chargeable and chargeable costs	90	815	-	20.9
7	Project life span	ycars	963	-	45.7
18	EIRR	90	657	-	29.5

GENERAL FEATURES OF EXISTING SUB-PROJECTS : CIS (7/7) No. of sub-projects : 2,423

GENERAL FEATURES OF NEW SUB-PROJECTS : CIP (1/6) No. of sub-projects : 1,466

No.	Items	Unit	No. of Answers	Total	Average
	Area				
Ŀ	Designed irrigable area (wet season)	ha	1,466	211,809	144
2	Designed irrigable area (dry season)	ha	957	122,072	128
	Population & Households				
3	Population in the project area in 1989	persons	928	1,103,053	1,189
1	Households in the project areain 1989				i.
	Farming household	no.	911	125,571	138
	Non-farming household	no.	685	73,026	107
	Topography				
	Classification of CIPs by topography		1,193		
•	Alluvial plain	no.	327	-	•
	Valley	no. no.	615		-
	Terrace/Hilly		251		-
	Terrace/miny	ло.	231	-	-
	Availability of 1:4,000 topo. map	no.	1,037		. .
	Available	no.	239	-	-
	Not Available	no.	798	-	-
	Soils				
	Classification of CIPs by soils	no.	1,208	. .	
	Heavy clay	no.	100	•	
	Silty, light and sandy clay	no.	192
	Silty clay loam, clay loam and				
	Sandy clay loam	no.	760	•	·
	Silty loam, loam, sand loam				
	and loamy sand	no.	151	-	-
	Sand	no.	5	•	-
÷	Hydrology				·.
	Average low flow in dry season		902	-	-
	0 - 500 lit/sec	lit/sec	628	-	186
	500 - 1,000 lit/sec	lit/sec	106	· •	735
	Over 1,000 lit/sec	lit/sec	168		4,582
	River discharge	по.	888	•	
	Measured	no.	705	_	.
	Guessed		183		

GENERAL FEATURES OF NEW SUB-PROJECTS : CIP (2/6)

No. of sub-projects : 1,466

No.	Items	Unit	No. of Answers	Total	Average
10	Catchment area at intake site		844	-	-
10	0 - 100 km2	km2	783		18
	100 - 1,000 km2	km2	56	. .	238
	Over 1,000 km2	km2	5	<u>.</u>	6,819
	040 1,000 Kinz	A STA	5		0,017
11	Availability of gauging station	no.	1,209	-	
	Available	no.	58	-	•
	Not Available	no.	1,151	-	-
12	Observation period in gauging station	years	40	-	6.2
13	Availability of rainfall station	no.	1,211	-	-
	Available	no.	630		•
	Not Available	no.	581	-	-
14	Adequacy of rainfall for wet season paddy	no.	879	-	•
	100%	no.	65	-	•
	100 - 80 %	no.	681	-	· -
	Less than 80 %	no.	133	•	-
	Irrigation and Drainage Facilities			•	
15	Provision of diversion weir	no.	990		-
	With diversion weir	no.	740	-	-
	Without diversion weir	no.	250	*	-
16	Matariala of diversion wais		690		
10	Materials of diversion weir	no.	639	-	-
	Concrete	no.	133	-	•
	Masonry Earth	no.	26		-
	Wood	no.	13	•	-
	w000	no.	13	•	-
17	Height of diversion weir	m	425	-	2.2
8	Length of diversion weir	m	428	. - .	18.4
9	Unit diversion water requirement	lit/sec/ha	725	-	2.3
20	Total length of proposed main/lateral canals				
	Earth canal	km	715	4,613	6.5
	Lined-canal	km	182	433	2.4
1	Total length of proposed field ditches	km	451	3,756	8.3
2	No. of proposed turnouts (main canal)	no.	504	5,640	11
3	No. of proposed canal structures	no.	612	11,975	20
4	Total length of proposed project / farm drains	km	165	660	4.0
5	Total length of proposed drainage ditches	km	160	906	5.7
6	Total length of proposed service road	km	197	683	3.5

B2 - 9

GENERAL FEATURES OF NEW SUB-PROJECTS : CIP (3/6)

No. of sub-projects : 1,466

No.	Items	Unit	No. of Answers	Total	Average
27	Total length of proposed access road	km	492	1,957	4.0
28	Average width of proposed service road	m	190	-	5.1
29	Average width of proposed access road	m	479	- .	4.2
90	Sufficiency of river discharge	no.	886	· _	· •
	Sufficient	no.	722	-	-
	Insufficient	no.	164	-	
	Agriculture				
1	Present cropping intensity	%	724	-	128
2	Proposed cropping intensity	%	997	•	182
3	Average farm size	ha	761	. : · . -	1.7
	Present crop yield		£ 1		
-	Wet season paddy	ton/ha	779	-	2.6
	Dry season paddy	ton/ha	402		2.6
5	Proposed crop yield				
	Wet season paddy	ton/ha	821	•	3.9
	Dry season paddy	ton/ha	786	•	3.9
6	Total crop production in 1989				. :
	Wet season paddy	lons	728	164,825	226
	Dry season paddy	tons	399	62,509	157
7	Anticipated total crop production in 1989				
	Wet season paddy	tons	830	461,153	556
	Dry season paddy	lons	795	404,732	509
3	Average farm gate price in 1989	+ 1 <u>.</u>			
	Wet season paddy	Peso/kg	727	-	5.1
	Dry season paddy	Peso/kg	563	•' :	5.5
	Agricultural Support Service				4 - M.
9	Seed supply service	no.	1,134	· _	_
	Available Not Available	no.	941 102	-	-
	HUL AVAIIADIC	no.	193		- :
}	Fertilizer supply service	no.	1,139	-	in a second
	Available	no.	984	-	•
	Not Available	no.	155	•	·
	Chemical supply service	nọ.	1,142	-	-
	Available	no.	989	•	•
	Not Available	по.	153	· · · ·	

GENERAL FEATURES OF NEW SUB-PROJECTS : CIP (4/6) No. of sub-projects : 1,466

No.	Items	Unit	No. of Answers	Total	Averag
1 2	Farm machinery supply service	no.	1,060	~	•
	Available	no.	705		-
	Not Available	no.	355		-
13	Rice mill	no.	1,171	~	· -
	Available	no.	949	•	-
	Not Available	no.	222	-	-
14	Storage facilities	no.	1,163	-	
	Available	no.	752	₩	-
	Not Available	no.	411	-	•
15	Credit service	no.	1,234	-	-
	Available	no.	929	-	-
	Not Available	no.	305	-	-
	Irrigators' Association (IA)				
6	Organization status of IA	no.	1,281	-	
	Organized IA	no.	129	- .	-
	Not-organized IA	no.	1,152	· -	• •
7	Total number of IA members	persons	106	8,347	79
8	Endorsement of project	no.	235	-	-
	100 - 80%	no.	134	_	-
	80 - 60%	no.	78	_	-
	Below 60 %	no.	23	-	-
19	Training needs perceived by farmers	no.	1,084	-	-
	System management	no.	972	-	·_
	Organization management	no.	1,005	-	-
	Financial management	no.	904	-	-
	Others	no.	479	-	-
0	Presence of potential IA officials	no.	1,192		-
	More than adequate	no.	308	_	-
	Adequate	no.	779	-	-
	Inadequate	no.	105	2	-
1	Presence of potential IA members	no.	972	-	
-	More than 80 %	no.	308	_	
	80 - 60 %	no.	585	-	_
	Below 60 %	no.	79	-	-
2	Factors of enhancing farmers' participation				
	in IA (PIEs' ideas)	no.	1,155	-	-
	Poor economic status	no.	844		
	Sense of belongingness	no.	597	-	-
	Support from government agencies	no.	960	<u> </u>	-
	Support from private groups	по.	234	-	
	Others	no.	2.54 59	~	-
. •					

GENERAL FEATURES OF NEW SUB-PROJECTS : CIP (5/6)

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No. of sub-projects : 1,466

No.	Items	Unit	No. of	Total	Average
			Answers		
	Operation & Maintenance Fre				
	<u>Morranon & mannenance ree</u>				
53	Proposed O/M fee per ha for paddy				
	Wet season paddy	Peso/ha	645	•	348
	Dry season paddy	Peso/ha	623	•	389
	CARP				
54	Progress of agrarian reform	no,	469	-	-
	100%	no.	9	-	. .
	100 - 75 %	no.	43	-	-
	75 - 50 %	no.	77	-	•
	50 - 25 %	no.	51	-	-
	Less than 25 %	" no. '	289		-
55	Total area for distribution under CARP	ha	255	25,762	101
56	Status of issuance of emancipation patents	%	157	-	46.9
	Environmental Issues	н 1. Ча			
57	Present river water quality	no.	1,256	•	·
	No pollution	no.	1,182	_	-
	Polluted	по.	74	•	-
8	Present deforestration in catchment area	no.	1,155	-	
	Serious	no.	158	_	
	Fair	no.	594	_	- ·
	Little	no.	403	-	-
9	Present soil erosion in catchment area	no.	1,141		
	Serious	no.	69		
	Fair	no.	546	-	a di se
	Little	no.	526	-	•
0	Anticipated sedimentation in river	no.	986		
	Serious	по.	36		
	Fair	no.	458	-	· · · · · ·
	Little	no.	498 492	- · -	
1	Present quarrying in river	no.	1,024		
	Serious	no.	18		1 -
	Fair	no.	266	-	
	Little		740	-	-

B2 - 12

GENERAL FEATURES OF NEW SUB-PROJECTS : CIP (6/6)

No. of sub-projects : 1,466

No.	Items	Unit	No. of Answers	Total	Average
62	Probable environmental impacts induced				
	by projects	no.	1,185	-	•
	Contamination of surface water/soil	no.	435	-	-
	Spread of water-borne disease	no.	106	-	· _
	Change in river bed condition	no.	450	-	-
	Reduction in river fishery	no.	100	-	-
	Effect of diversion weir	ກ໐.	122	-	-
	Acceleration of agro-industry	no.	896	-	-
	Increase in employment opportunity	no.	978	-	-
	Support to agrarian reform	no.	695	-	-
	Others	no.	11	-	
	Costs & Project Economy				
63	Development cost estimated at F/S time	Peso/ha	299		30,088
54	Development cost estimated at F/S time				
	(1990 price level)	Peso/ha	215	-	32,527
5	Ratio of non-chargeable and chargeable costs	%	253	-	20.2
6	Project life span	years	329	-	45.2
7	EIRR	%	261	•	25.8

Table B2-03

NUMBER OF CANDIDATE SUB-PROJECTS FOR THE STUDY: CIS/CIP

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CLASSIFICATION OF EXISTING SUB-PROJECTS: CIS

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Ι.	1	ILOCOS NORTE	14	105	0	119	2,233	11,397	0	13,630	160	109	
	2	ABRA	8	2	27	37	1,047	396	3,823	5,266	131	198 138	14
	3	ILOCOS SUR	12	31	27	70	1,419	4,278	2,486	8,183	118		9
	4	MOUNTAIN PROVINCE	3	5	0	8	476	438	0	914	159	88	•
	5	LA UNION	16	23	0	39	2,704	2,367	0	5,071	169	103	
	6	BENGUET	5	1	: 3	9	376	50	191	617	207	50	6
	7	PANGASINAN	29	114	35	178	5,998	16,732	4,679	27,409		147	13
		Sub-total	87	281	92	460	14,253	35,658	11,179	61,090	164		- 12
Ц	8	BATANES	0	0	0	0	0	0	0	0		146	10
	9	CAGAYAN	41	44	20	105	5,971	6,410	2,130	14,511	146	146	7
	10		16	0	48	64	1,922	0	3,680	5,602 9,775	161	266	
	_11		26	21	. 0 .	47	4,190	5,585	0				•
	12		32	3	0	35	3,084	195	0	3,279	96 115	65	14
		NUEVA VISCAYA	19	12	100	131	2,188	1,953	13,977	18,118		163	. 14
	14		19	10	8	29	2.236	1,224	0 19,787	3,460	118	171	i
		sub-total	153	90	168	411	19,591	15,367	Contracted on the local division of the loca	7,746	278	116	13
ш		NUEVA ECUA	14	4	25	43	3,894	465	3,387	7,975	191	302	2
		TARLAC	13	5	18	36	2,471	1,508	3,990	1,563	166	69	
		ZAMBALES	. 9	1	0	10	1,494	69	0		137	172	-
	18		29	44	0	73	3,960	7,561	-	11,521	128	152	•
		BULACAN	1	11	0	18	894	1 674	. 0	2,568	129	125	13
	20	BATAAN	17	8	5	30	2,188	996	748	3,932	129	168	10
		sub-total	89	73	48	210	14,907	12,273	8,125	35,305		195	
IV	21		11	7	21	39	2,100	1,370	2,720	6,190	191		
		QUEZON	14	6	18	38	1,447	541	1,887	3,875	103	.90	14
		RIZAL	10	9	0	19	731	1,038	0	1,769	73	115	-
	24	-	3	2	. 0	S	414	182	0	596	138	91	
	25	LAGUNA	8	4	13	25	733	387	1,354	2,474	92	97	1
	26		15	4	3	22	1,342	297	393	2,032	89	74	1
	27	MARINDUQUE	5	Q	0	5	545	. 0	0	545	109	•	•
	28	MINDORO ORIENTAL	19	6	23	48	4,009	1,352	2,929	8,290	211	225	1
	29	MINDORO OCCIDENTAL	11	9	34	54	2,263	1,889	6,176	10,328	206	210	1
	30	ROMBLON	2	0	0	2	145	· 0	· 0	145	73	-	
	31	PALAWAN	28	11	2	41	5,213	1,664	345	7,222	186	151	1
		sub-total	126	58	114	298	18,942	8,720	15,804	43,466	150	150	1
v	32		14	2	. 2	18	1,139	165	165	1,469	81	83	
	33		39	25	32	96	5,779	4,398	2,835	13,012	143	176	
	34		8	1	0	9	989	60	0	1,049	124	60	
	35		20	58		78	3,782	8,053	0	11,835	189	139	
		SORSOGON	25	9	0	34	2,850	1,554	. 0	4,404	114	173	
		MASBATE	14	ő	S	19	1,400	0	454	1,854	100	-	
		sub-total	120	95	39	254	15,939	14,230	3,454	33,623	133	150	
VI	38		14	0	0	14	1,805	0	0	1,805	129	<u> </u>	
*1		-	12	Ő	. 0	12	1,108	0	ŏ	1,108	92	· .	_
	39		26	6	. 9	41	3,085	614	950	4,649	119	102	1
	40		32	2	0	34	4,620	170	0	4,790	144	85	
	41		17	0	0	17		0	ő	2,326	137		
		NEGROS OCCIDENTAL					2,326	0	0	2,528	137	-	
	43	NEGROS DEL NORTE	0	0	0	0	12,944	784	950	14,678	128	98	1
		sub-total	101	8	9	118				1,855	169		
VШ	44		. 11	0	0	11	1,855		0	4,885	203	144	
		NEGROS ORIENTAL	18	8	0.	26	3,735	1,150					•
		BOHOL.	21	17	1	39	3,035	1,569	53	4,657	145	92	
	47	SIQUIJOR	0	0	0	0	0	0	0	0	*	-	
	:	sub-total	50	25	1	76	8,625	2,719	53	11,397	173	109	
VШ		NORTHERN SAMAR	11	2	0	13	1,125	130	0	1,255	102	65	
		SAMAR	10	0	0	10	1,099	0	0	1,099	110	•	-
	50		2	0	, 0	2	2.52	0	0	252	125	-	
	51	NORTHERN LEYTE	29	3,7	35	101	5,839	5,455	4,932	16,226	201	147	. 1
	52	SOUTHERN LEYTE	13	7	0	20	1,694	537	0	2,231	130	π	
		sub-total	65	46	35	146	10,009	6,122	4,932	21,063	154	133	1
IX	53	ZAMBOANGA DEL NORTE	11	4	0	15	1,943	280	0	2,223	177	70	
1	54	ZAMBOANGA DEL SUR	42	5	. 4	51	7,059	501	307	7,867	168	100	
		BASILAN	2	. 0	0	2	155	0	0	155	78	•	-
	56	SULU	0	0	0	0	0	0	0	0	-	•	-
	57	TAWI-TAWI	0	0	. 0	0	0	0	0	0		-	· · · · · · · · · · · · · · · · · · ·
		sub-total	55	9	4	68	9,157	781	307	10,245	166	87	
X	58	SURIGAO DEL NORTE	10	10	2	22	1,072	788	550	2,410	107	79	2
		CAMIGUIN	3	0	. 0	3	540	0	0	540	180		
	60		20	3	20	43	2,950	260	2,797	6,007	148	87	1
		MISAMIS ORIENTAL	15	0	- 1	16	2,440	0	50	2,490	163	•	
		MISAMIS OCCIDENTAL	17	2	1	20	2,270	340	100	2,710	134	170	1
		BUKIDNON	26	ō ·	5	31	4,647	0	570	5 2 1 7	179	-	1
		AGUSAN DEL SUR	15	Ď	1	16	2,875	Ö	150	3,025	192		1
		sub-total	106	15	30	151	16,794	1,388	4,217	22,399	158	93	1
XI	23	SURIGAO DEL SUR	22	0	0	22	3,619	0	0	3,619	165	-	
~		DAVAO ORIENTAL	9	3	0	12	1,415	325	ŏ	1,740	157	103	
			13	0	2	15	2,600	0	660	3,260	200		3
		DAVAO DEL NORTE							0	5,726	188	168	
-		DAVAO DEL SUR	18	. 14	0	32	3,380	2,346				109	
	69	SOUTH COTABATO	24	0	7	31	4,040	0	1,895	5,935	168		<u></u>
		sub-total	86	17	9	112	15,054	2,671	2,555	20,280	175	157	
XII		LANAO DEL NORTE	18	2	0	20	2,878	380	0	3,258	160	190	
	. 71	LANAO DEL SUR	10	0	0.	10	2,190	0	0	2,190	219	-	
		NORTH COTABATO	18	0	6	24	3,557	0	1,340	4,897	198	•	2
		MAGUINDANAO	41	1	1	43	7,940	200	115	8,255	194	200	. 1
		SULTAN KUDARAT	22	0	0	22	4,878	0	0	4,878	222	-	
	- 74												
•	74	sub-lotal	109	3	7	119	21,443	580	1,455	23,478	197	193	2

CANDIDATE SUB-PROJECTS FOR REHABILITATION/IMPROVEMENT AND EXPANSION: CIS

		Descriment	TRALES			balancica (Nov.) en Under	Uninese	100	Novaa)	12:57	d brushie Experience	A/re(bs) Uncar	Uninowa	Teal	Ne Rebab J	Repart 1	Especial An	na (ba) De
gion		Province	Ingro.	Impro.		d Construction		1020	lamo.	lespro.		Construction			Impro.	Ingro.	Required	
		IL COOL MODITE	Required 15	Required 87		0 0	17	119	Required 2,020	Required 9,778	0	0	1,832	13,630	Required 135	Required 112	: .	
	1 2	ILOCOS NORTE ABRA		32		õ õ	2	37	546	4241	0	0	479	\$ 265	182	133	•	
	3	ILOCOS SUR	5	57		0 1	. 7	70	543	6,573	- 0	160	907	8,183	109	115	•	
	4	MOUNTAIN PROVINCE	2	6		0 0	0	8	164	750 3,348	0	0 400	0	914 5.071	82 110	125 125		
		LA UNION	12	26 7		D 1 D 1	Ð. Ó	39	- 1,323 \$1	449	· 0	117	ő	617	51	64		
	. 6	BENGUET PANOASINAN	38	135		o o	. 5	178	6,183	20,572	0	0	654	27,409	163	152	-	
-	?	SAPON SAPON	76	350	(3 3	31	460	10,830	45,711	Q	677	3,872	61,090	143	131		
n ·	8	BATANES	• 0	. 0		0.0	Ö	Ō	0	0	0	0	0	0			· •	
	9	CAGAYAN	30	51		0 3	21	105	4,235	7,706	0	252 147	2,318 3,342	14,511 5,602	141	151		
		KALINGA APAYAO	9	9		0 1	-45 12	61 47	915 2,730	1,198 2,750	. 0	860	3,435	9,775	161	183		
		ISABELA	17	15 30		0 3 0 0	0	35	710	2,509	. õ	. 0	0	3,279	154	- 84		
		IFUGAO NUEVA VISCAYA	29	43		0 1	51	131	3,851	5,468	0	280	8,519	18,118	133	127	· •	
· .			9	19		0 1	· 0	29	910	2,380	0	170	0	3,460	101	125		
•		auto-iotal	99	167		0 10	135	411	13,411	22.011	. 0	1,709	17,614	54,745	135	132	·	
ш		NUEVA ECUA	14	6		D O	23	43	2,972	1,609 6,661	0	0	3,165 766	7,746 -	124	208		
		TARLAC	26	30 3		0 I	. 3 1	36 10	846	659	ŏ	0		1,563	141	220		
		ZAMBALES PAMPANGA	2)	15	-	0.0	31	73	4,452	2249	0	Ō	4,629	11,521	165	149		
		BULACAN	5	. 3		0 0	10	18	1,064	350	. 0	0	1,134	2,568	217	117	-	
		BATAAN	10	- 11		0 0	9	30	1,469	895	0	0	1,568	3,932	147	81		
· ·		fator dun	64	68		0 1	\overline{n}	210	11.071	12,614	0	100	11,520	35,305	173	166		
v			4	16		0 1	- 18	39	621 703	3,006 667	0	200 132	2,363 2,373	6,190 3,875	155	188	-	
		OUEZON	6	7		0 2 0 0	23	38 19	119	1,650	. 0	. 0	<i>1,3/3</i> 0	1,769	60	. 97	-	
	23 24	RIZAL CAVITE	1	2		0 · 1	Ť	5	. 50	158	ő	300	85	596	50	79		
:		LAGUNA	4	ı.		1 ° . I	. 4	25	380	1,511	92	80	411	2,474	95	101	92	
		BATANGAS	n	0	. 1	0 2	9	22	978	0	0	215	839	2,032	£9	•	•	
	27	MARINDUQUE	Q	4		0 1	Ó	. 5	. 0	: 370	0	175	0	545	•	93	•	
	. 28	MINDORO ORIENTAL	• 3	40		0 1	4.	48	: 554	7,220	0	116	400	8,290 10,312	185 . 339	181 177	•	
÷.		MINDORO OCCIDENTAL	4	12		0 2	36	54 2	1,354	2,121 145	0	461	6,392 D	145	. 339	73		
		ROMBLON	. 9	2		0 0 0 4	0	41	1,513	3,457	0	1,050	1,202	7,222	168	182		
	- 10	PALAWAN Aub-total	44	134		1 15	104	298	6,272	20,305	92	2,729	14,068	43,466	143	152	92	
V	32	CAMARINES NORTE	. 4	13		0.0	1	18	328	1,051	0	0.	90	1,469	82	81	•	
		CAMARINES SUK	15	42	- i (0.3	36	96	2,076	6,739	- 0	309	3,888	13,012	138	160	•	
	. 34	CATANDUANES	2	6		0 0	t	• • 9	113	\$16	0	0	50	1,049	57	146	•	
			14	31		0 2	. 31	78	1,693	4,923	0	800	4,419	11,835	121	159	•	
		SORSOGON		27		0 0 0 0	2	34 19	710	. 3,694 731	0	0:	0 110	4,404	113	137 91		
	- 37	MASBATE sub-ioial	51	127		0 5	71	254	5,933	18.014	0	1,109	8,567	33,623	116	142		
n	18	AKLAN	2	8		3 1	0	14	144	1,151	430	80	0	1,605	72	. 144	143	
		CAPIZ	· · • •	n	1	0 Ū	p	12	60	1,048	0	0	0	1,196	50	. 95	•	
	40	ANTIQUE	0	39	1	0 1	1	41	0	4,399	0	200	50	4,649		113	•	
	41	ILOILO	.14	20		0 0	0	34	2,030	2,760	0	0	0	4,790	145	138	•	
			. 8	· 0 0		0 9 0 0	0	17 0	641	0 : 0	0 0	1,685	0	2,326		-		
-	43	NEGROS DEL NORTE sub-total	-25	78		3 11		118	2,875	9,358	430	1,965	50	14,678	115	120	143	
711	44	CEBU		6	·····	0 1	0	11	563	992	0	300	0	1,855	141	165		
· ·		NEGROS ORIENTAL	6	17		0.3	. 0	26	1,060	3,045	· 0	780	0	4,885	177	179	-	
	46	BOHOL	9	29		o o	1	39	736	3,844	0	. 0	\overline{n}	4,657	82	: 133		
	47	SIQUUOR	0	0		0 0	0	0	0	0		0	0	. 0			<u>-</u>	
		lucs-dus	19	52		0 4	· 1	76	2,359	7,881 910	0	1,080	77	11,397	124	152		
ш		NORTHERN SAMAR	4	. 9 9		0 0 0 1	0 0	10	0	1,049	, o D	50	Ð	1,099	· · .	107		
		SAMAR EASTERN SAMAR	ŏ	. 9		0 1	0 0	2	. 0	167	ō	85		252	2 - ² + 2	167		
		NORTHERN LEYTE	7	92		ŭ D	2	101	1,371	14,475	. 0	0	380	16,226	196	157	·	
	52	SOUTHERN LEYTE	1	14		1 4	0	20	146	1,501	116	468	Ū	2,231	146	107	116	
		sub-toist	12	125		1 6	2	146	1,862	18,102	116	603	380	21,063	155	145	116	
x		ZAMBOANGA DEL NORTE	2	12		01	0	15	160	1.968	0	95	0	2,223	80 182	164 187	•	
		ZAMBOANGA DEL SUR BASILAN	16	19		0 1 0 0	15	. 51 2	2,919 75	3,177 80	. 0	400	1,371 0	7,867	182	80	-	
		SULU	· 0			0 U	, U D	. 0	. 0	0	ů ů	· · · ·	0					
		TAWITAWI	õ	ŏ		o o	. 0	ŏ	. o	· o	·· õ	0	, o	0				:
		felor-dua	19	32		0 2	15	68	3,154	5,225	. 0	495	1,371	10.245	166	163		
x		SURIGAO DEL NORTE	9	4		2 1	6	22	890	260	260	500	\$00	2,410	99	65	130	
		CAMKUIN	0	. 2		1.0	0	3	. 0	160	380	0	0	540		80	380	
		AGUSAN DEL NORTE	3	31		1 4	4	43	445	4,317	380	345	520	6,007 2,490	148 65	139	380	
		MISAMIS ORIENTAL MISAMIS OCCIDENTAL		. 13.		0. :2 0 F		16 20	- 65 56	1,725 2,474	0	80-	100	2,490	55	133		
		BUKIDNON	7	21		G 1 1 1	1.	31	970	3,967	50	150	80	5,217	139	189	50	
		AGUSAN DEL SUR	4			0 1	. 0	16	900	1,975	0	150	0	3,025	225	160		
		sub-total	25	99		5 10	12	151	3,326	14,878	1,070	1,925	1,200	22,399	133	150	214	
α.,		SURIGAO DEL SUR	0	18		2 2	0	22	0	2,759	340	\$20	0	3,619		153	170	
		DAVAO ORIENTAL	2	9		0 1	. 0	12	320	1,350	0	60	0	1,740	160	151	-	-
		DAVAO DEL NORTE	5	. 3		0 · 2		15	1,130	620	. 0.	660	850	3,260	226 207	207 143	. <u>.</u> .	
		DAVAO DEL SUR SOUTH COLABATO	18 3	23		0 · ∶ 0 0 5	·0	32 31	3,730 805	1,996 3,935	· 0	1,195	0	5,726 5,935	268	143	· :	
	оу	south cotABATO	28	67		0 <u> </u>	5	112	5,985	3,935	340	2,435	850	20,280	208	159	170	
n	70	LANAO DEL NORTE		11		0 2	3	20	582	1,466	. 0	720	490	3,258	146	133		<u> </u>
		LANAO DEL SUR	6	4		0 0	0	10	1,460	730	. 0	. 0	0	2,190	243	183		, í
		NORTH COTABATO	2	17		i i	3	24	350	3,497	150	100	800	4,897	175	205	150	
	73	MAGUINDANAO	17	19	1 - E	2 5	0	43	3,920	3,455	230	650	. 0	8,255	231	182	. 115	
÷.,	74	SULTAN KUDARAT	-2	15		0 4		22	185	3,357	0	1,186	150	4,878	93	224		
		aub-total	- 31	. 66	-	3 12	7	119	6,497	12,505	380	2,656	1,440	23,478	210	189	127	

CANDIDATE SUB-PROJECTS FOR NEW CONSTRUCTION: CIP

0	N		sent Status of Pre			No	Designer F/S	l Irrigable. D/D	Arca (ha) Unknown	Total	Average of D No	esigned Irriga F/S	ble Area (D/D
Region	Province	No Planning	F/S D/D Finished Finishe		1001	NO Planning		D/D Finished	CHENOWN		Planning	Finished	Finishe
1 1		0	0 0		0	0	0	0	0	0	64	•	350
2		15 29	0 1	11	17 51	956 2,779	0 979	350 112	500 1,211	1,806 5,081	. 96	109	50
.3		38	0 6		44	6,525	Ő	\$95	0	7 120	172	•	99
5		26	10	0	27	2,433	280	0	0	2,713	94	280	•
	BENGUET	34	6 1		42	2,291	410	92 0	60 0	2,853 230	67 75	68 78	92
_2	PANGASINAN Sub-total	143	2 0	0 13	<u>3</u> 184	75 15,059	1.824	1,149	1,771	19,803	105	101	115
П 8	BATANES	0	0 0	Contract of the owner of the owner of the owner of the owner of the owner of the owner owner owner owner owner	0	. 0	0	0	0	0		-	•
9		65	1 0		66	9,070	392	0	Q.	9,462	140	392	•
	0 KALINGA APAYAO	39	1 2		43	4,736	250	456	120	5,562	121 156	250 165	228 100
	1 ISABELA 2 IFUGAO	41 43	2 1 2 1		. 44 46	6,390 4,455	· 330 310	100 215	0	6,820 4,980	104	155	215
	3 NUEVA VISCAYA	12	0 0		13	1,730	0	0	250	1,980	144		•
	4 QUIRINO	31	2 0		41	3,320	125	0	1,125	4,570	107	63	
	sub-total	231	8 4		253	29,701	1,407	<u></u>	1,495	33,374	129	176	193
	5 NUEVA ECUA	0	1 0	-	1	0 514	153 0	0	0	153 514	171	153	:
	6 TARLAC 7 ZAMBALES	0	0 0		0	0	ő	ŏ	ő	. 0	•	•	
	PAMPANGA	16	2 2		20	2,360	279	411	0	3,050	148	140	206
	9 BULACAN	3	0 1		4	310	·0	110	0	420	103	•	110
_2/	0 BATAAN	0	0 0		0	0	0	0	0	0	145	144	- 174
IV 2	sub-total	22	3 3		28	<u>3,184</u> 936	432	<u>521</u> 200	85	4,137	<u>145</u> 134	200	200
	Z QUEZON	5	4 3	4	16	310	406	223	437	1,376	62	102	74
23	3 REZAL	ō	0 1	0	1	0	0	75	0	75		-	75
	A CAVITE	2	2 1	1	6	200	260	50	85 0	595 170	100	130 120	.50 50
	5 LAGUNA 6 BATANGAS	0	1 1	. 14	2 21	0 200	120 50	50 327	0 1,440	170 2,017	100	50	50 82
	7 MARINDUQUE	0	0 0	0	0	200	0	0	1,440	2,017	•		-
	MINDORO ORIENTAL	15	3 0	0	18	2,020	422	0	0	2,442	135	141	
29	9 MINDORO OCCIDENTAL		7 0		15	670	1,798	0	200	2,668	96 50	257	-
	D ROMBLON 1 PALAWAN	1 81	1 0	0	2 96	50 13,373	70 2,195	250	0 400	120 16,218	50 165	70 183	250
	sub-total	120	32 12		187	17,759	5,521	1,175	2,647	27,102	148	173	93
V 32	2 CAMARINES NORTE	52	8 3		63	5,711	730	245	0	6,686	110	91	82
	3. CAMARINES SUR	17	13 0		30	2,781	1,764	0	0	4,545	164	136	•
	CATANDUANES	0	0 0		1	0	0	0	90	90		-	•
	S ALBAY	33 2	14 0		48	4,940 272	2,448 217	0 235	50	7,438 724	150 136	175	118
	6 SORSOGON 7 MASBATE	5	1 0		8	625	376	0	130	1,131	125	376	-
	sub-total	109	39 5		157	14,329	5,535	480	270	20,614	131	142	96
	8 AKLAN	0	1 1		2	0	100	100	0	200		100	100
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Grad BIKIDNON 31 41 72 5.217 8,270 13,487 168 63 BUKIDNON 31 41 72 5.217 8,270 13,487 168 64 AGUSAN DEL SUR 16 26 42 3,025 6,395 9,420 189 web-total 151 126 277 22,399 20,950 43,349 148 1 65 SURIGAO DEL SUR 22 17 39 3,619 3,130 6,749 165 65 DAVAO ORENTAL 12 14 26 1,740 1,640 2,780 145 67 DAVAO DEL SUR 32 7 39 5,726 1,300 7,025 179 69 SOUTH COTABATO 31 25 56 5,935 5,086 11,021 191 sub-total 112 72 184 20,280 12,382 32,662 181 10 12 72 184										2
64 AGUSAN DEL SUR 16 26 42 3,025 6,395 9,420 189 sub-total 151 126 277 22,399 20,950 43,349 148 1 65 SURIGAO DEL SUR 22 17 39 3,619 3,130 6,749 165 65 DAVAO ORENTAL 12 14 26 1,740 1,640 2,780 145 67 DAVAO DEL NORTE 15 9 24 3,260 1,826 5,086 217 68 DAVAO DEL SUR 32 7 39 5,726 1,300 7,025 179 69 SOUTH COTABATO 31 25 56 5,935 5,086 11,021 191 sub-total 112 72 184 20,280 12,382 37,662 181 11 70 LANAO DEL NORTE 20 22 42 3,258 2,245 5,503 163 71										2
sub-total 151 126 277 22,399 20,950 43,349 148 II 65 SURRAO DEL SUR 22 17 39 3,619 3,130 6,749 163 65 DAVAO ORLENTAL 12 14 26 1,740 1,040 2,780 145 67 DAVAO DEL NORTE 15 9 24 3,260 1,825 5,086 217 68 DAVAO DEL SUR 32 7 39 5,726 1,300 7,025 179 69 SOUTH COTABATO 31 25 56 5,935 5,086 11,021 191 sub-total 112 72 184 20,280 12,382 32,662 181 10 10 29 39 2,190 5,647 7,837 219 71 LANAO DEL SUR 10 29 39 2,190 5,647 7,837 219 72 NORTH COTABATO 24 77					42	3,025	6,395	9,420		2
International Construction International Construction <th< td=""><td>•</td><td>sub-total</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></th<>	•	sub-total								1
67 DAVAO DEL NORTE 15 9 24 3,260 1,825 5,086 217 68 DAVAO DEL SUR 32 7 39 5,726 1,300 7,025 179 69 SOUTH COTABATO 31 25 56 5935 5,086 11,021 191 sub-total 312 72 184 20,280 12,382 3,2622 181 170 LANAO DEL NORTE 20 22 42 3,258 2,245 5,503 163 71 LANAO DEL SUR 10 29 39 2,190 5,647 7,837 219 72 NORTH COTABATO 24 77 101 4,897 18,299 23,196 204 73 MAGUINDANAO 43 58 101 8,255 10,574 18,829 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,348 222										1
68 DA VAO DEL SUR 32 7 39 5,726 1,300 7,025 179 69 SOUTH COTABATO 31 25 56 5935 5,086 11,021 191 sub-lotal 112 72 184 20,280 12,382 32,662 181 11 70 LANAO DEL SUR 10 22 42 3,258 2,245 5,503 163 71 LANAO DEL SUR 10 29 39 2,190 5,647 7,837 219 72 NORTH COTABATO 24 77 161 4,897 18,299 23,196 204 73 MÁGUINDANAO 43 58 101 8,255 10,574 18,829 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,348 222	1									2
69 SOUTH COTABATO 31 25 56 5935 5,086 11,021 191 sub-total 112 72 184 20,280 12,382 32,662 181 II 70 LANAO DEL, NORTE 20 22 42 3,258 2,245 5,503 163 71 LANAO DEL, SUR 10 29 39 2,190 5,647 7,837 219 72 NORTH COTABATO 24 77 101 4,897 18,299 23,196 204 73 MAGUINDANAO 43 58 101 8,255 10,574 18,829 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,348 222	a									1
sub-total 112 72 184 20,280 12,382 32,662 181 II 70 LANAO DEL NORTE 20 22 42 3,258 2,245 5,503 163 71 LANAO DEL SUR 10 29 39 2,190 5,647 7,837 219 72 NORTH COTABATO 24 77 101 4,897 18,299 23,196 204 73 MAGUINDANAO 43 58 101 8,255 10,574 18,879 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,348 222	a									2
II 70 LANAO DEL NORTE 20 22 42 3,258 2,245 5,503 163 71 LANAO DEL SUR 10 29 39 2,190 5,647 7,837 219 72 NORTH COTABATO 24 77 101 4,897 18,299 23,196 204 73 MAGUINDANAO 43 58 101 8,255 10,574 18,829 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,349 222	1									1
72 NORTH COTABATO 24 77 101 4,897 18,299 23,196 204 73 MAGUINDANAO 43 58 101 8,255 10,574 18,829 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,349 222	در -				47	3.258	2,245	5,503	163	1
73 MAGUINDANAO 43 58 101 8,255 10,574 18,829 192 74 SULTAN KUDARAT 22 24 46 4,878 3,470 8,348 222	-	المادة-طنة								
74 SULTAN KUDARAT 22 24 46 4.878 3,470 8,348 222	-	805-1014 70 LANAO DEL NORTE 71 LANAO DEL SUR	20 10	29	. 39	2,190	5,647	7,837		. 19
it is a second	-	sub-total 70 LANAO DEL NORTE 71 LANAO DEL SUR 72 NORTH COTABATO	20 10 24	29 77	. 39 101	2,190 4,897	5,647 18,299	7,837 23,196	204	. 2
	-	sub-lotal 70 LANAO DEL NORTE 71 LANAO DEL SUR 72 NORTH COTABATO 73 MÁGUINDANAO	20 10 24 43	29 77 58	39 101 101	2,190 4,897 8,255	5,647 18,299 10,574	7,837 23,196 18,829	204 192	

DESIGNED IRRIGABLE AREA: CIS/CIP (2)

(Unit	1	Nos.)

	Brentines	n	CISs arigned Imigable	Area (he)		n	CIPs esigned Irrigable	Area (ha)	
egion	Province		esigned Irrigable 150-300	Area (na) 300-500	Total	50-150	150-300	300-500	 τ
	1 ILOCOS NORTE	50-150 93	150-300	300-300	119	0	0	0	
•	2 ABRA	25	6	6	37	15	Ō	2	1
	3 ILOCOS SUR	56	10	4	70	46	4	· 1	5
	4 MOUNTAIN PROVINCE	7	0	1	8	24	15	5	- 4
	5 LA UNION	30	4	5	39	23	4	0	2
	6 BENGUET	9	. 0.	0	9	42	0	0	4
	7 PANJASINAN	115	47	16	178	3	0	0	
-	Sub-total	335	89	38	460	153	23	8	18
п	8 BATANES	0	0	0	0	0	0	0	
	9 CAGAYAN	77	23	5	105	47	13	6	6
	10 KALINGA APAYAO	60	4	· 0	64	28	14	i ·	4
	11 ISABELA	21	16	10	47	28	13	3	4
	12 IFUGAO	33	1	· 1	35	35	11	0	4
	13 NUEVA VISCAYA	90	28	13	131	8	4	1)
	14 QUIRINO	22	- 6	1	29	35	5	1	4
~	Sub-total	303	78	30	411	181	60	12	25
ш	15 NUEVA ECUA	26	11	6	43	0	i	0	
	16 TARLAC	11	16	. 9	36	2	1	0	
	17 ZAMBALES	5	4	1	10	0	0	0	
	18 PAMPANGA	38	30	5	73	13	6	1	2
	19 BULACAN	13	4	1	18	- 3	1	0	
	20 BATAAN	21	6	3	30	0	0	0	
-	Sub-total	114	71	25	210	18	9	1	2
V	21 AURORA	27	10	2		6	4	0	1
	22 QUEZON	34	3	1	38	16	0	0	1
	23 RIZAL	17	2	0	19	1	0	0	
	24 CAVITE	4	1	0	5	5	1	0	
	25 LAGUNA	23	2	0	25	2	0	. 0	
	26 BATANGAS	21	1	0	22	20	1	0	2
	27 MARINDUQUE	4	3	0	5	0	0	0	
	28 MINDORO ORIENTAL	25	19	4	48	14	3	- 1	1
	29 MINDORO OCCIDENTAL	31	12	\mathbf{n}	54	10	3	2	. 1
	30 ROMBLON	2	0	0	2	2	Ö	0 -	
	31 PALAWAN	19	18	4	41	63	26	7	9
	Sub-total	207	69	22	298	139	38	10	18
7	32 CAMARINES NORTE	18	0	0	18	53	10	0	6
	33 CAMARINES SUR	77	12	7	96	21	7	2	3
	14 CATANDUANES	7	1	1	9	1	0	· 0	
	35 ALBAY	50	.21	7	78	29	15	4	4
	36 SORSOGON	23	10	1	34	6	i	0	-
	37 MASBATE	17	ĩ	1 .	19	6	Õ ;	2	:
	Sub-total	192	45	17	254	116	33	8	15
n i	38 AKLAN	10	4	0	14	2		Ö	
	39 CAPIZ	iĭ	1	· ŏ	12	10	ō	Ō	1
	40 ANTIQUE	35	4	2	41	18	Ő	1	ī
	41 1.01.0	24	9	ĩ	34	1	i	. 1	•
	42 NEGROS OCCIDENTAL	n	6	ō	17	25	7	2	3
	43 NEGROS DEL NORTE	Ö	.0	. 0	0	0	Ó	Ō	
-	Sub total	91	24	3	118		8	4	6
n i	44 CEBU	6	4	I	11	2	3	0	
	45 NEGROS ORIENTAL	13	8	5	26	6	6	2	- 1
	46 BOHOL	32	Ğ	ĩ	39	Ó	0	Ō	-
	47 SIQUUOR	0	0	0	Ó	2	2	0 .	· · ·
	Sub-total	51	18	7	76	10	<u> </u>	2	2
m	48 NORTHERN SAMAR	12	Ť	Ò	<u> </u>	33		0	ā
	49 SAMAR	9	1	0	10	12	6	1 .	1
	50 EASTERN SAMAR	í	i	ŏ	2	11	ĩ	ŏ	Ì
	51 NORTHERN LEYTE	67	24	ıŏ	101	31	i	š	. 4
	52 SOUTHERN LEYTE	17	2	-1	20	4	ò	ō	
_	Sub-total	106	29		146		21	6	<u> </u>
x	53 ZAMBOANGA DEL NORTE	10	4		15	9			i
	54 ZAMBOANGA DEL SUR	34	11	6	51	14	5	Ō	i
	55 BASILAN	2	0	õ	2	0	Ő	õ	•
	S6 SULU	õ	ŏ	ŏ	Õ	2	ŏ	2	
	57 TAWI TAWI	ŏ	.ŭ	ö	ŏ	3	ŏ	· 1	
	Sub-total	46	15	ž	68	28		<u>i</u>	4
<u>, </u>	58 SURIGAO DEL NORTE		2	····· f ····-		<u>1</u> 8	ī	0	i
	59 CAMIGUIN	2	ō	1	3	0	ō	õ	•
	60 AGUSAN DEL NORTE	31	10	2	43	19	4	ĩ	2
	61 MISAMIS ORIENTAL	9	6	ĩ	16	12	i	ō	ĩ
	62 MISAMIS OCCIDENTAL	13	6	. 1	20	1	i	i	
	63 BUKIDNON	22	4	5	31	23	n	7	4
	64 AGUSAN DEL SUR	6	9	i	16	8	13	5	2
-	Sub-total	102	37	12	151	81		14	12
	65 SURIGAO DEL SUR	13				<u> </u>	3	3	ī
	66 DAVAO ORIENTAL	9	2	ĩ	12	14	ő	õ.	1
	67 DAVAO DEL NORTE	7	4	4	15	5	2	2	
	68 DAVAO DEL SUR	. 18	12	2	32	3	3	1	
	69 SOUTH COTABATO	15	12	4	31	13	8	4	2
<u> </u>		62	37	13	112	46	16	10	
	Sub-total							0	
	70 LANAO DEL NORTE	13	6	1	20	18	4		2
	71 LANAO DEL SUR	3	6	1	10	13	12	4	2
	72 NORTH COTABATO	12	8	4	24	21	42	14	7
	73 MAGUINDANAO	23	. 14	6	43	32	20	6	5
	74 SULTAN KUDARAT	9		- 5	22	21	2	1	2
- mi	Sub-total	60	42	17	119	105	80	25	21

AVERAGE FARM SIZE: CIS

	_				-								<u>1</u>
gion		Province	Less	1 1	- 2	2.	Average Fan 3 3-		5 Ov	sc 5	Unknown	Total	Avera (ha)
i	1	ILOCOS NORTE	103	}	9		3		0	0	3	119	0.8
	2	ABRA	27		3			· .	0 0	0 '	4 . 30	37 70	0,8 1.0
	3	ILOCOS SUR MOUNTAIN PROVINCE	21		17 3		-		D	0	1	8	1.3
	5	LA UNION	33		5		-	-	0	0	0	39	3.0
	6	BENGUET	. 5		3		-	-	0	0	0 18	9 178	1.4 1.7
	7	PANGASINAN Sub-total	45 237		67 07	2	A REAL PROPERTY AND A REAL PROPERTY A REAL PRO		4	0	56	460	1.3
D.	8	BATANES			0		0	0	0	0	0	0	
	. 9	CAGAYAN	13		41	- 1 -			2	0	30 17	105 64	1.8
		KALINGA APAYAO	· 34 2		4 16		-		3	õ	22	47	2.0
	11 12	ISABELA IFUOAO	27		4		o :	2 .	0	0	2	35	0.8
		NUEVA VISCAYA	. 5		5	1.1	-		0 2	0	121	131 29	1.1
	_14	QUIRINO sub-total			9 79	2			2	0	199	411	1-
ш	15	the second second second second second second second second second second second second second second second s			4	And in case of the local division of the loc	Contraction of the local division of the loc	1	0	0	37	43	2.0
		TARLAC	3		15	1			0	0	2 1	36 10	2.0
		ZAMBALES PAMPANGA			3 22	1	•		4	0	23	73	2.2
		BULACAN	2		4				0.	0	4	18	2.1
		BATAAN	2		8	. : 	and the second s		0	0	19 86	30	1.4
<u></u>	21	sub-total AURORA	14		58 7	4		and the second s	5	0	20	210 39	1.8
IV		QUEZON			8		2	0.	0	0.	24	38	1.5
	23	RIZAL	6		12		-		0	0	. 0 0	19 5	1.5
		CAVITE	(13		4 10		0. [;] 1		0	0	2	25	
		LAGUNA BATANGAS	2		3))	1	0	0	16	22	1.4
	27	MARINDUQUE	3		2				0	0 0	0	5	0.8 1.3
	28 29	MINDORO ORIENTAL MINDORO OCCIDENTAL	5	r	5 6		*		0 0 ·	0	38 45	48 54	1 1.1
	30	ROMBLON	· 1	•	ĩ				D	0	0	2	1
	31	PALAWAN	1		6				3	<u> </u>	19	41 298	2.8
<u>v</u>	32	CAMARINES NORTE	42	and the second second second second second second second second second second second second second second second	<u>64</u> 4	1			2	.	9	18	2.
•		CAMARINES SUR	18		17		5	1	1	0	54	96	1
	34	CATANDUANES	. (0		-		0	0 0	3 54	. 9 78	0.4
		ALBAY SORSOGON	- 16 23		6				0 0	0.	. 24 8	78 34	. 0.1 3.0
		MASBATE		5	6		0)	0	0	8	19	1.0
		sub-total	70		36				3	0	136	254	1.2
۷I	38 39	AKLAN CAPIZ	11		3 6	• • •			0	0	. 0 .	14	0.5 1.1
	40	ANTIQUE	15		21	• 1			1	0	0	41	1.2
	41	ILOILO	7		7				0	0 -	17. 0	34 17	1.3 1.6
	42 43	NEGROS OCCIDENTAL NEGROS DEL NORTE	5		6 0				0	0	0	0	-
		Lator-dux	40	the second second second second second second second second second second second second second second second se	43				l	0	18	118	1.
VII	44		7		4 9		-		0	0	0	11 26	0.9 1.7
		NEGROS ORIENTAL BOHOL	, 30		5				0	õ .	3	39	0.7
		SIQUIJOR)	0				0	0	0	8	
		sub-total	44		18				0 <u>.</u>	0	4	76 13	<u> </u>
n <u>n</u>		NORTHERN SAMAR SAMAR	3		4				0	0	0	10	1.0
		EASTERN SAMAR	1		1		ס '		0	0	0	2	i 1
		NORTHERN LEYTE	28		44				4 0	0	6	101 20	1.
	52	SOUTHERN LEYTE	14 48		6 55	1			s	0	15	145	1.
ix		ZAMBOANGA DEL NORTE	5	5	5		5	0	0	0	0	15	1.0
		ZAMBOANGA DEL SUR	5 (17) 0	0 · · · · · · · · · · · · · · · · · · ·	20 1	51	1.6
		BASILAN SULU	0		1 0				0	0	0	Ő	1.3
		TAWI-TAWI)	0		0	0	0	0	0	0	
~		sub-total	10	the second second second second second second second second second second second second second second second se	23 4	1			1	0	21 1	68	
x		SURIGAO DEL NORTE CAMIOUIN	16		4 3	-			0 ·	0 0	1	3	0.5
	60	AGUSAN DEL NORTE	· 11	i	17		5	s	4	0	1	43	1.5
		MISAMIS ORIENTAL	4		7				2	0 0	1 3	16 20	1.1
		MISAMIS OCCIDENTAL BUKIDNON	13		3 16				1. ·	0	3	20	2.1
		AGUSAN DEL SUR		5	7	·	2	0	1	0	. 1	16	1.0
		sub-total	54		54	1			9	0	9	151	10
KI		SURIGAO DEL SUR DAVAO ORIENTAL	6	2	10 3				0	0	2 4	22 12	1. 2.
		DAVAO DEL NORTE	5	5	6		2	ç	Ola a series e	0	2	15	1.1
		DAVAO DEL SUR	1		17				0	0	. 4	32	14
	69	SOUTH COTABATO sub-total	1		20 56	1			0	0	2	31	1.
(1)	70	LANAO DEL NORTE	. 3		10		5	1 +	0	0	1	20	1.1
·	71	LANAO DEL SUR	. 1		8				0	0	Ŭ	10	1.6
		NORTH COTABATO	4		10 19	1			0	0	3	24 43	1.1
		MAGUINDANAO SULTAN KUDARAT	1		12				0 1 1	1	í	22	2.3
		sub-total	10)	59	2		Contractory of the local division of the loc	0	1	14	119	1.5
		Total	681	6	52	22) ý	3 3	9	2	736	2,423	1.

AVERAGE FARM SIZE: CIP

										,	804 : IcT)
Region		Province			5	Average Fan		5 Over	3 Unknow	n Total	Average (ha)
		ILOCOS NORTE	Less 1	1 - 1	A low and the second second second second second second second second second second second second second second	3 3-	a surprise and the surprise of			n Iouu 0	(na)
1	1	ABRA	16			0 4				17	0.6
	3	ILOCOS SUR	13	13	-) 0	24	51	1.1
	4	MOUNTAIN PROVINCE	25	12	2 1	1 () () 0	6	44	0.9
	5	LA UNION	26	() (0 (-	27	0.8
	6	BENGUET	18	24		D (-		42	1.0
	7	PANGASINAN	2	1	and the second sec) (the sub-transform montered		· · · · · · · · · · · · · · · · · · ·	3	0.8
		Sub-total	100	51		2				184	0.9
п	8	BATANES	0			0 · I 0 I				66	- 0.8
-	9	CAGAYAN	1	5	-	4 (43	1.4
		KALINGA APAYAO ISABELA	. 11	5 (• D		-		44	1.9
	11	IFUGAO	19	17		5 1		·. ·	_	46	1.5
		NUEVA VISCAYA	0			3		Ö	_	13	2.3
		QUIRINO	0					. 0	7	41	3.2
		sub-total	32	3.	24	1		i Ö	- 139	253	2.0
m	15	NUEVA ECIJA	0]	i () (1	2.0
	16	TARLAC	0	3						3	2.4
	17		0				1			0.	
	18		3						_	20	19
		BULACAN	0					-	-	0	-
	20	BATAAN	0) ()) 11) (28	2.0
īV	21	sub-total AURORA	0)		the second second second second second second second second second second second second second second second s	للمرابغ المشتقفة فالبهم موجلة وعقا	10	2.1
14		QUEZON	2	. 4		\$			-	16	2.0
	23	-	0	1		•) . (1	1.9
	24		3	3) (-		6	. 1.1
		LAGUNA	Û))) (0	0	2	1.3
		BATANGAS	3	1	3 2	2 () () 0		21	1.7
	27	MARINDUQUE	0	0				0	0	0	
	28	MINDORO ORIENTAL	1	(0 (•	17	18	1.0
	29	MINDORO OCCIDENTAL	0	1	-	-		-	7	15	1.8
	30		1	9					81	2 96	0.9 3.0
	31	PALAWAN		21		5				187	2.0
v	22	sub-total CAMARINES NORTE	- 0			0			the second second second second second second second second second second second second second second second s	63	
*		CAMARINES SUR	3	,		Ď				30	1.1
		CATANDUANES	1	ć						- 1	0.4
		ALBAY	12	6	5 . 1	1	۱. J	. 0	26	48	1.3
	36	SORSOGON	3 :	4	1 (D 4) () (-	7	1.1
	37	MASBATE	0.		5 ()(8	1.3
		sub-total	19	11		1		2 (the second second second second second second second second second second second second second second second s	157	1.2
VI	. 38		2) (2	0.8
		CAPIZ	0) (10	1.2
	40		12			2 (D () (19 3	1.0 2.0
	41	and the second second second second second second second second second second second second second second second	0	1		5 ·) . (34	1.8
		NEGROS OCCIDENTAL NEGROS DEL NORTE		11		,		· · · ·		0	
		sub-total	18	. 18		7) 0	24	68	1.4
VII	44	CEBU	1			0				5	1.8
		NEGROS ORIENTAL	4	ť		2 2	2 () (0	14	1.8
		BOHOL	0	· () () () () (. 0	0	·
	47	SIQUIJOR	1 -					0		4	1.5
<u> </u>		sub-tozel	6	16		3) (23	1.7
VШ		NORTHERN SAMAR	- 1) (40	1.6
		SAMAR	6	٤		2				19	1.8
		EASTERN SAMAR	5		-) () (12 43	1.2 1.5
		NORTHERN LEYTE	17 2	13			s (43	i.3
	36	SOUTHERN LEYTE	31	31			5			118	1.5
IX	53	ZAMBOANGA DEL NORTE	6			, I		The second second second second second second second second second second second second second second second s		13	1.8
7		ZAMBOANGA DEL SUR	õ) (19	1.5
		BASILAN	0			0 1			0	0	•
		SULU	0			1 () () (4	2.7
	57	TAWI-TAWI	1		and the second s)(taken alarman a	. 4	0.9
		sub-total	7				3			40	1.7
x		SURIGAO DEL NORTE	12) (19	1.0
		CAMIGUIN	0) (0	- 20
		AGUSAN DEL NORTE	4.			9 3 (24 13	2.0 1.7
		MISAMIS ORIENTAL MISAMIS OCCIDENTAL	. 0			3 (L (_	3	2.1
		MISAMIS OCCIDENTAL BUKIDNON	. 0	1						41	3.1
		AGUSAN DEL SUR	3			1 1 4		-		26	2.9
		Sub-total	24							126	2.2
x	65	SURIGAO DEL SUR	1) (and the second design of the s	17	1.8
		DAVAO ORIENTAL	0							14	2.7
		DAVAO DEL NORTE	į				D			9	3.3
- 1		DAVAO DEL SUR	0) 1	0	. 7	2.9
		SOUTH COTABATO	7					2 1	2	25	2.0
		sub total	8	21				3 3		72	2.3
XII		LANAO DEL NORTE	0	3	3 2	2) . (22	2.4
		LANAO DEL SUR	5	. 18) (. 29	1.6
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		MAGUINDANAO	4	. 1		r ·				58	1.5
	74	SULTAN KUDARAT	0	2		5			and the second se	24	2.2
		sub-tois)	10	34	19	y :	3. () (144	210	1.7

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Region

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						CR	OP	PIN	GI	NT	EN	SIT	Y:	CIS	5 :	•					(Unit ; Nos.)
~									Prese	al Crop	mine Ir	tentity	(务)							Average of	Ratio below
				~	50	75	100	110	120	. 130	140	150	160	170	180	190				Present Cropping	110% Cronnine
				0			. 100			1				- 1	100		Över	Unknowa	Totel	Intensity (%)	Intensity
1		Province		1	· 1	1 I		I	I.	ļ.	1	1	1	•	·· .]			COMPOSITION	tona	microsity (**)	
				0	75	100	110	120	130	140	150	160	170	180	190	200	200			40	(19)
		م الالان الجديد ومن مع هذا بطري مناسر معاد المستعد المستحد المربقة المربق من من عن ال		<u>1)</u>	(2)	(3)	(4)	(5)	(6)	<u>(7)</u>	(8)	(9)	(10)	<u>(11)</u>	(12)	(13)	(14)	(15)	(16)	143.8	(1)++(6)/Total 0.37
	. 1	ILOCOS NORTE		0	0	31	Ö	7	6	. 12	8	12	5	7	8	17	0	6 1		143.8	0.08
	2	ABRA		0	0	0	1	1	1	2	2	4	3	2	4	16	0' 1	۱ ه	37 70	130.0	0.63
	3	ILOCOS SUR		0	0	30	3	5	6	. 1	3	1	5	2	0	9	0	· •	8	192.4	0.00
	- 4	MOUNTAIN PROVINCE		0	0	0	0	0	0	0	1	0	0	0	0	6		. 2		152.2	0.38
	5	LA UNION		0	0	9	1	3	2	3	2	. 1	:1	0	1	14	0	· . –	39 . 9	194.2	0.00
	6	BENGUET		0	0	. Q	0	0	0	0	0	0	0	1	2	: 5	. 0.	1		-	
	7	PANGASINAN		0	0	29	9	8	7	15	26	7	12	. 7	12	39]	6	178	151.6	0.30
	-	Sub-total	and the second se	0	0	99	14	24	22	33	42	25	26	19	27	106	2	21	460	149.8	0.35
	8	BATANES		0	0	0	0	0	0	0	0	0	0	ø	0	G	. 0	0	0		
	9	CAGAYAN		0	0	2	0	0	1	3	0	. 4	3	7	7	55	3	20	105	189.7	0.03
	10	KALINGA APAYAO		0	0	1	1	1.	1	2	2	2	- 1	0	1	17	. 0	35	64	175.6	0.06
	- 11			0	0	1	1	1	2	4	1	1	2	1	· 4	15	. 0	14	47	172.0	0.11
	12			0	0	0	0	0	0	0	3	1	-2	4	7	12	1	5	35	187.5	0.00
	13	NUEVA VISCAYA		0	0	2	0	. 2	. 4	3	5	2	2	3	2	103	. 0	1	131	189.2	0.06
	14	QUIRINO		0	0	0	0	0	1	<u> </u>	0	2	2	3	0	16	.0		29	185.8	0.03
		lator-qua		0	0	6	2	4	9	13	11	12	12	!8	21	218	.4	81	411	186.0	0.05
	15	NUEVA ECUA		0	0.	19	0	O	2	5	1	2	1	2	0	7	1	3	43	137.4	0.49
	. 16	TARLAC		0	0	3	0	· 1	1.	1	4	3	1	4	2	13	0	3	36	168.5	0.14
	17	ZAMBALES		0	0	1	0	0	- 1	2	1	0	1	1	0	2	0	1	10	152.3	0.20
	18	PAMPANGA		0	0	1	1	2	5	2	3.	5	3	2	1	5.	1	36	73	150.2	0.21
	- 19	BULACAN		Ð	0	2	0	0	0	2	2	0	0	0	0	.1	2	9	18	202.6	0.11
	20	BATAAN		0.	0	0	. 0	0	1.	3	3	3	0	2	<u> </u>	16	0	<u> </u>	30	178.2	0.03
_		sub-mtsl		0	0	32	<u> </u>	3	10	15	14	13	6	_11	4		4	53	210	159.1	0.22
-	21	AURORA		D	0	2	0	0	0	2	2	3	0	3	3	9	0	15	39	171.1	0.05
	22	QUEZON		0	0	1	0	0	0	0	0	. 0	1	0	0	29	0	7	38	195.7	0.03
	23	RIZAL		-	0	0	1	0	0	1	2	1	0	0	0	_ ¥`	1	12	19	170.7	0.05
	24	CAVITE	(D	0	0	0	0	. 0	0	0	0	0	1	0	2	0	2	5	191.5	0.00
	25	LAGUNA	(0	0	0	0	. 0	0	0	0	0	0	0	1	21	1	2	25	200.9	0.00
	26	BATANGAS	(5	0	6	0	0	0	0	0	0	0	0	1	13	0	2	22	169.1	0.27
	27	MARINDUQUE	()	· 0	1	0	0	0	0	0	2	0	0	. 0	0	1	1	5	154.9	0.20
	28	MINDORO ORIENTAL		2	0	26	0	0	1	2	1	1	2	1	2	7	0	5	48	109.3	0.56
	29	MINDORO OCCIDENTAL)	0	9	0	4	4	3	· 3	1	2	7	5	7	0	9	54	149.5	0.31
	30	ROMBLON	: . !	2	0	0	0	0	0	0	0	0	Q	0	0	2	0	0	2	198.2	0.00
	31	PALAWAN	()	0	1	0	0	0	5	3	0	0	3	1	8	0	20	41	168.1	0.02
_		rub-ratal)	. 0	46	1	4	5.	13	11	8	5	15	13	99	3	75	293	164.9	0.19
	32	CAMARINES NORTE		َ ((0	0	0	0	0	· 0	0	2	. 0	2	2	6	· . Q	. 6	18	185.9	0.00
	33	CAMARINES SUR)	0	14	1	2	0	5	3	6	8	5	9	33	3	9	96	167.0	0.18
	34	CATANDUANES) (0	0	0	0	Û	1	1	2	0	1	0	1	0	3	9	161.3	0.00
	35	ALBAY	: 0)	0	0	0	0	. 0	0	0	0	.1	1	- 4	42	. 2	28	78	198.4	9.00
	36	SORSOGON	()	0	1.	0	0	. 0	0	1 I.	2	3	2	. 8	16	0	1	34	183.5	0.03
	37	MASBATE	1 ()	0	0	0	0	1	0	· 1	0	3	2	. 3	6	0	3	19	180.3	0.05
		sub-total	()	0	15	1	2	11	6	6	12	15	13	26	104	3	50	254	179.3	0.07
	38	AKLAN	()	0	2	0	0	()	0	û	0	0	· 1	0	10	· 0	1	14	181.6	0.14
	39	CAPIZ	C)	0	0	ø	0	0.	0	1	2	0	2	3	1	0	3	12	173.1	0.00

	31	PALAWAN	0	0	1	0	0) 5	3	C					0	20	· 41	168.1	0.02
		aub-ratal	0	. 0	46	1	4		5. 13	11	- 8	5	1.	5 13	99	3	75	293	164.9	0.19
v	32	CAMARINES NORTE	0	0	0	0	0) 0	0	. 2	: 0	2	2 2	. 6	0	6	18	185.9	0.00
	33	CAMARINES SUR	0	0	14	1	2) 5	3	6	5 8	3	59	33	1	ʻ 9	96	167.0	0.18
	34	CATANDUANES	0	0	0	0	0	(ว เ	1	2	: 0	1	1 0	1	0	3	9	161.3	0.00
		ALBAY	: 0	. 0	0	0	0	. (n (0	0	1. 1	1	4	42	. 2	28	78	198.4	9.00
		SORSOGON	Ó	0	Î	0	0	. (0 0	1.1	2	: 3	1	2.8	16	0	1	34	183.5	0.03
		MASBATE	. 0	0	0	0	Ó			- 1	0					0	3	- 19	180.3	0.05
	+ ;	sub-total	0	- Õ		1	2			6	12					3	50	254	179.3	0.07
VI	38		<u> </u>	0		<u> </u>	0			0 0	0		_			. 0	1	14	181.6	0.14
••		CAPIZ	ŏ	· ŏ	ō	ŏ	ŏ	. (-	1	2	-		-		ō	3	12	173.1	0.00
	40		ő	Ď	0	õ	ő			1	ō		i		-	ň	ś	41	188.1	0.02
		ILOILO	õ	ŏ	ů	ŏ	ŏ	ć		· c	3	-	2		14	. 0			186.2	0.00
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		NEGROS DEL NORTE		<u>0</u>	0	0	0			0	. 5		and the second se	and the second state	and the second se	<u> </u>	25	118	186.4	0.03
		sub-total	0			0	0	1		2				15				the second second second second second second second second second second second second second second second se	193.9	0.00
VII		CEBU	0	: 0		0	0				1							11		
		NEGROS ORIENTAL	0	0	e	0	0		. 0	0	0	-				0	4	- 26	185.6	0.04
		BOHOL	0	0	0	0	0	· •		2	4	-				0	1	39	176.9	0.00
	47	SIQUUOR -	0	0	0	. 0	0			. 0	0	-				. 0	0	0	the states of	
		aug-total	0	0	0	0	0			- 2	5					1	2	76	181.9	0.01
VIII	48	NORTHERN SAMAR	. Q	Q	1	0	0	1	. 0	1	1	0				0	• 9	13	134.3	0.15
	49	SAMAR	0	0	Û	0	0	1	0	0	2	2	2	: 2	0	0	1	10	167.1	0.10
	50	EASTERN SAMAR	0	0	0	0	0	0) (0.	. 0	0	Ċ) O	0	0	2	2	-	•
	51	NORTHERN LEYTE	0	0	0	1	1	3	3	9	10	10	12	i 9	38	Q	5	101	176.8	0.05
	52	SOUTHERN LEYTE	0	. 0	0	0	0	C	0	0	. 0	0	1	3	16	0	0.	20	195.1	0.00
		sub-total	0	0	1	1	1	5	3	10	13	12	15	14	54	0	. 17	146	177.7	0.05
IX	53	ZAMBOANGA DEL NORTE	0	0	0	0	Û	2	2	0	0	1	1	0	8	0	1	15	176.4	0.13
	54	ZAMBOANGA DEL SUR	0	0	3	0	0	C	+ 2	3	1	4	4	2	27	0	. 9	51	185.5	0.02
	55	BASILAN	· 0	0	0	0	0	C	D D	0	0	1	C	0	0	0	1	. 2	162.5	0.00
	56	SULU	0	0	0	0	0	. 0	0	0	0	. 0	0	່ວ	. 0	0.	. 0	0	. · .	· · · · ·
	57	TAWI-TAWI	0	0	0	. 0	· 0 ·	c	. 0	0	0	0	c) Ó	. 0	. 0	0	0		
		สมชั-เอเลโ	0	0	1	0	0	2		- 1	1	6				0	11	68	182.9	0.04
x	58	SURIGAO DEL NORTE	0	0	- 1	0	2	0			- 1		0		8	1	3	22	174.8	0.14
	59	CAMIGUIN	õ	ō	0	Ő	ō	Ċ		, 0	0		0		š	ò	Ő.	3	198.3	0.00
	60	AGUSAN DEL NORTE	ň	ŏ	1	õ	ĩ	1		8	2	-	1		12	ő	8	43	165.2	0.07
	61	MISAMIS ORIENTAL	, n	ň	0	ŏ	0			n	0		0		10	ň	5	16	198.6	0.00
	62	MISAMIS OCCIDENTAL	0	ñ	ŏ	0	ő	0		ő	: 1	-	. 0		15	· Ň	2	20	195.2	0.00
	63	BUKIDNON	ő	č	õ	ő	ő	Ő		-					18	Ö	4	31	189.3	
			•			. 0		0		. 0	1		2		10	-				0.00
	0.	AGUSAN DEL SUR	<u> </u>	0	0	0	- 0			0	-		CALCULATION OF THE OWNER	بترجيعه بش		<u> </u>		16	198.0	0.00
		SURIGAO DEL SUR	0		2		. 3				5		3		75	1	- 28	151	182.8	_0.04
XI			0	0	0.	0	0	<u></u>		0	• •	-	. 0		5	0	11	22	177.2	0.05
		DAVAO ORIENTAL	0	0	0	0	0	0		0	2		0	-	3.	. 0	4	12	173.8	0.00
		DAVAO DEL NORTE	0	0	0	0	0	. 0		1	0		0		9	0	3	15	193.3	0.00
- 1		DAVAO DEL SUR	0	0	0	0	0	0		. 2	. 0		. 3		25	0	0	32	192.9	0.00
	69	SOUTH COTABATO	0	0	. 0	0	0	. 1		1	0		<u> </u>	1	22	0	1	31	188.5	0.03
		ສາມຽ-ເວເລ]	0	0	0	0	0.	2		4	2		4			0	19	112	188.1	0.02
XЦ		LANAO DEL NORTE	0	0	2	0	0	0		3	÷. Q		. 0			0	2	20	168,3	0.10
		LANAO DEL SUR	-0	0	0	Ó	0	Û	D	0	1		2			· 0	· 5	10	174.2	0.00
	72	NORTH COTABATO	0	Ø	0	0	.0.	0	. 1	2	$\gamma_{i} = 1$	3	6	· 0	6	· 0	. 5	- 24	176.1	0.00
	73	MAGUINDANAO	0	0	4	• •	0	i I	2	8	: <u>5</u>	5	3	- 0	. 4	1	10	43	164.0	0.12
	74	SULTAN KUDARAT	0	0	3	0	. 0	0	0	1	1	: 1:	2	- 1	7	0	6	22	168,6	0.14
		sub-total	0	0	9	0	0	1	4	14	8	13	13		24	1	28	119	168.7	0.08
		Total	0	0	213	20	41	60	104	126	109	124	137	152	902	20	415	2,423	171.3	0.14

CROPPING INTENSITY: CIP

Lapin Image Image <th< th=""><th></th><th></th><th></th><th></th><th></th><th>CRC</th><th></th><th></th><th></th><th>т. Н</th><th>11.4.2U</th><th></th><th></th><th>-14</th><th></th><th></th><th></th><th></th><th></th><th></th><th>(Unit : Nos)</th></th<>						CRC				т. Н	11.4.2U			-14							(Unit : Nos)
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11 2 ADBALES 0	Ш		NUEVA ECIJA	0) 0	0	0	0	Ó	0	0	0	. 0	0	0	0	0	1	1	•	•
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37 MASBATE 0<									1			-	-	-							
VI 38 AKLAN 0 </td <td></td> <td></td> <td>MASBATE</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>			MASBATE													-					
a NTTQUE 1 0 2 2 1 1 3 2 0 1 3 0 2 1 0<	VI		AKLAN	0) 0	0	0	. 0	0	0	0	0	0	0	Ó	0	0	2	2		-
42 DEGRS OCCIDENTAL 0 0 3 2 1 2 2 3 2 1 0 1 4 140.3 0.24 41 NEGRS DEL NORTE 0				-	-		-							-	1		0	2	19	135.1	0.37
Pub-total 1 0 5 4 2 6 10 7 3 0 3 5 0 19 68 138.9 0.26 VII 44 CEBU 0 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td>1</td> <td>•</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				-		-		-	1	•				-							
VII 44 CEBU 0 </td <td></td> <td>43</td> <td></td> <td>0</td> <td></td> <td></td> <td>_</td> <td></td> <td>-</td> <td>138.9</td> <td>0.26</td>		43		0			_												-	138.9	0.26
46 DOIDL 0 <td>VΠ</td> <td></td> <td>CEBU</td> <td></td> <td>0 0</td> <td>. 0</td> <td>0</td> <td>_</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>Û</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>3</td> <td>5</td> <td>200.0</td> <td>0.00</td>	VΠ		CEBU		0 0	. 0	0	_	0	0	0	0	Û	0	0	2	0	3	5	200.0	0.00
pik-total 0 0 9 1 5 0				0	0			, 0 1		0	. 0		•	•	- 0	0	õ	0	0	•	•
VII 48 NORTIERN SAMAR 0 0 6 0 1 1 0		47	the second second second second second second second second second second second second second second second s						_				_					the second second second second second second second second second second second second second second second se			
50 EASTERN SAMAR 0 0 0 1 1 1 1 1 1 1 2 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 1 0	VIII		NORTHERN SAMAR																		
52 SOUTHERN LEYTE 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0		50	EASTERN SAMAR	0	0	6	0	0		1	1	់រ	2	0	0	0	0	0	12	125.5	0.58
DX 53 ZAMBOANGA DEL NORTE 0 0 2 0 4 4 1 1 1 0 0 0 13 125.0 0.77 54 ZAMBOANGA DEL SUR 0<				ð	0	0	i			1	0	Ð	0	1	0	1	0	0	. 4	154.5	0.25
S4 ZAMBOANGA DEL SUR 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0	IX	53						-													
56 SULU 0 0 1 0 <td></td> <td>54</td> <td>ZAMBOANGA DEL SUR</td> <td>0</td> <td>0</td> <td>0</td> <td><u>0</u></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>0</td> <td></td> <td>- 1</td> <td>0</td> <td></td> <td></td> <td>19</td> <td></td> <td>0.00</td>		54	ZAMBOANGA DEL SUR	0	0	0	<u>0</u>			-			0		- 1	0			19		0.00
sub-total 0 0 4 0 4 2 2 1 0 0 1 0 0 22 40 127.5 0.30 X S8 SURIGAO DEL NORTE 2 0 1 1 0		56	SULU	0	0	- 1	0	0	0	0	- 0	. 0	0	0	0	0	0	. 3	4	100.0	0.25
59 CAMIGUN 0<	•	57												·····							
60 AGUSAN DEL NORTE 0 0 6 0 3 1 1 2 0 0 0 9 24 124.3 9.42 61 MISAMIS ORENTAL 0 0 1 0 0 0 0 0 2 0 1 2 0 2 0 5 13 163.8 0.06 62 MISAMIS ORENTAL 0	X																				
62 MISAMIS OCCIDENTAL 0		60	AGUSAN DEL NORTE	0	0	6	. 0	3	1	1	2	0	0	2	0	0	0	9	24	124.3	
64 AGUSAN DEL SUR 0 0 1 0 0 0 1 2 2 3 4 4 0 9 26 175.0 0.04 sub-total 2 0 9 1 3 1 1 5 2 7 7 5 26 0 57 126 162.6 0.13 XI 65 SURIGAO DEL SUR 0 0 1 0 1 1 0 1 1 <		62	MISAMIS OCCIDENTAL	0	0	. 0	. 0	0	0	D	0	0	0	0	0	0	0	. 3	3	•	•
XI 65 SURIGAO DEL SUR 0 0 1 0 1 0 1 0				0	Ō				-				2	3	4	- 4	0	9	26	175.0	0.04
66 DAVAO ORIENTAL 1 0 0 0 0 0 0 0 0 1 0 0 0 1 1 1 14 115.3 0.07 67 DAVAO DEL NORTE 0 0 1 0 <td>XI</td> <td>65</td> <td></td> <td>And states in case of the local division of</td> <td>_</td> <td>-</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>2000</td> <td></td> <td></td> <td></td> <td></td> <td>and the second se</td> <td></td> <td></td>	XI	65		And states in case of the local division of	_	-				1				2000					and the second se		
68 DAVAO DEL SUR 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0		66	DAVAO ORJENTAL	1	0	· D ·	0	0	0	, D	1	0	. 0	0	0	1	: 0	11	. 14	115.3	0.07
nub-total 1 0 15 1 0 2 0 3 1 2 1 0 24 1 21 72 157.4 0.26 XII 70 LANAO DEL NORTE 1 2 4 0 0 0 1 0 0 2 0 1 0 11 22 116.8 0.32 71 LANAO DEL SUR 0 0 4 1 0 2 1 0 0 1 29 128.8 0.24 72 NORTH COTABATO 0 0 0 0 0 0 0 1 29 128.8 0.24 72 NORTH COTABATO 0 0 0 0 0 0 0 0 0 73 77 175.8 0.00 73 MAGUNDANAO 4 1 5 1 0 0 0 0 0 0 0 65		68	DAVAO DEL SUR	÷	0	0	Ó	0	Ŋ	0	, 0	0	. 0	C	0	3	1	3	7	216.5	0.00
71 LANAO DEL SUR 0 0 4 1 0 2 19 1 1 0 0 0 0 1 29 128.8 0.24 72 NORTH COTABATO 0 0 0 0 0 0 0 0 0 0 1 29 128.8 0.24 72 NORTH COTABATO 0 0 0 0 0 0 0 0 0 73 77 175.8 0.00 73 MAGUINDANAO 4 1 5 1 0				0															72	157.4	0.26
72 NORTH COTABATO 0 0 0 0 0 0 0 0 0 0 0 0 0 3 1 0 0 73 77 175.8 9.00 73 MAGUINDANAO 4 1 5 1 0 1 0 0 1 0 1 0 1 1	XII																				
74 SULTAN KUDARAT 0 1 0 0 0 2 0 2 2 0 1 6 24 153.4 0.04 sub-total 5 4 13 2 0 2 21 2 1 3 7 1 2 0 121.8 0.12	· .	72	NORTHCOTABATO	0	0	0	Ō	0	0	0	0	0	. 0	- 3	1	· 0	0	73	27	175.8	0.00
			SULTAN KUDARAT	0	1	0	0	0	0	2	0	Ó	2	2	0	1	0	16	24	153.4	0.04
								_				_					Contraction of the local division of the loc				

ORGANIZATION STATUS OF IAS: CIS

-	(Uait :) Average of IA	los.)
	Members	

		ىدە ھۈرىيە بەرەمىيە مەركىيە بەرەمىيە يەرەپ بەرەپ يەرەپ يەرەپ يەرەپ يەرەپ يەرەپ يەرەپ يەرەپ يەرەپ يەر	الماداة تشعر فسرار شريبا إستكانتهم ويروجانها المتعدين	and a second second second second second second second second second second second second second second second	A of Channes		IA Organization Ratio	Average of IA
Region		Province	Non-Existence of IA	IA Organized	As' Status Unknown	Total	(%) (5) = (2) / (4) x 100	Members (nos.)
		· · · · · · · · · · · · · · · · · · ·	(1)	(2)	(3)	$\frac{(4) = (1) + (2) + (3)}{119}$	(5) ≥ (2) / (4) X 100 98	127
1	1	ILOCOS NORTE	25	117	2	37	27	283
	23	ABRA ILOCOS SUR	22	44	4	70	63	117
	د م	MOUNTAIN PROVINCE	õ	8	0	8	100	145
	· 5	LA UNION	0	39	0	39	100	177
	6	BENGUET	0	. 9	0	9	100	44
	- 7	PANGASINAN	35	132	11	178	74	117
		Sub-total	83	359	18	460	78	125
<u>li</u>	8	BATANES	0	. 0	0	0	. 87	
	9	CAGAYAN	4	91	10	105 54	28	59
$t \in [0, \infty)$		KALINGA APAYAO	24	18 30	22]4	47	64	89
1		ISABELA	3	33	14	35	94	100
		IFUGAO	4	125	ĩ	131	96	105
		NUEVA VISCAYA OUIRINO	0	28	ĩ	29	97	46
	- 14	sub-total	37	326	48	411	79	85
iu	15	NUEVA ECUA	25	16	2	43	- 37	117
112		TARLAC	3	33 :	0	. 36	92	100
		ZAMBALES	0	10	0	10	100	77
	18	PAMPANOA	. 12	32	29	73	44	54
	19	BULACAN	5	13	D	18	n	75 85
	20	BATAAN	7	19	4	30	<u>63</u> 59	85 82
		sub-total	52	123	35	210		82
IV	21	AURORA	5	22	12 23	39	39	100
		QUEZON	0	15 19	25	19	100	73
		RIZAL	. 0		0	5	100	52
:	24	LAGUNA	9	16	ō	25	64	94
		BATANGAS	· Ó	19	3	22	86	79
		MARINDUQUE	0	5	0	5	100	171
	28	MINDORO ORIENTAL	26	22	o	45	46	108
	29	MINDORO OCCIDENTAL	12	15	27	S 4	28	110
		ROMBLON	0	2	0	2	100	71
	31	PALAWAN	5	28	8	: 41	68	36
		sub-total	57	168	73	298	56	85
-γ ·	32		2 -	15	- 1	18	83	42 92
	33	CAMARINES SUR	35	61	. 0	96	64 100	100
		CATANDUANES	0	- 9	0	9	29	163
		ALBAY	40	23 31	15 0	78 - 34	25 91	135
		SORSOGON	· 3 1	17	1	19	89	65
	37	MASBATE sub-total	81	156	17	254	61	103
VI	38	AKLAN	0	13	1	14	93	124
¥,	39	CAPIZ	0	12	ō	12	100	62
	40	ANTIQUE	. 5	35	1	41	85	103
	41	ILOILO	2	32	0	34	94	76
	42	NEGROS OCCIDENTAL	. 0	17	0	17	100	65
	43	NEGROS DEL NORTE	0	8	0	0		
		sub-total		109	2	118	92	90
VΠ		CEBU	0	11	. 0.	11 26	88	132
		NEGROS ORIENTAL	3 13	23 25	0	- 39	64	278
		BOHOL	. 0	23	0			
-	4/	SIQUIIOR sub-total	16	59	1	76	78	186
VIII	49	NORTHERN SAMAR		6	<u> </u>	13	46	54
VDI		SAMAR	0	10	Û	10	100	77
		EASTERN SAMAR	0	2	0	2	100	45
		NORTHERN LEYTE	44	54	3	101	53	82
		SOUTHERN LEYTE	1	18	1	. 20	90	152
		sub-total	52	90	4	146	62	93
IX		ZAMBOANGA DEL NORTE	1	14	0	15	93	101
		ZAMBOANGA DEL SUR	0	44	7	51	86	89
		BASILAN	0	2	0	2	100	48
		SULU	0	0	0	0	•	1. The second second second second second second second second second second second second second second second
	_ 57	TAWI-TAWI	0	<u> </u>	0 7	68		90
<u>x</u>	40	sub-total SURIGAO DEL NORTE	2	20	0	22	91	92
•		CAMIGUIN	0	3	. 0	3	100	132
		AGUSAN DEL NORTE	10	33	. 0	43	m	81
		MISAMIS ORIENTAL	0	15	1	16	94	91
		MISAMIS OCCIDENTAL	0	20	0	20	100	231
		BUKIDNON	1	30	0	31	97	64
•		AGUSAN DEL SUR	0	15	<u></u> 1	16	94	38
		sub-total	13	136	2	151	90	160
XI		SURIGAO DEL SUR	1	21	0	22	95	70
		DAVAOORIENTAL	0	12	0	12	100	58
		DAVAO DEL NORTE	0	14	1	15	93	17
		DAVAO DEL SUR	1	31	0	32	97	72
	. 69	SOUTH COTABATO	0	31	0	31	100	120
:		sub-total	2	109	1	112	97	84
ХЦ		LANAO DEL NORTE	0 5	18	2	20	90	82
		LANAO DEL SUR	. 0	10	0	10	100 96	123 87
		NORTH COTABATO	1	23	. 0	24 43	95 84	90
		MAGUINDANAO	3	36 22	4	43	100	87
	74	SULTAN KUDARAT				119	92	\$7 \$0
		sub-total	4	109	6			

ORGANIZATION STATUS OF IAS: CIP

						JS OF IAS: C		(Unit : N
. .			Non Existence	of IA IA Organized	Unknown	Total	IA Organization Ratio (%)	Average of IA Members
Region		Province	(i)	(2)	(3)	(4) = (1) + (2) + (3)	$(5) = (2) / (4) \times 100$	(1105.)
I	1	ILOCOS NORTE	0	0	Ö	0 17		•
	2	ABRA ILOCOS SUR	16 38	0	1 12	51	2	41
	4	MOUNTAIN PROVINCE	41	3	0	44	7	238
	5	LA UNION	27	0	0	27	0	•
	6	BENGUET	39		0	42 3	7	41
	<u>. 7</u>	PANGASINAN Sub-total	<u> </u>	0	13	184	4	119
II	8	BATANES	0	0	0	0	anggaga, apa ada biyana a barday talihi pangan ang atau apatan apatan apatan pangangan pangan biya p 	يورون بواران دوار خانها
	9	CAGAYAN	65	0	1	66	0	•
		KALINGA APAYAO	41	0	2	43	0	•
		ISABELA	41 44	· 0	3	44 46	2	96
		IFUGAO NUEVA VISCAYA	11	. 0	2	13	0	
		QUIRINO	40	0	1	41	- 0	
		sub-total	242	1	10	253	0	*
10		NUEVA ECUA	0	1	0	1	-100	106
		TARLAC ZAMBALES	3 0	0	0	. 0		•
		PAMPANOA	15	5	õ	20	25	90
	19	BULACAN	3	1	0	. 4	25	•
	20	BATAAN	0	0	0	0		
IV	41	sub-total	<u>21</u> 8	7	0	23	10	
34		AURORA QUEZON	8	2	· 6	16	13	30
		RIZAL	i	ō	õ	1	0	•
	24	CAVITE	1	5	0	6	13	- 53
		LAGUNA	• 0	2	0	2 21	100 14	62
		BATANGAS MARINDUQUE	16	د ۱	0	21	47	•
		MINDORO ORIENTAL	15	1	2	18	6	127
		MINDORO OCCIDENTAL	. 8	4	3	15	27	128
		ROMBLON	. 1	1	0	2	50	35
		PALAWAN sub-total	86			<u> </u>	14	71
	32	CAMARINES NORTE	61	0	2	63	0	•
	33	CAMARINES SUR	22	6	2	30	20	102
		CATANDUANES	0	1	0	1	100	160
		ALBAY	38	4	6	48 7	8 · · · · · · · · · · · · · · · · · · ·	169 87
		SORSOGON MASBATE	7	0	1	. 8	0	0
		sub-total	134	12	11	157	8	145
VI		AKLAN	2	0	0	2	0	-
		CAPIZ	0	· 1	9	10	10 21	- 167
		ANTIQUE	15 2	4	. 0	19	33	266
		NEGROS OCCIDENTAL	- 19	3	12	34	. 9	
		NEGROS DEL NORTE	0	0	0	0		
		sub-totel	38	9	21	68	13	217
VII		CEBU NEGROS ORIENTAL	4	0 2	1	5	14	50
		BOHOL	0	0	0	0		0
		SIQUIJOR	3	1	0	4	25	80
		sub-total	19	3	1	23	13	60
νш		NORTHERN SAMAR	33	2	5	40	5	85
		SAMAR EASTERN SAMAR	15 10	U Q	-			-
		en ave arenal with with			2	12	0	•
		NORTHERN LEYTE	37	· 6	2 0	12.	0 14	32
	51	SOUTHERN LEYTE	37 3	6	0	43	14 25	29
	51 52	SOUTHERN LEYTE sub-total	37 3 	6 1 9	0 0 11	43 4 118	14 25 8	29
IX .	51 52 53	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE	37 3 98 13	6	0 0 11 0	43 	14 25 8 0	29 37 31
IX	51 52 53 54	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR	37 3 	6 1 9	0 0 11	43 4 118	14 25 8	29
IX .	51 52 53 54 55	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE	37 3 98 13 8 0 4	6 1 9 0 4	0 0 11 7 0 0	43 4 118 13 19 0 4	14 25 8 0 21 0	29 37 31 63 0 0
IX	51 52 53 54 55 56	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI	37 3 98 13 8 0 4 2	6 1 9 0 4 0 0 2	0 0 11 0 7 0 0 0 8	43 4 118 13 19 0 4 4	14 25 0 21 0 50	29 37 31 63 0 0 49
•	51 52 53 54 55 56 57	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total	37 3 98 13 8 0 4 2 27	6 1 9 0 4 0 0 2 6	0 0 11 0 7 0 0 0 8 7	43 4 118 13 19 0 4 4 40	14 25 8 0 21 	29 37 31 63 0 0 49 51
IX X	51 52 53 54 55 56 57 58	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI.TAWI sub-total SURIGAO DEL NORTE	37 3 98 13 8 0 4 2 27 9	6 1 9 0 4 0 0 2	0 0 11 0 7 0 0 0 8	43 4 118 13 19 0 4 4 40 19	14 25 0 21 0 50	29 37 31 63 0 0 49
•	51 52 53 54 55 56 57 58 58 59	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total	37 3 98 13 8 0 4 2 27	6 1 9 0 4 0 0 2 2 6 8	0 0 11 0 7 0 0 8 7 2	43 4 118 13 19 0 4 4 40	14 25 8 0 21 0 50 15 42 33	29 37 31 63 0 0 49 51 40 - 46
-	51 52 53 54 55 56 57 58 59 60 61	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS ORIENTAL	37 3 98 13 8 0 4 2 27 9 0 16 9	6 1 9 0 4 0 0 2 2 6 8	0 0 11 0 7 0 0 8 7 2	43 4 118 13 19 0 4 4 40 19 6 24 13	14 25 8 0 21 0 50 15 42 33 31	29 37 31 63 0 49 51 40 - - - - - - - - - - - - - - - - - -
-	51 52 53 54 55 56 57 58 59 60 61 62	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI.TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS OCCIDENTAL MISAMIS OCCIDENTAL	37 3 98 13 8 0 4 2 27 9 0 16 9 2	6 1 9 0 4 0 0 2 5 6 8 0 8 4 1	0 0 11 7 0 0 0 0 7 7 2 0 6 0 0 0 0	43 4 118 13 19 0 4 40 19 6 24 13 3	14 25 8 0 21 0 50 15 42 33 31 33	29 37 31 63 0 0 49 51 40 - 46 34 70
. <u>-</u>	51 52 53 54 55 56 57 58 59 60 61 62 63	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS OCCIDENTAL BUKIDNON	37 3 98 13 8 0 4 2 27 9 0 16 9 2 34	6 1 9 0 4 0 0 2 5 6 8 0 8 4 1 5	0 0 11 0 7 0 0 8 7 2	43 4 118 13 19 0 4 4 40 19 6 24 13	14 25 8 0 21 0 50 15 42 33 31	29 37 31 63 0 49 51 40 - - - - - - - - - - - - - - - - - -
-	51 52 53 54 55 56 57 58 59 60 61 62 63	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI.TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS OCCIDENTAL MISAMIS OCCIDENTAL	37 3 98 13 8 0 4 2 27 9 0 16 9 2	6 1 9 0 4 0 0 2 5 6 8 0 8 4 1	0 0 11 7 0 0 0 0 7 7 2 0 6 0 0 0 0	43 4 118 13 19 0 4 40 19 0 24 13 3 41	14 25 8 0 21 0 50 15 42 33 31 33 31 33 12	29 37 31 63 0 0 49 51 40 - 46 34 70 99 54 54
•	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE CAMIGUIN AGUSAN DEL NORTE MISAMIS OCCIDENTAL MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR	37 3 98 13 8 0 4 2 27 9 0 16 9 2 34 23 93 15	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0	0 0 11 7 0 0 0 0 7 2 0 0 0 0 0 0 0 0 2 1 5 2	43 4 118 13 19 0 4 40 19 0 24 13 3 41 25 126 17	14 25 8 0 21 0 50 15 42 33 31 33 31 33 12 8 8 22 0	29 37 31 63 0 49 51 40 - 46 34 70 99 54 54 0
x	51 52 53 54 55 56 57 57 58 59 60 61 62 63 64 65 65 66	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL	37 3 98 13 8 0 4 2 27 9 0 16 16 9 2 34 23 34 23 93 15 13	6 1 9 0 4 0 0 2 6 8 8 0 8 4 1 5 2 28 0 0 0 0	0 0 11 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	43 4 118 13 19 0 4 4 40 19 0 4 40 19 0 24 13 3 41 25 126 17 14	14 25 8 0 21 0 50 15 42 33 31 33 31 33 12 8 22 0 0	29 37 31 63 0 0 49 51 40 46 34 70 99 54 54 54 0 0
x	51 52 53 54 55 56 57 58 59 60 61 62 63 64 63 64 65 66 67	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE	37 3 98 13 8 0 4 2 27 9 0 16 9 2 2 34 23 93 15 13 5	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4	0 0 11 6 7 6 6 7 7 2 0 0 0 0 0 0 0 0 2 1 5 5 2 1 0 0	43 4 118 13 19 0 4 4 40 19 0 4 40 19 0 24 13 3 41 26 126 17 14 9	14 25 8 0 21 0 50 15 42 33 31 33 31 33 12 8 22 0 0 44	29 37 31 63 0 0 49 51 40 40 46 34 70 99 54 54 0 121
x	51 52 53 54 55 55 55 55 55 55 55 55 57 58 59 60 61 62 63 64 65 66 67 68	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUB-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR SUB-total SURIGAO DEL SUR DAVAO ORENTAL DAVAO DEL NORTE DAVAO DEL SUR	37 3 98 13 8 0 4 2 27 9 0 16 9 2 34 23 93 15 13 5 2	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4 5	0 0 11 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	43 4 118 13 19 0 4 4 40 19 6 24 13 3 41 25 126 17 14 9 7	14 25 8 0 21 0 50 15 42 33 31 33 31 33 12 8 22 0 0 0 44 71	29 37 31 63 0 0 49 51 40 - 46 34 70 99 54 54 54 0 0 121 76
x	51 52 53 54 55 55 55 55 55 55 55 55 57 58 59 60 61 62 63 64 65 66 67 68	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE	37 3 98 13 8 0 4 2 27 9 0 16 9 2 2 34 23 93 15 13 5	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4	0 0 11 7 6 7 7 2 0 0 0 0 0 0 0 2 1 5 2 1 0 0	43 4 118 13 19 0 4 4 40 19 0 4 40 19 0 24 13 3 41 26 126 17 14 9	14 25 8 0 21 0 50 15 42 33 31 33 31 33 12 8 22 0 0 44	29 37 31 63 0 0 49 51 40 46 34 70 99 54 54 54 54 0 0 121 76 84
x	51 52 53 54 55 56 57 58 59 60 61 62 63 64 64 65 65 66 67 65 68 69 70	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS ORIENTAL MISAMIS ORIENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL NORTE	37 3 98 13 8 0 4 2 27 9 0 16 9 2 2 34 34 23 93 15 13 5 2 8 8 33 17	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4 5 2 28 0 0 4 5 2 1 5 1	0 0 11 6 7 6 6 7 7 2 0 0 0 0 0 0 0 0 2 1 5 5 2 1 0 0 0 2 1 1 5 2 1 0 0 0 2 1 1 4 4 4	43 4 118 13 19 0 4 4 40 19 0 24 13 3 41 26 126 17 14 9 7 25 72 22	14 25 8 0 21 0 50 15 42 33 31 33 12 8 22 0 0 44 71 24 21 5	29 37 31 63 0 0 49 51 40 - 46 34 70 99 54 54 - 54 - 54 - 54 - 54 - 54 - 54 - 54 - 54 - 54 - 55 - 56 - 56 - 56 - 57 - - - - - - - - - - - - -
x	51 52 53 54 55 56 57 57 57 58 59 60 61 62 63 64 65 65 66 67 68 69 70 71	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUB-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS ORTENTAL MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR SUB-total SURIGAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL NORTE LANAO DEL SUR	37 3 98 13 8 0 4 2 27 9 0 16 9 2 34 23 93 15 13 5 2 18 53 17 22	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4 5 6	0 0 11 7 0 0 0 7 2 0 0 0 0 0 0 0 0 0 2 1 5 2 1 0 0 0 1 5 2 1 0 0 0 1 4 4 4	43 4 118 13 19 0 4 4 40 19 6 24 13 3 41 25 126 17 14 9 7 25 72 29	14 25 8 0 21 - - - - - - - - - - - - -	29 37 31 63 0 0 49 51 40 - 46 34 70 99 54 54 54 0 0 0 121 76 76 84 121
x	51 52 53 54 55 55 57 57 58 59 60 61 62 63 64 64 65 66 67 68 69 70 71 72	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI.TAWI sub-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR SURIGAO DEL SUR DAVAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL SUR SUD-total LANAO DEL SUR NORTH COTABATO	37 3 98 13 8 0 4 2 27 9 0 16 9 2 34 23 93 15 13 5 2 18 53 17 22 6	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4 5 2 28 0 0 4 5 2 1 5 1	0 0 11 7 0 0 0 7 2 0 0 0 0 2 2 0 0 0 0 2 1 5 5 2 1 0 0 0 1 4 4 4 7 0	43 4 118 13 19 0 4 4 40 19 0 24 13 3 41 25 126 17 14 9 7 25 72 29 77	14 25 8 0 21 0 50 15 42 33 31 33 12 8 22 0 0 0 44 71 24 21 5 10 1	29 37 31 63 0 0 49 51 40 - 46 34 70 99 54 54 0 0 0 121 76 76 84 65 121 10
x	51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 64 65 66 66 67 68 69 70 71 71 72 73	SOUTHERN LEYTE sub-total ZAMBOANGA DEL NORTE ZAMBOANGA DEL SUR BASILAN SULU TAWI-TAWI SUB-total SURIGAO DEL NORTE CAMIGUN AGUSAN DEL NORTE MISAMIS ORTENTAL MISAMIS OCCIDENTAL BUKIDNON AGUSAN DEL SUR sub-total SURIGAO DEL SUR SUB-total SURIGAO DEL SUR SOUTH COTABATO SUB-total LANAO DEL NORTE LANAO DEL SUR	37 3 98 13 8 0 4 2 27 9 0 16 9 2 34 23 93 15 13 5 2 18 53 17 22	6 1 9 0 4 0 2 6 8 0 8 4 1 5 2 28 0 0 4 5 2 28 0 0 4 5 2 1 5 1	0 0 11 7 0 0 0 7 2 0 0 0 0 0 0 0 0 0 2 1 5 2 1 0 0 0 1 5 2 1 0 0 0 1 4 4 4	43 4 118 13 19 0 4 4 40 19 6 24 13 3 41 25 126 17 14 9 7 25 72 29	14 25 8 0 21 - - - - - - - - - - - - -	29 37 31 63 0 0 49 51 40 - 46 34 70 99 54 54 54 0 0 0 121 76 76 84 121

VIABILITY OF IAS: CIS

(Unit : Nos.)

legion .		Province			Viability of IA		Unknown	
			Excellent	Good	Fair	Poor	and the second second second second second second second second second second second second second second second	Total
1	1	ILOCOS NORTE	ß	86	14	2 0	9 27	119 37
	2	ABRA	2	8	0	6	1	70
	3	ILOCOS SUR	1	48	14 2	0	. 1	8
1	4	MOUNTAIN PROVINCE	0	5	19	1	2	39
	5	LA UNION	0	17	2	1	1	9
	6	BENOUET	0	5	13	. 0	152	178
	1	PANGASINAN	3	10	64	10	193	460
		Sub-total	14	179		<u> </u>	0	0
Ш	8	BATANES	ò	0	Û	9	33	105
	9	CAGAYAN	ò	10	53		. 20	64
	10	KALINGA APAYAO	.0	13	29	2		47
	11	ISABELA	1	12	11	4	19	35
	12	IFUGAO	1 .	l .	24	4	5	
	13	NUEVA VISCAYA	0	91	29	. 1	10	131
	14	QUIRINO	0	. 9	9	9	2	29
. 1		latot-dua	2	136	155	29	89	411
Щ	15	NUEVA ECIJA	0	4	6	2	31	
	16	TARLAC	0	8	20	- 4	- 4	36
	- 17	ZAMBALES	0	4	5	1	0	10
	18	PAMPANGA	0	35	14	1	23	73
	19	BULACAN	0	- 4	8	0	6	18
		BATAAN	: 0	- 13	10	1	6	30
	•••••	sub-total	0	68	63	9	70	210
īv	21	AURORA	0	12	4	0	23	39
	22	QUEZON	0	7	4	1	26	38
		RIZAL	0	17	2	0	D	19
		CAVITE	0	0	4	0	1	5
		LAGUNA	0	12	5	0	8	25
			1	12	4	0	5	. 22
	27	MARINDUQUE	0	3	1	0	1	. 5
	28	MINDORO ORIENTAL	1	n	3	1	32	48
	29	MINDORO OCCIDENTAL	1	.8	2	1	42	54
	30	ROMBLON	0	2	ō	0	0	2
		PALAWAN	0	10	8	7	16	41
1		sub-total	3	94	37	10	154	298
v	32	CAMARINES NORTE	0	14	0	0	4	18
,	33	CAMARINES SUR	9	23	25	5	34	95
·		CATANDUANES	Ó	3	4	. 0	2	. 9
			0	13	7	. 0	- 58	78
- 1		SORSOGON	õ	17	10	3	4	34
		MASBATE	õ	10	3	. 1	5	19
		sub-total	ğ	80	49	9	107	254
VI	38	AKLAN	0			0	1	14
••	39	CAPIZ	õ	6	6	0	0	12
		ANTIQUE	4	15	15	3	4	41
		ILOILO	÷ û	13	.5	ĩ	11	34
		NEGROS OCCIDENTAL	0	- 10	ź	ō	0	17
		NEGROS DEL NORTE	ů	0	, 0	ů 0	0	0
		sub-total	4	49	45		16	118
va	44	CEBU		7	4		0	11
111		NEGROS ORIENTAL	ů	16	6	ů.	4	26
		BOHOL	2	7	9	2	19	39
			0	0	, 0	0	, o	0
	41	SIQUIJOR Dib total	2	30	19	2	23	76
-	- 10	Sub-total		30	1	<u> </u>		
/III		NORTHERN SAMAR	0	3	6	. 2		10
		SAMAR	0.	0	ь 1	0	1	. 2
		EASTERN SAMAR	0	30	31	8	. 31	101
		NORTHERN LEYTE	1	30		a 0	31	20
	52	SOUTHERNLEYTE	0	44	7	10	45	146
		sub-total	1		46		43 	140
IX		ZAMBOANGA DEL NORTE	0	7	5	2	5	51
		ZAMBOANGA DEL SUR	0.	22	23	1.		2
		BASILAN	0	0	1	0		
		SULU	0	0	0	0	0	0
	57	TAWI-TAWI	0	0	8	.0	0	0
		sub-total	0	29	29	3	1	68
X		SURIGAO DEL NORTE	2	8	4	0	8	22
		CAMIGUIN	0	0	2	1	0	3
		AGUSAN DEL NORTE	1	12	14	5	11	43
		MISAMIS ORIENTAL	1	6	7	0	2	16
		MISAMIS OCCIDENTAL	0	15	4	0	1	20
		BUKIDNON	0	14	11	3	3	31
	64	AGUSAN DEL SUR	0	8	3	. 0	5	16
		sub-total	4	63	45	9	30	151
XI	65	SURIGAO DEL SUR	1	9	7	5	Ó	22
		DAVAO ORIENTAL	Q	7	2	- 1	2	12
		DAVAO DEL NORTE	Û	4	7	· 0	4	15
		DAVAO DEL SUR	2	23	4	1	2	32
		SOUTH COTABATO	0	18	12	1	0	31
	<u> </u>	sub-total	3	61	32	8	8	112
XII	70	LANAO DEL NORTE	3	8	4	1	4	20
		LANAO DEL SUR	0	3	1	· 1	5	10
		NORTH COTABATO	ů ·	8	14	2	0	24
		MAGUINDANAO	. 2	18	11	4	8 .	43
		SULTAN KUDARAT	0	12	4	0	6	22
		sub-total	5	49	34	8	23	119
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B2 - 26

IRRIGATION DEVELOPMENT COST PER HA: CIS (AT A 1990 PRICE LEVEL)

(Unit : nos.)

						tion Development		na)		
Region		Province	0	18,00		00 55,0		r Unknow	n Total	Average (Peso/ha)
			18,000	35,00	1 0 55,0		0vv 00 100,0			(resoyna)
I	1	ILOCOS NORTE	10	6	and the second second second second second second second second second second second second second second secon	2	2	0 99	119	19,828
	2	ABRA	1	. 4				0 32 1 55	37 70	25,958 40,205
	3	ILOCOS SUR MOUNTAIN PROVINCE	S D	3		3	5	1 55 0 0	8	45,802
	4	LA UNION	6	- 2		-	-	0 30	39	17,377
• •	6	BENGUET	1	5		2 (D	0 I	9	27,385
	. 7	PANGASINAN	10	1				0 167	178	9,173
		Sub-total	33	22				1 <u>384</u> 0 0	4600	25,950
II	8	BATANES CAGAYAN	0	0				0 0 0 98	105	17,379
	9. 10	KALINGA APAYAO	3	2				0 59	64	16,240
		ISABELA	9	5		3 :	2	0 28	47	26,476
		IFUGAO	4	4		4 i		0 23	35	26,637
		NUEVA VISCAYA	2	4		-		0 121 0 18	- 131	34,252
	14	QUIRINO	<u>9</u> 31	0	the second second second second second second second second second second second second second second second s	And in case of the local division of the loc	and the second se	0 18 0 347	29 411	15,086
ш	15	sub-total NUEVA ECUA	4	1	1			0 37	43	13,403
14		TARLAC	9	0				0 27	36	7,231
		ZAMBALES	4	0				0 6	10	4,099
÷		PAMPANGA	7	0			-	0 66	73	3,970
•		BULACAN	1	0		-	-	0 17 0 29	18 30	4,688 5,370
	20	BATAAN sub-total	26	1				0 182	210	7,134
IV	21	AURORA	2	· · ·			the second second second second second second second second second second second second second second second s	0 30	39	26,736
		QUEZON	D	1		1		0 36	38	39,619
1	23	RIZAL	1	0		-		0 18	19	8,895
		CAVITE	0	0		0	0. 0.	1 4 0 17	5 25	113,309 10,584
		LAGUNA BATANGAS	5 1	2		ບ ' ຳ		0 16	22	36,139
		MARINDUQUE	2	2	I	-	•	0 2	5	20,310
		MINDORO ORIENTAL	- 8	2		0	õ	0 38	48	12,288
		MINDORO OCCIDENTAL	3	. 1		0	0	0 50	54	15,796
	30	ROMBLON	0	0		-		1 0	2	172,948
	31	PALAWAN	2					0 <u>35</u> 2 246	<u>41</u> 298	33,970
	24	sub-total CAMARINES NORTE	25	14			Contraction of the Contract of	2 246 0 9	18	29,621
¥ .	32 33	CAMARINES SUR	s	3		-		0 86	96	21,045
		CATANDUANES	3	- 1				0 4	9	26,539
		ALBAY	19	. 9		i i	0	0 49	78	13,483
		SORSOGON	14	4				1 14	34	23,647
	37	MASBATE	3	2			and the second se	0 14	19	16,935
		sub-total	49	21		and the second se		1 176 0 5	<u>254</u> 14	19,264
۲ ۲		AKLAN CAPIZ	- 6 - 1	.3				0 8	12	37,713
	40	ANTIQUE	. 7	7				0 24	41	22,800
		ILOILO	2	0	I.	2	0	0 30	34	23,851
		NEGROS OCCIDENTAL	. 3	5				0 7	17	28,836
	43	NEGROS DEL NORTE	0	0			-	0 0	0	
VII		sub-total	19 0	16				0 74 1 0	118	23,931 59,547
ATT -	44	CEBU NEGROS ORIENTAL	6	4				0 11	26	27,908
		BOHOL	ŏ	1				0 38	39	24,881
		SIQUIJOR	0	.0		0	0	0 0	0	
÷.,		sub-total	6	7		6	7	1 49	76	40,686
ΥШ		NORTHERN SAMAR	• 0	1				0 11	13	52,286
		SAMAR	1	0				0 6 0 I	10 2	45,464
		EASTERN SAMAR NORTHERN LEYTE	0 6	0				0 95	101	51,355 8,311
		SOUTHERN LEYTE	2	S				1 10	20	36,439
j. i		sub-total	9	6		5	2	1 123	146	32,698
IX		ZAMBOANGA DEL NORTE	2	1				0 10	15	31,009
1.1		ZAMBOANGA DEL SUR	1	. 5				0 43	51	29,78
		BASILAN	0	0				0 1 0 0	2 0	46,061
÷.,		SULU TAWI-TAWI	0		11 A. A. A. A. A. A. A. A. A. A. A. A. A.			0 0	0 :	
	<u></u>	sub-total		6	<u> </u>			0 54	68	31,380
x	58	SURIGAO DEL NORTE	0	. 0				0 22	22	-
	59	CAMIGUIN	3	0				0 0	3	13,40
		AGUSAN DEL NORTE	: 9	4		-		1 23	.43	37,18
		MISAMIS ORIENTAL	. 8	1		0		1 5	16 20	27,220
		MISAMIS OCCIDENTAL BUKIDNON	9 7	2				0 10 0 20	20	12,040 17,581
		AGUSAN DEL SUR	12	20		-		0 20	16	16,51
• •		aub-total	48	8	the second second second second second second second second second second second second second second second s			2 81	151	23,499
XI	65	SURIGAO DEL SUR	9	6	and the second se			2 3	22	29,46
	66	DAVAO ORIENTAL	. 1	• 0				1 10	12	65,18.
•		DAVAO DEL NORTE	0	. 0				1 12	15	793,16
÷ .		DAVAODELSUR	4	2				0 24	32	27,80
	69	SOUTH COTABATO	11	5				1 8 5 57	31	29,90
XII	70	sub-toial	25	13				5 57 0 14	112	71,10
<u>ли</u> .		LANAO DEL SUR	2	4				0 14	10	21,18
		NORTH COTABATO	6	1				36	24	41,14
		MAGUINDANAO	. 6	. î				0 28	43	23,61
		SULTAN KUDARAT	1	2				2 9	22	\$9,06
		sub-total	17	20		0	4	5 63	119	37,05

Table B2-17

IRRIGATION DEVELOPMENT COST PER HA: CIP (AT A 1990 PRICE LEVEL)

(Unit : nos.)

		•	<u> </u>			evelopment Cost p	AL DE LE CEORDE)			 Average
egion		Province	0	18,000 I	35,000	55,000 I	Over	Unknown	Total	(Peso/aa)
			18,000	35,000	55,000	100,000	100,000	0	0	
1	1	ILOCOS NORTE	: 0	0	0	0	. U Q	16	17	23,000
	2	ABRA	0	. 4	6	1	. 0	40	51	41,315
	3	HOOOS SUR	0	3	2	•	õ	38	44	39,191
	4	MOUNTAIN PROVINCE	0	0	1	o o	ů.	26	27	45,857
	3	LA UNION	1	ŏ	4	ĩ	õ	36	42	45,999
	6	BENGUET	, o	ĩ	0	ů.	i	1	3	63,227
1.		PANOASINAN	ĭ		13		1	157	184	42,997
-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Sub-total BATANES	0	0	0	0	0	0	0	•
п	8		Ö	ů	0	1	0	65	66	64,056
	9	CAGAYAN KALINGA APAYAO	õ	1	2	0	0	40	43	38,399
			ő	0	ĩ	0	0	43	44	35,306
	11	ISABELA	2	1	. 0	ů	Ő	43	46	15,425
		IFUGAO	0	•	0	- 0	Ō	13	13	
		NUEVA VISCAYA	0	0	0.	ŏ	Ō	41	41	
	14			and the second se	3	1	0	245	253	32,604
		sub-total	. 2	20		0		1	1	• :
ш		NUEVA ECUA			0	ő	ő	3	. 3	
		TARLAC	0	0	0	ő	· · · o	ō	ι ο · ·	
			. 0	0	0	ŏ	÷ŏ	17	20	8,043
		PAMPANGA	3	0	0	0	ő	3	4	9,073
		BULACAN	1	0		Ö	ů	0	Ó	
	20	BATAAN	0	0	0	0		24	28	8,301
-		sub-tote)	. 4	0		0	Q		10	38,550
IV	21		0	1	2	.0	õ	9	- 16	38,363
		QUEZON	·] ·	3	. 0	0	0	ő	10	33,333
		RIZAL	0	1	· U.	. 0		4	6	37,500
		CAVITE	0	1	1				2	36,754
		LAGUNA	1	0	0	1	v	16	21	51,900
1		BATANGAS	1	1	2		1	0	0	31,500
		MARINDUQUE	• •	0	0	U	U	16	18	44,280
	28	MINDORO ORIENTAL	- 0	1	0	1	Ų .	8	18	17 881
	29		4	3	0	0	0	8 1	13	57,063
	30	ROMBLON	: 0	0	0	1	0			29,664
· ·	31	PALAWAN	1		2	0	0	92	96	
		sub-total	8	12	8	4		154	187	35,649
Y	32	CAMARINES NORTE	4	2	0	0	0	57	63	11.618
•	33	CAMARINES SUR	9	3	0	0	Q ·	18	30	13,491
	34	CATANDUANES	0	0.	0	0	0	1	1	•
. t.	35	ALBAY	• 3	- 6	0	0	· 0	39	48	17,225
	36	SORSOGON	- 2	. 2	1	0	. 0	2	7	23,743
	37	MASBATE	0	0	0	0	0	8	8	<u> </u>
		sub-total	18	13	1	0	0	125	157	15,792
VI	38	AKLAN	0	1	1	0	· 0	0	2	39,574
	39	CAPIZ	0	0	a	0	0	10	10	•
	40	ANTIQUE	0	1	ł	· 1	0	16	19	48,104
	41	11.011.0	0	1	. 0	6	۵.	2	3	26,248
÷	42	NEGROS OCCIDENTAL	2	7	5	. 1	0	22	34	31,767
	43	NEGROS DEL NORTE	0	0	0	0	0	0	0	•
		sub-total	2	10	4	2	0	50 .	68	35,050
VΠ	44	CEBU	0	1	1	0	0	3	3	29,004
	45	NEGROS ORIENTAL	0	1	2	0	· D	11	14	37,824
	46	BOHOL	0	0	0	0	0	0	0	•
	47	SIQUIJOR	0	0	0	- 1	0	3	4	75,000
		sub-total	0.	2	3	1	0	17	23	41,080
'III	48	NORTHERN SAMAR	- 0	0	2	0	. 0	38	40	49,061
		SAMAR	1.	· 1	1		0	16	19	32,136
		EASTERN SAMAR	0	3	1	1	0	9	12	40,288
		NORTHERN LEYTE	i	1	0	.0	0	. 41	43	11,495
		SOUTHERN LEYTE	0	1	1	11	0	1	4	52,235
		sub-tolz!	2	4	s	2	0	105	118	38,083
x	53	ZAMBOANGA DEL NORTE	0	1	2	1	0	9	13	40,204
_		ZAMBOANGA DEL SUR	0	2	()	0	0	17	19	27,950
		BASILAN	Ö	0	0	Û	0	0	0	
		SULU	ç	š	0	ů.	. 0	3	4	31,993
		TAWI-TAWI	ŏ	. 0	ĩ	ő	ŏ	3	4	47,131
		sub-total	Ŏ	4		1		32	40	36,980
<u>x</u>	59	SURIGAO DEL NORTE	<u>0</u>	0	2		0	17	19	37,454
••		CAMIGUIN	Ū.	õ	0	0 ·	0	0	0	
		AGUSAN DEL NORTE	2	. 2	1	ő		18	24	36,204
	61		0	1	i	0	0	n -	13	34,281
		MISAMIS OCCIDENTAL	Ö	o	0	ő	· Ó	3	3	
	6.7	BUKIDNON	- 2	7	3	õ	ů	29	41	26,004
			1	4	1	1	ŏ	19	26	29 912
	63							97	126	30,418
		AGUSAN DEL SUR		- 14	0		0	14	17	35,849
a	63 64	AGUSAN DEL SUR	5	142	A		v	. a-1		
a	63 64 65	AGUSAN DEL SUR sub-total SURIGAO DEL SUR	5	2	0			10	14	41.009
ki -	63 64 65 66	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL	5 0 2	2	0	· 0	1	10	. 14 G	41,098
KI	63 64 65 66 67	AGUSAN DEL SUR RUD-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE	5 0 2 1	2 1 0	0	0	1	1	9	25,076
ki -	63 64 65 66 67 68	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR	5 0 2 1 1	2 1 0 1	0 1 0	0 0 1	1 0 0	7	9	25,076 34,129
<u>.</u>	63 64 65 66 67 68	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO	5 0 2 1 1 0	2 1 0 1 3	0 1 0 0	0 0 1 0	1 0 0	7 4 22	9 7 25	25,076 34,129 26,374
	63 64 65 66 67 68 69	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-total	5 0 2 1 1 0 4	2 1 0 1 3 7	0 1 0 0	0 0 1 0 2	1 0 0 0 0	7 4 22 57	9 7 25 72	25,076 34,129 26,374 33,573
	63 64 65 66 67 68 69 70	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-total LANAO DEL NORTE	5 0 2 1 1 0	2 1 0 1 3 7 1	0 1 0 0 1 1	0 0 1 0 2 0	1 0 0 0 1 0	7 4 22 57 19	9 7 25 72 22	25,076 34,129 26,374 <u>33,573</u> 24,501
	63 64 65 66 67 68 69 70	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-total	5 0 2 1 1 0 4	2 1 0 1 3 7 1 2	0 1 0 0 1 1 0	0 0 1 0 	I 0 0 0 0 1 0 0	7 4 22 57 19 26	9 7 25 72 22 29	25,076 34,129 26,374 33,573 24,501 17,975
ka 	63 64 65 66 67 68 69 70 71	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-total LANAO DEL NORTE	5 0 2 1 1 0 4 1	2 1 0 1 3 7 7 1 2 3	0 1 0 0 1 1 0 0	0 0 1 0 2 0	1 0 0 0 0 0 0	7 4 22 57 19 26 73	9 7 25 72 22 29 77	25,076 34,129 26,374 33,573 24,501 17,975 35,073
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	63 64 65 66 67 68 69 70 71 71 72	AGUSAN DEL SUR sub-total SURIGAO DEL SUR DAVAO ORIENTAL DAVAO DEL NORTE DAVAO DEL SUR SOUTH COTABATO sub-total LANAO DEL NORTE LANAO DEL SUR NORTH COTABATO	5 0 2 1 1 0 4 1 1 3 0	2 1 0 1 3 7 7 1 2 3	0 1 0 0 1 1 0 0	0 0 1 0 2 0 0 0	1 0 0 0 0 0 0	7 4 22 57 19 26 73	9 7 25 72 22 29 77	25,076 34,129 26,374 33,573 24,501 17,975 35,073

ECONOMIC INTERNAL RATE OF RETURN (EIRR): CIS

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	2	ABRA	C)	0 1	0 2	1	-	1 2	31	37	30.
	3	ILOCOS SUR	6		-	3 3	1	-	3 4	55	20	26.
	4	MOUNTAIN PROVINCE	· C		•	0 7	1		0 0	0	8	18.
	5	LA UNION	· C		0	1 1	1		1 6	29	39	32.
	6	BENGUET	0		•	0 1	1	-	2 4	1 166	9 178	30. 34.
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		and and and and and and and and and and				2 3			3 9	185	210	26
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		PALAWAN				2 <u> </u>	1		0 <u>1</u> 6 24	222	298	28
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		ALBAY	č		0	1 3	ē		5. 13	50	78	35
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vi	38	AKIAN	(0	1 2			0 7	1	14	34
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vn		sub-total				1 3			2 0	0	110	20
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лī	48	NORTHERN SAMAR) (0	6 4	(j	1 0	2	13	17
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		AGUSAN DEL NORTE	0			3 2	1		3 4	24	43	30
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	63	BUKIDNON	0	) (	D .	i 1	(	) .	1 3	25	31	45
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		MAGUINDANAO	0			1 2	. 2		4 11	23	43 22	30 34
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## ECONOMIC INTERNAL RATE OF RETURN (EIRR): CIP

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3 ALAUTE         0         0         2         1         0         0         3         6           22 DATANGAS         0         0         1         0         0         1         0         2           24 DATANGAS         0         0         1         0         0         1         1         0         2           25 MANDUQUE         0         0         1         0         1         1         15         18           29 MINDORO OCELENTAL         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1					-		-	-					14.0
23         LATURA         0         0         0         1         0         2           25         LATURA         0         0         1         0         1         1         1         2           25         MARNDUQUE         0         0         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1													15.3
25         LAUANNO         0         1         0         3         1         16         21           29         MINDORO ORLENTAL         0         0         1         0         0         1         15         18           29         MINDORO ORLENTAL         0         0         1         0         1         15         18           29         MINDORO ORLENTAL         0         0         1         0         0         1         15         18           30         RAMAN         0         0         4         4         5         0         0         1         1         5         50           31         CAMARDIS CORENTAL         0         0         1         0         1         0         1         0         1         1         5         50           31         CAMARDIS CORENTAL         0         0         1         0         1         0         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1								•	•			-	30.8
20         DAAMNONGE         0         0         0         0         1         15         18           20         MENDORO OCCIDENTAL         0         0         0         1         1         15         18           20         MENDORO OCCIDENTAL         0         0         0         1         1         15         15           31         PALAWAN         0         0         4         4         3         0         80         54           11         13         4         140         11         4         57         53           31         CAMARNES NORTE         0         0         1         1         4         57         53           33         CAMARNES NORTE         0         0         1         0         1         4         4         4         14         12         12         7         4         7         43           34         CATARDARS NORTE         0         1         0         0         0         1         10         10         10         10         10         10         10         10         10         10         10         10         10         10							•				-		25.8
2         Induced years         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         <									•				
Distribution occurstrat.         0         0         2         3         2         0         8         15           30         DALAWAN         0         0         4         4         3         0         10         2           releval         0         0         0         0         11         14         440         107           releval         0         0         0         1         1         4         37         633           31         CAMARNES NORTE         0         0         0         1         1         4         37         633           33         CATABUAYES         0         0         2         2         0         3         1         4         4         4         14         127         17           34         CATABUAYES         0         0         1         0         0         0         0         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10 <td></td> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td>••</td> <td></td> <td></td> <td></td> <td></td> <td></td>								••					
29         BALGEDAL         0         0         0         1         0         0         1         2           31         DALAMAN         0         0         4         4         5         0         10         11         13         4         140         147           V         DALARMES         0         0         0         1         1         4         140         147           31         CAMARDES SUR         0         0         1         0         1         1         4         10         1           35         CAMARDES SUR         0         0         2         3         2         4         0         3         4           35         SOBOGON         0         1         0         0         0         0         0         0         1         4         4         6         14         12         137           36         SOBOGON         0         1         0         0         0         0         0         1         0         0         1         10         10         10         11         13         4         10         13         14         10 <th1< td=""><td></td><th></th><td></td><td></td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></th1<>					-		-						
30         RUBBAND         0         0         4         4         5         3         0         80         56           31         PALAWARDS NORTE         0         0         0         1         1         4         57         63           33         CAMARNES SUPR         0         0         1         1         9         18         53           34         CATANDIANES         0         0         0         1         1         9         18         50           35         ALBAY         0         0         2         3         2         4         37         MASATE         0         1         0         0         0         7         7           MASATE         0         1         0         0         0         0         0         0         0         0         1         1         0         0         2         3         7         14         4         4         8         14         122         157         14         18         10         1         0         0         0         0         0         10         13         14         13         14         10									- •	-, -			
J. PLOSIMI PARCIAL         0         0         1         1         4         100         117           V         Q. CAMARINES SORTE         0         0         1         0         1         4         57         63           33         CAMARINES SORTE         0         0         1         0         1         9         18         50           34         CAMARINES SORTE         0         0         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		30	ROMBLON										
V         12         CAMARINES FORTE         0         0         1         1         4         57         63           33         CAMARINES SUP         0         0         0         0         1         1         9         18         30           34         CATANUNNIS         0         0         0         0         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td></td> <th>31</th> <td>PALAWAN</td> <td>-</td> <td>and the second second second second second second second second second second second second second second second</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		31	PALAWAN	-	and the second second second second second second second second second second second second second second second								
13         CAMARINES SUB         0         1         0         1         1         9         18         30           34         CATANDUANIS         0         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         1         0         0         0         0         0         0         1         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td< td=""><td></td><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>the second second second second second second second second second second second second second second second se</td></td<>													the second second second second second second second second second second second second second second second se
3         CATANOLATION         0         0         0         0         1         0         1           35         CATANOLATION         0         0         1         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         0         7         8           37         MASBATE         0         1         4         4         4         4         1         12         157           VI         38         AKLAN         0         0         1         0         0         1         0         0         1         1         0         0         1         1         1         0         0         1         1         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	V									-			
3         CLDAY         0         0         2         3         2         4         0         37         48           3         SORSDON         0         0         1         0         0         0         0         7         8           3         MASATE         0         1         0         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         1         0         0         0         1         0         0         0         0         0         0         0         0         0         0         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0					-								46.0
S. A.D.SOON         C         N         V         2         6         3         7           VI         SARATS         0         1         4         4         8         14         122         197           VI         SARATS         0         0         0         0         0         0         0         2           VI         SARAT         0         0         0         0         0         0         0         2           VI         SARAT         0         0         0         0         0         0         0         0         0         10         0         0         10         0         0         13         34           4         CERCONDENTAL         0         0         0         0         0         0         0         0         10         3         34           4         DEGROS ORDENTAL         0         1         0         0         3         3         7         14           4         DEGROS ORDENTAL         0         1         0         1         1         1         1         1         1         1         1         1         1         1<		34	CATANDUANES				-						
30         SUMPART         0         0         0         0         7         8           37         MARSATE         0         1         4         4         5         14         122         157           4         ANTAU         0         0         0         0         0         0         10         10           4         MARSATE         0         0         0         0         0         10         10           4         MARSATE         0         0         1         0         0         17         35           4         MEGROS OCCENENTAL         0         0         6         7         8         0         0         3         3           VIT         44         DEGROS OCCENENTAL         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		35	ALBAY		-								
		36	SORSOGON				-						
VI         33         AKLAN         0         0         0         0         0         0         0         0         0         0         0         0         10           40         ANTIQUE         0         0         0         0         0         0         0         0         10         10         0         0         10         10           41         ILDILO         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td></td> <th>37</th> <td>MASBATE</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>Contraction of the local division of the loc</td> <td>the second second second second second second second second second second second second second second second s</td> <td></td>		37	MASBATE					-			Contraction of the local division of the loc	the second second second second second second second second second second second second second second second s	
1         3         CARZ         0         0         0         0         0         0         10         10           40         ANTIQUE         0         0         0         0         0         0         10         10           41         ILGILO         0         0         0         0         17         19           41         ILGILO         0         0         0         0         0         13         34           42         NEGROS DEL NORTE         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0				_									and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
J         Autologie         0         0         1         0         0         0         17         39           41         ILDIDO         0         0         1         0         0         0         13         34           42         NEGROS OCCEDENTAL         0         0         0         0         0         0         0         0         0         0         0           43         NEGROS OCENENTAL         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	VI	38											
A         ILDLO         0         0         0         1         0         0         0         2         3           42         NEGROS OCCIDENTAL         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1         0         0         1         0         0         1         0         0         1         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <th1< th="">         1         1         <th1< th=""></th1<></th1<>		39											_
42       NEGROS OCCIDENTAL       0       0       6       7       8       0       0       13       34         43       NEGROS DEL NORTE       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0		40	ANTIQUE	<b>(</b>	D (	) '	1	-					
43         NEGROS DEL NORTE         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	4.1	41	ILOILO										
		42	NEGROS OCCIDENTAL	. (	0 (	): (	5						
VII         44         CEBU         0         1         0         1         0         3         3         0         7         14           45         NEGROS ORIENTAL         0         1         0         0         3         3         0         7         14           46         BOHOL         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		43	NEGROS DEL NORTE	_									
Ha         Matrix         Description         Description <thdescription< th=""> <thdescription< th=""> <thdescriptio< td=""><td></td><th></th><td>sub-total</td><td>_</td><td></td><td></td><td></td><td>and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se</td><td></td><td></td><td></td><td></td><td></td></thdescriptio<></thdescription<></thdescription<>			sub-total	_				and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se					
AS         BOHOL         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1         1         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td>VD</td> <th>44</th> <td>CEBU</td> <td></td>	VD	44	CEBU										
47         SRQUIDOR         0         0         0         0         0         3         4           wb.total         0         2         0         1         3         4         0         13         23           WIEI 44 NORTIEERS SAMAR         0         0         1         0         0         2         1         15         19           SUBSTEM SAMAR         0         0         1         0         0         2         1         15         19           SUBSTEM SAMAR         0         0         1         0         0         1         1         0         0         1         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1													
rub-total         0         2         0         1         3         4         0         13         23           VII         48 <northern samar<="" th="">         0         0         0         1         0         0         38         40           SAMAR         0         1         0         0         2         1         15         19           SO EASTERN SAMAR         0         1         0         3         0         0         1         1         0         38         40           SO EASTERN SAMAR         0         1         0         1         0         1         1         0         0         1         1         0         43           SOUTHERN LEYTE         0         0         1         3         4         3         2         102         118           IX         35         ZAMBOANGA DEL NORTE         0         0         0         0         0         0         0         0         0         0         15         19           35         SURIGAO DEL NORTE         0         0         0         0         0         0         0         10         1         1         1         &lt;</northern>		- 46	BOHOL										
VIII         48         NORTHERN SAMAR         0         0         1         1         0         38         40           49         SAMAR         0         0         1         0         0         2         1         15         19           50         EASTERN SAMAR         0         1         0         0         1         1         0         0         8         12           51         NORTHERN LEYTE         0         0         1         0         1         0         40         43           52         SOUTHERN LEYTE         0         0         1         3         4         3         3         2         102         118           TX         55         ZAMBOANGA DEL SUR         0         0         0         0         1         0         0         15         19           35         BASILAN         0         0         0         0         0         0         0         0         0         0         1         1         1         1         1         1         29         40           55         SASILAN         0         0         1         4         2		47	SIQUIJOR			and the second second second second second second second second second second second second second second second			the second second second second second second second second second second second second second second second s				
1.4         9         SAMAR         0         1         0         0         2         1         15         19           50         EASTERN SAMAR         0         1         0         3         0         0         0         8         12           51         NORTHERN LEYTE         0         0         1         0         1         0         43           52         SOUTHERN LEYTE         0         1         3         4         3         3         2         102         118           1X         53         ZAMBOANCA DEL NORTE         0         1         6         1         1         9         13           54         ZAMBOANCA DEL NORTE         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0			sub-totsl							· · · · · · · · · · · · · · · · · · ·			
So EASTEN SAMAR         0         1         0         3         0         0         8         12           S1 NORTHEN LEYTE         0         0         1         0         1         0         43           S2 SOUTHEN LEYTE         0         0         1         0         1         1         4           rub-toul         0         1         3         4         3         3         2         102         118           IX         S3 ZAMBOANGA DEL NORTE         0         0         1         6         1         1         1         9         13           S5 SAULU         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1         3         4         3         3         2         40         1         3         4         3         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4         3         4         4         4         4         4         4         5         <	VIII	48	NORTHERN SAMAR	- 4	0 (	) (	D .	-					
51         NORTHEN LEYTE         0         1         0         1         0         1         1         0         43           22         SOUTHERN LEYTE         0         0         1         0         1         0         1         1         4           whould         0         1         3         4         3         3         2         102         118           IX         53         ZAMBOANGA DELNORTE         0         0         1         6         1         1         1         9         13           54         SAMBOANGA DELNORTE         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1         1         1         1         1         1         1         1         1         3         4           55         SUIJ         0         0         0         0         0         0         0         0         0         0         0         0         1         1         1         1         1         29         40           X         StrigGAO DELNORTE         0		49	SAMAR	•	0. (	)			0 - 1	•			
32         SOUTHERNLEYTE         0         1         0         1         0         1         1         4           web-total         0         1         0         1         0         1         1         1         9         13           IX         SAMBOANGA DEL NORTE         0         0         0         1         0         1         1         1         9         13           SA ZAMBOANGA DEL NORTE         0         0         0         0         0         0         0         1         1         1         9         13           SA ZAMBOANGA DEL NORTE         0         0         0         0         0         0         0         0         1         3         4           SUBLOBAL NOR TE         0         0         0         0         0         1         3         29         40           SUBIGAD DEL NORTE         0         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         2         1 </td <td></td> <th>50</th> <td>EASTERN SAMAR</td> <td></td> <td>D · 1</td> <td>L (</td> <td>) :</td> <td>3 .</td> <td>0 (</td> <td>y (</td> <td></td> <td></td> <td></td>		50	EASTERN SAMAR		D · 1	L (	) :	3 .	0 (	y (			
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#### CIS/CIP IN CARP STRATEGIC OPERATION PROVINCES

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I         L.GOS PORTE         II         L.SOB         2.09         32         2.09           2         ADRA         Solver AL         Solver AL <td< th=""><th></th><th>and the second second second second second second second second second second second second second second second</th><th>NOS D</th><th></th><th></th><th>pos.</th><th></th><th></th><th>1106.00</th><th></th><th>•</th><th>1400. 1</th><th></th><th>(u</th></td<>		and the second second second second second second second second second second second second second second second	NOS D			pos.			1106.00		•	1400. 1		(u
2         ABA         No         Lisk         46         16         374           2         LACDA SIGN         1         14         14         14         14         16         38         2.200           2         LACDA SIGN         17         74.402         14         3         20         7         41         12.20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         20         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         1	1	1 ILOCOS NORTE		/uea (ca)	<u></u>				11			36		
3         L.COCS SUR MODIVATING PRODUCE:         10         1.44         19         2.50. 3         2.50. 5           5         L.MONOM         7         4.45         1.83         97         9         1.000           5         L.MONOM         7         4.45         1.334         3.33         3         2.500           7         PANCINSHAN         178         71.400         1.124         3.200         77         4.100         1.124         4.45         1.12         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.124         1.									30	1,366	46	18	744	. 4
4       MONTAIN FROMME       -       -       4       44       12       69       3.536         5       LAUTOR       77       77.09       154       3       200       77       4       13.844       73       3       682         7       LAUTOR       77       97       41       13.844       73       3       682         9       CACATAN       70       97       41       13.84       73       3       682         9       CACATAN       70       64       13.02       13.1       14       12       12       14.1       14       12       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14<									10	1,686	169	26	2,591	10
6         BENGART         7         20         5         38         57         79         1000           7         RACKARAN         77         27.497         154         3         200         77         44         13244         331         2         600           9         CALANA         77         226         54         33         356         21         10         22.494         10         24.490           10         KALKOKA ARVADO         64         5.02         84         43         5502         129         15         3314         64         44         2.494           11         KIALKOKA ARVADO         64         5.022         84         64         10         153         13         10         40         10         13         10         40         10         13         12         44.19         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140         140														e
P. PLANGARINAN         178         77         70         10         13.4.4.1         200         77         40         13.4.4.1         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201         201		5 LA UNION												14
mb sod         1P4         24/00         141         320         211         140         22/00         201         430           9         CARAYAN         6         5/20         83         41         5/20         11         3/31         3/41         10         42/30           10         MALINGA APAYAO         6         5/20         235         44         440         10         8         5/202           12         IPCOAO         35         3/279         94         45         4/80         103         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10		6 BENGUET												2
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b			178	27,409	154	3	230	211						
ID         MALADRA AVAXO         64         5.622         123         5         321         64         53         2.401           11         BAREA.         47         5.732         294         46         6,800         105         4         46.00         7         5.620           13         DMUSA VARCAYA         -         -         0         0         -         20         5.620           14         DMUSA VARCAYA         -         -         20         1.620         -         20         1.620         1.620         1.620         1.620         1.620         1.620         1.620         1.620         1.620         1.620         1.62         2.021         1.520         113         1.320         113         2.320         1.530         114         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621         2.621	п													21
11         13         13         4         40         100         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10<						41	6 6 6 6	120						. 4
11       Dirokan       35       3.279       94       46       4.980       1.09       0       0       -       7       5.68         10       NUSKV XA       -       12       113       11       113       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       13       12       23       12       23       13       13       13       13       13       13       13       13       13       13       13       14       13       13       13       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       13       13       13       14       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13       13 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ត</td></t<>														ត
ID         Source Area         S         1.460         310         10         1.07           By Source Area         146         18.654         112         113         21         4.456         266         110         2.07           15         NUSY ACCA         43         7.246         110         110         21         4.456         266         126         2.230           16         PAREARA         1         1.520         113         115         115         125         2.237         13         13.530         113         7.45         2.247         13         13.530         117         2.450         13         7.450         2.45         14         1.650         12.47         2.247         2.247         13         1.150         117         2.247         14         1.450         12.247         14         1.450         12.247         14         1.450         12.247         13         1.150         117         2.46         11         1.400         13         2.247         13         1.160         12.247         13         1.160         13.23         13         1.100         13         2.246         116         1.160         1.247         13.247         13.247<														81
In CUBRON			22	3,219	. 94	40					110			- 14
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$														9
IT         SMEWA ECIA         45         7,746         180         1         153         150         27         15,012         978         20         6,403           IT         SMEWA ECIA         72         1,210         1,235         7         2,220         7         2,220         7         2,220         7         2,220         7         2,200         7         2,200         7         2,200         7         3,207         7         3,540         60         12         3,207         7         3,540         40         7         2,203         2,203         2,203         7         3,207         5         64         13         1,50         4         2,207         64         13         1,50         14         1,400         14         1,400         14         1,400         14         1,400         14         1,400         15         13         15         7         13         15         14         1,400         15         16         14         1,400         14         1,400         15         16         15         15         14         16         16         16         16         16         16         16         16         16         16	÷.,		146	18,656	128	133	17,362	131	25	6,162	246	. 115		11
16       TZAMBALS       2       2,101       2,53       7       2,402         11       ZAMBALS       3,050       13       18       2,351       2,257         18       PLACACM       7       4,554       650       12       2,257         19       BULACAM       7       4,554       650       12       2,257         19       PLACAM       7       4,554       664       13       1,564       137.6       66       12       2,357       644       13       1,580         12       AURGAM       3       3,375       102       16       1,376       66       12       622       623       14       1,580         2       AURGAM       2       2,037       73       21       2,017       56       2       303       163       148       1,60       15       2,468       14       1,60       5       4,61       1,80       5       1,60       5       4,61       1,80       5       1,60       5       4,61       1,80       5       1,60       5       4,66       1,40       1,80       5       1,60       5       4,61       1,80       5       1,70       5 <t< td=""><td>11</td><td></td><td></td><td></td><td></td><td></td><td>153</td><td>153</td><td>27</td><td>15,612</td><td>578</td><td>20</td><td>9,625</td><td>4</td></t<>	11						153	153	27	15,612	578	20	9,625	4
17       ZASKRALES       4       1,541       500       9       5,566         18       PAMEANCA       7       11,523       11       20       11       21       2,577         19       BULACAN       7       15,501       15       7       15,501       15       7       15,501       15       15       7       15,501       15       15       15       16       15,203       16       1,576       86       12,215       14       1,461       15,376       86       12,215       14       1,461       15,376       86       12,217       14       1,640       15       16       16,376       16       16,376       16       16,376       16       16,376       16       16,376       16       16,376       17       13,102       15       16       12,327       13       10       12,376       16       12,376       17       13,002       100       17       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       13,012       14,012       14,012       14,012				-					2	2,510	1,255	7	2,620	3
IB         BULEANA         73         11,32         158         20         3.090         153         18         3.244         103         71         353         110         71         353         110         71         353         110         71         353         110         71         353         110         71         353         71         353         71         353         71         353         71         353         71         353         71         353         71         353         71         353         71         353         71         353         71         353         71         75         75         64         11         755         71         71         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75         75 <th77< th="">         75         75         <th77< t<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>• 4</td><td>1,561</td><td>390</td><td>9</td><td>5,466</td><td>. 6</td></th77<></th77<>									• 4	1,561	390	9	5,466	. 6
ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID         ID <thid< th="">         ID         ID         ID<!--</td--><td></td><td></td><td>73</td><td>11,523</td><td>158</td><td>20</td><td>3,050</td><td>153</td><td>18</td><td>3,294</td><td>183</td><td></td><td></td><td>. 73</td></thid<>			73	11,523	158	20	3,050	153	18	3,294	183			. 73
member internation         16         19,209         166         21         3,200         153         71         20,007         40         21,465           22         AURCOK         38         3,875         102         16         1,376         86         12         622         52         14         1,610           23         REZAL         7         333         46         18         1,630           24         RATANOAS         22         2,032         93         21         2,017         94         4,002         100         18         1,630           25         RATANOAS         22         2,032         93         21,017         94         4,002         100         18         1,630           26         RATANOAS         22         2,032         93         21,017         94         4,002         100         1         1,765           26         RATANOAS         22         2,032         93         21,017         96         84         1,020         20         24         5,618           20         ROMORDO OCCENTAL         34         4,545         177         93         84         120         120         16 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>u</td></td<>														u
V         21         AURORA         3         3.975         102         16         1,376         84         12         2422         52         51         16         1,376         84         12         16         1,376         84         12         12         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         14         13         13         14         13         13         13         14         13         13         14         13         14         13         14         14         13         14         14         13         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14 <td></td> <td>20 BATAAN</td> <td></td>		20 BATAAN												
22         QUEZQON         38         3.875         102         16         1.376         86         12         C42         C42 <thc42< <="" td=""><td></td><td></td><td>116</td><td>19,269</td><td>166</td><td>21</td><td>3,203</td><td>153</td><td></td><td></td><td></td><td></td><td></td><td>3</td></thc42<>			116	19,269	166	21	3,203	153						3
3         BIZAL         7         332         46         18         1,68           26         CAVTR         0         -         19         2,237           25         LAGUNA         2         6.6         31         7         310           28         ARTANCAS         2         2.002         93         21         2017         96         2         6.6         31         7         310           28         ARTANCAS         51         10.128         191         15         2.648         178         0         1         2         2.64         18         1.783         46         45         45         45         45         45         45         46         18         1.66         32         2.64         187         7         345         46         43         2.2         6.618         43         32         3.618         4.55         122         7         354         45         17         3.23         17         7         3.23         1.63         12         2.669         3         3.618         1.416         1.63         1.416         1.63         1.416         1.64         1.646         1.416         1.64	Ŷ													1
bit CAYTIE         0         0         -         19         2.23           25 LAGUNA         2         2.0072         9.3         21         2.017         96         2         3.60         116         18         1,73         310           25 MARINONQUE         14         1.402         100         5         4.425         100         5         4.425           26 MINDONO COCHENTAL         51         10.312         19         1.5         2.668         178         0         -         1.20         121         124         4.425           28 MINDONO COCHENTAL         10         114         16.215         142         52         6.061         117         6         4.031         121         124         2.4593           31 CAMARINES NORT         114         16.215         3.4545         152         7         98         137         7         7.22         136         4.041         120         7.21         103         6         60         67         9         6.66           31 AGSISCON         54         4.644         130         7         7.24         103         6         60         37         7.107         7.35         85         1<			38	3,875	102	16	1,376	86					•	1
22 LAGINA         2         2         31         7         310           25 BATANOSAS         22         20/2         93         21         20/17         96         2         360         180         17/83           27 MARINTRIQUE         14         16/20         100         5         463           28 MINDORD OCCIENTAL         51         10.328         191         15         2.668         178         0         0         -         22         6.818           28 MINDORD OCCIENTAL         51         10.328         191         15         2.668         178         0         0         -         22         6.818         1.379         18         2.652         2.652         2.668         1.669         1.669         2.652         2.668         1.669         1.669         1.669         1.669         1.669         1.669         1.669         1.669         1.669         1.669         1.768         1.669         1.669         1.669         1.669         1.669         1.669         1.669         1.669         1.679         6.668         1.679         6.668         1.679         1.669         1.679         1.679         1.669         1.679         1.669         1.69         <											45			
20         20         20.71         95         2.         2.017         95         2         3.017         95         2         3.017         95         2         3.017         95         2         3.017         95         1.017         1.00         5         4.65           25         MARDORD OCHENTAL         51         10.128         191         15         2.668         17         6         0         -         22         6.618           36         ROMORD OCHENTAL         54         10.128         191         15         2.668         117         6         8.00         10         12         2.269           31         CAMARENES NOR         56         13.012         13.6         3         4.543         152         7         958         137         17         7.233         3         7.7         103         6         404         67         9         6.64         16         16.8         12         1.1818         5         505         7         7.7         103         6         40.7         9         6.5         1         16.0         7         7.17         103         1.0         1.0         1.0         1.0         1.0										-	-		-	1
12         MARNOPLOUE         14         LOQ         10         5         44           25         MARNOPLO OCENERTAL         5         10.328         191         15         2.648         178         0         0         -         22         6.818           25         MARNOPLO OCENERTAL         5         10.328         191         15         2.648         18         0         0         -         22         6.818         1.379         78         12         782           31 <palawan< td="">         -         1         200         200         24         5.800         -         22.600         -         200         24         5.800         -         1         200         200         24         5.800         -         10         5.914         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10<td></td><td></td><td>~</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></palawan<>			~											
28         MINDORO OCCIDENTAL			22	2,032	93	21	2,017	95						1
29         MINDONG OCCIDENTAL         54         10,136         191         15         2.468         178         0         0         -         22         6.418           31         PALAWAR         -         -         1         200         200         24         5.789           31         PALAWAR         -         -         7         546         49         4         300           31         CAMARINES NORTE         -         7         546         49         4         300           31         CAMARINES SUR         96         13.012         136         4.555         132         -         7         546         49         4         300           31         CAMARINES SUR         96         13.012         136         4.555         132         7         400         67         9         648         138         1         1.818         53         1.165         131         131         1.181         30         1.151         33         1.151         33         1.151         33         1.151         33         1.151         33         1.35         331         1.35         331         1.350         130         2.35         1.15														i
IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE         IDE <thide< th=""> <thide< th=""> <thide< th=""></thide<></thide<></thide<>			54	375 61	60.1	14	2 448	178			107			-3
1)         11         16         20         20         24         5,890           10         bebal         114         16,33         142         52         0.601         17         6         6,818         125         161         28,809           10         CAMARINES SURE         7         34         44         44         44         30           31 <camarines td="" url<="">         5         117         0         6         46         7         32,23           31<camarines td="" url<="">         3         116         117         7         103         6         464         67         9         648           31         MASSATE         7         4072         575         1         60           10         100         17,416         1134         10         5,269         527         36         72,375         16         60         7         116         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10<td></td><td></td><td>14</td><td>10,320</td><td>191</td><td>13</td><td>2,000</td><td>110</td><td></td><td></td><td>79</td><td></td><td></td><td></td></camarines></camarines>			14	10,320	191	13	2,000	110			79			
mb-boal         14         16,235         142         52         6,601         117         69         8,038         123         161         22,04           31 CAMARINES NORTH         7         346         49         4         30           32 CAMARINES SUR         96         13,012         136         3,4545         152         7         546         49         4         30           33 CAMARINES SORT         5         136         144         1,65         12         1,118         163         12         1,118         1,118         1,118         1,118         1,118         1,118         1,118         1,118         1,118         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         1,110         <								· .						2
7         24         44         49         4         30           31         CAMARINES SUR         96         I.J.012         13.6         3         4.545         152         7         598         137         17         3.223           31         CAMARINES SUR         96         I.J.012         13.6         3         4.545         152         7         598         147         1.538         153         1.130         7         2.4         103         6         4.04         67         9         6.645           31         MASBATE         130         17.416         114         10         5.269         527         3.6         7.7286         202         57         7.177           32         ALAN         130         17.466         131         10         1.606         89         10         2.082         57         7.177         75         9.85         1         10         1.606         89         10         2.082         201         12         2.080         135         13         2.125         3.5         1.80         13         1.150         3.6         136         13         1.151         14         126         14         14<			114	16 235	142	52	6.061	117						1
33         CAVARENCES SUR         96         13,012         136         3         4,545         152         7         958         137         17         3,225           34         CATANDUARES         5         814         163         12         1,181           35         ALBAY         5         814         163         12         1,181           35         ACRATANDUARES         7         24         103         6         404         67         9         686           37         MASBATE         100         7,24         103         7         7         4,023         575         1         60           39         CAPTZ         7         5,939         85         1         100         333         13         2,135         333         13         2,135         333         13         2,135         34         100         2,009         4         14,150         288         5         94         4,019         12         2,409         14         14,150         289         4         80         0         0         0         0         0         0         14,150         14,150         14,150         14,150         14,150	;		114	10,005			0,001							· · · · · ·
34 ATANDUAXES       4       404       130       7       224       103       6       404       67       9       6645         37 MASBATE       130       17,416       134       10       5,227       36       7,286       292       57       7,177         7       38 AKLAN       130       17,416       134       10       5,269       527       36       7,286       292       57       7,177         7       38 AKLAN       130       17,416       134       10       5,269       527       36       130       2,132       22       2,600         10       38 AKLAN       10       1,606       89       10       2,000       201       22       2,000         41       1,607       13       1,606       89       10       2,000       201       22       2,000         42       NEGROS DFL2.NORTE       7       2,326       137       31       4,590       135       4,616       198       78       14,593         11       40       6,975       130       35       6,286       119       25       4,816       14       1,634       14       1,606       16       14	2		96	13.012	136	3	4,545	152						1
35 ALBAY         5         814         163         12         1,18           35 SORSOGN         34         4,464         130         7         24         103         6         4404         67         9         686           37 MASBATE         130         17,416         134         10         5,269         527         7,353         85         1         100           37 SARLAN         30         17,416         113         10         5,269         527         7,353         85         1         100           30 CAPZ         3         1,150         333         313         2,125         2,050         40         110,010         2,068         501         22         2,060           41 D.CLO DEL NORTE         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0<	1		,,,											
35 SORSCOGON         34         4,404         130         7         724         103         6         404         67         9         666           37 MASBATE         150         17,416         134         10         5,169         527         25         100         7         103         60           38 AKLAN         7         593         65         1         100         7         593         65         1         100           39 ANSBATE         3         1,50         353         13         2,22,690         201         22,2690         201         22,2690         4         1,150         288         5         940         4,280,000 CCIDENTAL         17         2,326         137         31         4,590         135         6,060         60         70         2,000         28         94         14,291           11         44 CEBLI         26         4,853         188         M         2,440         189         0         0         10         4,115           44 CEBLI         26         4,853         1188         2,420         10         4,815         10         10         10         10         10         10         10									. 5	814	163	12	1,818	1
37         AASBATE         7         4,072         573         1         60           190-boal         150         17,416         134         10         5,269         527         256         528         527         7,177           38         ARUAN         7         593         65         1         100         333         13         2,125           39         CAPZ         3         1,150         335         31         2,125         33         6,395         41         1,150         385         5         940           41         NEGROS OCCIDENTAL         17         2,326         137         31         4,590         135         1         60         60         37         9,696           42         NEGROS DEL NORTE         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         -         0         0			34	4,404	130	7	724	103	6	404	67	9	686	
7/3       38 ARLAN       7       59       85       1       100         90 CAPTZ       3       1.150       33       1.3       2.125         90 CAPTZ       3       1.150       33       1.3       2.125         91 DOLLO       41       1.010       2.008       201       22       2.000         41 DOLLO       17       2.326       137       31       4.590       135       1       1.150       238       5       940         42 NECRGS DIZ_NORTE       17       2.326       137       31       4.590       135       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       1       10       10       10       11       10       10       11       10       10       10       10       10       10									7	4,022	575	1	60	
39 CAP27.       31.130       333       13       2,124         40 ANTRQUE       41       4,649       113       19       1,656       89       10       2,008       201       22       2,000         41 D.OLO       17       2,326       137       31       4,550       135       1       60       60       37       9,686         42 NECROS DCLIDENTAL       17       2,326       137       31       4,500       135       1       60       60       37       9,686         43 NECROS DRIA:NORTE       0       0       -       0       0       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	•	sub-total	130	17,416	134	10	5,269	527				57		1
ANTIQUE         41         4,649         113         19         1,695         89         10         208         201         22         2,090           41 ILOLO         4         1,150         288         5         940           42 NECROS OCCIDENTAL         17         2,326         137         31         4,590         135         1         60         60         37         9,696           43 NECROS DEL NORTE         5         6,075         120         33         6,285         119         2.5         4,461         198         78         14,591           11         44 CEBU         7         2,070         289         4         880           45 NECROS ORENTAL         26         4,885         188         14         2,400         189         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	r i	38 AKLAN								593				1
41         LOLLO         4         LISD         288         5         940           42         NEGROS OCCIDENTAL         17         2.326         137         31         4,559         115         60         0         -         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         10         4,115           45         BOHOL         39         4,657         119         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         - <td></td> <td>39 CAPIZ</td> <td></td> <td>1</td>		39 CAPIZ												1
42         NEGROS DOCLIDENTAL         17         2.326         137         31         4,550         155         1         60         60         37         9,696           43         NECROS DEL NORTE         120         53         6,285         119         25         4,961         198         78         14,951           11         44         66010.         39         4,657         119         0         0         -         10         4115           45         NICROS ORENTAL         26         4,885         188         14         2,040         189         0         0         -         10         4,115           46         BOHOL         39         4,657         119         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0<		40 ANTIQUE	41	4,649	113	19	1,696	89						
43 NECROS DIFL NORTE         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         1         1         4         0         1         2         4         6801         149         1         2         4         6801           45 NECROS ORIENTAL         26         4,885         188         14         2.040         189         0         0         -         10         4,115           46 BOHOL         39         4,657         19         0         0         5         1.150         210         24         7,150         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         24         7,150         0         1.010         1.099         10         1.92         3.0156         1         635         625         5         1.844         5         567         1.844         567         1.804         1.050         1.050         1.935         1.650         <														1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			17	2,326	137	31	4,590	135						2
TI         44         CEBU         7         2,070         289         4         890           45         NECROS ORIENTAL         26         4,885         168         14         2,640         189         0         -         10         4,115           45         NECROS ORIENTAL         26         4,855         119         0         5         1,150         230         24         7,150           47         SIQUIGR         -         0         0         -         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         1.10         1.10         1.10         1.950         149         0         0         0         -         1.13         144         5         5.67         4.813         1.600         5.85         848         3         1.600         5.6         5.81         5.61														
45         NECROS ORIENTAL         26         4,885         188         14         2,640         189         0         0         -         10         4,115           46         BOHOL         39         4,657         119         0         0         5         1,150         230         24         7,150           405-fold         65         9,442         147         14         2,640         189         12         3,170         284         38         12,155           405-fold         65         9,442         147         14         2,640         150         12         3,170         284         38         12,155           11         48         00         10         19         2,963         156         1         635         625         5         1,804           90         DASTERN SAMAR         10         1,6,226         161         43         6,440         150         5         1,831         144         5         5           11         100         131         19,556         149         66         9,731         148         2         8         11,183         144         5         5         1,384			58	6,975	120	33	0,285	119						1
46 BOHOL         39         4,657         119         0         0         5         1,150         230         24         7,150           47 SIQUIDOR         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	I			1 601	100			100			789			4
47 SIQUIDOR         0         0         0         0         0         0           sub-focial         65         9,342         147         14         2,640         189         12         3,170         264         38         12,155           11         81 NORTHERN SAMAR         10         1,099         110         19         2,963         156         1         625         5         1,804           50         BASTERN SAMAR         1         100         1300         130         200         4,817           51 <northern leyte<="" td="">         101         16,226         161         43         6,440         150         6         5,085         848         3         1,600           52         SQUTHERN LEYTE         2,231         112         4         348         87         8         1,113         164         5         567           aub-total         131         19,56         149         6.6         9,211         148         10         1,386           53         ZAMBOANGA DEL NORTE         51         7,867         154         19         2,274         120         19         7,172         377         29         5,010</northern>								109			230			2
			39	4,037	119	U	v	•						
III       48 NORTHERN SAMAR       10       1,099       110       19       2,963       156       1       625       625       5       1,864         49       SAMAR       1       10       1,099       10       19       2,963       156       1       625       625       5       1,864         50       BASTERN SAMAR       1       130       130       2.0       4,817         51       NORTHERN LEYTE       101       16,526       161       43       6.440       150       6       5,085       848       3       1,600         52       SOUTHERN LEYTE       20       2,231       112       4       348       87       8       1,153       144       5       567         sub-total       131       19,55       149       66       9,751       148       21       8,118       353       43       10,748         K       32 ZAMBOANGA DEL NORTE       7       7,867       154       19       2,274       120       10       4,982       498       10       2,435         50 SULU       2       100       50       2       100       50       2,405       3       102       102 <td></td> <td></td> <td>45</td> <td>0 \$47</td> <td>147</td> <td>14</td> <td>2640</td> <td>190</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td>			45	0 \$47	147	14	2640	190						3
49 SAMAR         10         1,099         110         19         2,953         156         1         625         625         5         1,804           50 EASTERN SAMAR         1         130         100         20         4,817           51 NORTHERN LEYTE         20         2,231         112         4         348         87         8         1,153         144         5         557           30 AMEONAGA DEL NORTE         20         2,231         112         4         348         87         8         1,153         144         5         557           30 ZMEONAGA DEL NORTE         7,867         154         19         2,274         120         10         4,982         498         10         2,435           55 BASH AN         2         100         50         2         386         57         7,867         154         19         2,274         120         10         4,982         498         10         2,435           55 BASH AN         2         100         50         2         386         57         7,867         154         19         2,274         120         19         7,17         377         29         5,010	<del>11</del>		- 00	3,542		F.	4010	103						1
S0         DEASTERN SAMAR         1         130         130         20         4,817           51         NORTHERN LEYTE         101         16,226         161         43         6,440         150         6         5,085         544         3         1,000           52         SQUTHERN LEYTE         20         2,231         112         4         348         87         8         1,115         144         5         557           sub-total         131         19,556         149         66         9,751         148         23         8,118         333         43         10,748           6         7         2,900         299         10         1,886         2,435         5         58         51         7,867         154         19         2,274         120         10         4,882         498         10         2,435           5         BASILAN         2         100         50         2         180         2,435         38         30         2,500         38         3105         5         5,500         2,500         5         2,600         5         5,500         6         3,00         2,5050         6         3,00			10	1.009	110	10	2.961	156						3
S1 NORTHEENNLEYTE       191       16,226       161       43       6,440       150       6       5,085       848       3       1,500         52 SOUTHERN LEYTE       20       2,231       112       4       348       87       8       1,153       144       5       567         sub-toola       131       19,556       149       66       9,751       148       23       8,116       331       431       10,748         54       ZAMEGANGA DEL NORTE       7       2,000       299       10       1,386         54       ZAMEGANGA DEL SUR       51       7,867       154       19       2,274       120       10       4,982       498       10       2,435         55       BASILAN       0       0       -       3       105       500       2       386         57       TAWLTAWI       0       0       -       11       2,075       5,030       0       0       -       13       2,075         59       CAMEGUIN       0       0       -       30       0       0       0       0       0       0       0       0       0       0       2,596       61       <		A set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of				.,	37.00		i					2
52 SOUTHERN LEYTE         20         2,231         112         4         348         87         8         1,153         144         5         567           sub-total         131         19,556         149         66         9,751         148         23         8,118         353         43         10,743           St ZMBOANGA DEL SORTE         7         2,090         29         10         1,386           54 ZAMBOANGA DEL SUR         51         7,867         151         19         2,274         120         10         4,582         498         10         2,435           54 ZAMBOANGA DEL SUR         51         7,867         154         19         2,274         120         10         4,582         498         10         2,435           56 SULU         2         100         50         2         386         7         8108         131         2,075         386         363         363         363         363         363         363         363         363         363         363         363         363         363         363         363         363         363         363         363         363			191	16.226	161	43	6,440	150	6					5
sub-total         131         19,556         149         66         9,751         148         23         8,118         333         43         10,743           X         53         2AMBOANGA DEL NORTE         7         2,050         299         10         1,386           54         ZAMBOANGA DEL SUR         51         7,867         151         19         2,274         120         0         4,582         498         10         2,435           55         BASILAN         0         0         .         3         105         50         50,10         2         100         50         2         386           57         TAWI. TAWI         0         0         .         4         718         2         100         50         2         386           57         TAWI. TAWI         0         0         .         0         0         .         13         2,075           58         SURGAO DEL NORTE         0         0         .         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>i</td>														i
K       53 ZAMBOANGA DEL NORTE       7       2,090       299       10       1,386         54 ZAMBOANGA DEL SUR       51       7,867       151       19       2,274       120       10       4,982       498       10       2,435         55 BASILAN       0       0       .       3       105       50       100       50       2       136         55 SURIU       2       100       50       2       100       50       2       366         57 TAWI.TAWI       0       0       .       4       718       2010       50       2       366         60       0       .       13       2,075       5010       0       0       13       2,075         59 CAMIGUIN       0       0       .       0       0       .       10       2,295       60       0       .       13       2,075         61 MISAMIS ORIENTAL       1       102       102       17       1,735       62       45,995       246       0       0       .       16       5,050         62 MISAMIS ORIENTAL       1       102       102       17       1,735       62       63,995       246	. '													2
54 ZAMBOANGA DEL SUR       51       7,867       15.1       19       2,274       120       10       4,582       498       10       2,435         55 BASE.AN       0       0       -       3       105         56 SULU       2       100       50       2       100       50       2       100       50       2       386         57 TAWL-TAWI       0       0       -       4       718       0       0       -       4       718         sub-total       51       7,867       154       19       2,274       120       19       7,172       377       29       5,030         6       MISANES OCHENTAL       0       0       -       13       2,075       0       0       -       30       2,596         61 MISAMES ORIENTAL       1       102       102       17       1,735       62       45       56.395       246       0       0       -       16       5,090         64       AGUSAN DEL SUR       16       3,025       189       26       6,395       246       0       0       -       18       4,522         63 BUKIDNON       31       5,217	x			: .					7			10		1
S6 SULU       2       100       50       2       386         57 TAWI-TAWI       0       0       .4       718         sub-total       51       7,867       154       19       2,274       120       19       7,172       377       29       5,000         59 CAMIGUIN       0       0       .13       2,075       0       0       .13       2,075         59 CAMIGUIN       0       0       0       .0       .0       .0       .0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0			51	7,867	15.1	19	2,274	120			498			2
57 TAWL-TAWI         0         0		55 BASILAN			÷ .						· •			
aub-total         51         7,867         154         19         2,274         120         19         7,172         377         29         5,030           K         38 SURIGAO DEL NORTE         0         0         -         13         2,075           SO CAMIGUIN         0         0         -         13         2,075           SO CAMIGUIN         0         0         -         0         0         -         0         0           60 AGUSAN DEL NORTE         0         0         -         30         2,596         6         102         17         1,735           61 MISAMIS ORIENTAL         1         102         102         17         1,735         6         4         5,000         -         16         5,000           63 BUKIDNON         31         5,217         168         41         8,270         202         0         0         -         16         5,000           64 AGUSAN DEL SUR         16         3,025         189         26         6,395         246         0         0         -         18         4,526           sub-total         47         8,242         175         67         14,665         219		56 SULU									50			1
C 58 SURIGAO DEL NORTE       0       0       -       13       2,075         59 CAMEGUIN       0       0       -       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>														1
59 CAMIGUIN       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td< td=""><td></td><td></td><td>51</td><td>7,867</td><td>154</td><td>19</td><td>2,274</td><td>120</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			51	7,867	154	19	2,274	120						
60 AGUSAN DEL NORTE         0         0         -         30         2.596           61 MISAMIS ORIENTAL         1         102         17         1,735           62 MISAMIS OCCIDENTAL         1         625         625         4         2,506           63 BUKIDNON         31         5,217         168         41         8,270         202         0         0         -         16         5,060           64 AGUSAN DEL SUR         16         3,025         189         26         6,395         246         0         0         -         18         4,526           sub-total         47         8,242         175         67         14,665         219         2         727         364         98         18,522           1         65         SURKGAO DEL SUR         3         710         217         15         3,230           67         DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         -         6         1,310           68         DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         -         6         1,310<	<u>ر</u>													1
61 MISAMIS ORIENTAL       1       102       102       17       1,735         62 MISAMIS OCCIDENTAL       1       625       625       4       2,500         63 BUKIDNON       31       5,217       168       41       8,270       202       0       0       -       16       5,090         64 AGUSAN DEL SUR       16       3,025       189       26       6,395       246       0       0       -       18       4,526         sub-total       47       8,242       175       67       14,665       219       2       727       364       98       18,522         1       65 SURGAO DEL SUR       3       710       217       15       3,230         66 DAVAO ORIENTAL       3       710       217       15       3,230         67 DAVAO DEL SUR       3       10       2       1580       790       5       2,240         68 DAVAO DEL SUR       1       5,935       191       25       5,086       203       3       893       298       4       1,400         69 SOUTH COTABATO       31       5,935       191       25       5,086       203       3       893       298							•							
62 MISAMIS OCCIDENTAL         1         625         625         4         2,500           63 BUKIDNON         31         5,217         168         41         8,270         202         0         0         -         16         5,090           64 AGUSAN DEL SUR         16         3,025         189         26         6,395         246         0         0         -         18         4,526           mab total         47         8,242         175         67         14,665         219         2         727         364         98         18,522           1         65 SURKGAO DEL SUR         3         710         237         15         3,230           66 DAVAO ORENTAL         5         3,260         217         9         1,826         203         0         0         -         6         1,310           67 DAVAO ORENTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           68 DAVAO DEL SUR         -         1         2,593         191         25         5,086         203         3         893         298         4         1,400		1 I												
63 BUKIDNON         31         5,217         168         41         8,270         202         0         0         -         16         5,090           64 AGUSAN DEL SUR         16         3,025         189         26         6,395         246         0         0         -         18         4,526           rab total         47         8,242         175         67         14,665         219         2         727         364         98         18,526           I         65         SURGAO DEL SUR         3         710         217         15         3,230           66         DAVAO ORENTAL         8         1,650         206         2         155           67         DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           68         DAVAO DEL NORTE         15         3,260         217         9         1,826         203         3         693         298         4         1,400           69         SOUTH COTABATO         31         5,935         191         25         5,086         203         3         693 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>1</td></t<>									1					1
64 AGUSAN DEL SUR         16         3,025         189         26         6395         246         0         -         18         4,526           sub-total         47         8,242         175         67         14,665         219         2         727         364         98         18,522           Cl         65         SURKGAO DEL SUR         3         710         217         15         3,235           66         DA VAO ORELNTAL         8         1650         203         0         0         -         6         1,310           69         DA VAO DEL SUR         15         3,260         217         9         1,825         203         0         0         -         6         1,310           69         DAVAO DEL SUR         2         1,580         790         5         2,240           98         SUB-Stotal         46         9,195         200         34         6,912         203         16         4,833         302         32         28         4         1,400           10         LANAO DEL NORTE         12         3,048         254         27         5,057         71         1,4,829         200         3	÷ .								1					6
sub-total         47         8,242         175         67         14,665         219         2         727         364         98         18,522           I         65         SURGAO DEL SUR         3         710         237         15         3,230           66         DAVAO ORIENTAL         8         1,650         205         2         155           67         DAVAO DEL SUR         2         1,580         700         5         2,240           68         DAVAO DEL SUR         2         1,580         790         5         2,240           68         SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           69         SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           69         SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           60         SOUTH COTABATO         46         9,195         200         34<											•			3
I         GS SURKGAO DEL SUR         3         710         217         15         3,230           G6 DAVAO ORENTAL         8         1,650         205         2         155           G7 DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           G8 DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           G8 DAVAO DEL SUR         2         1,580         790         5         2,240         2         1,580         790         5         2,240           G9 SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           nub-totul         46         9,195         200         34         6,912         201         16         4,833         302         32         8,355           I         70 LANAO DEL SUR         12         3,618         254         27         5,057         1         183         7         1,23         3,604         19         28	1													2
66 DAVAO ORIENTAL         8         1,650         205         2         155           67 DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           68 DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           69 DAVAO DEL SUR         2         1,580         790         5         2,240         3         893         298         4         1,400           69 SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           69 SOUTH COTABATO         46         9,195         200         34         6,912         203         16         4,833         302         32         8,335           10         CANAO DEL NORTE         12         3,048         254         27         5,057           71         LANAO DEL SUR         0         0         -         0         0         -         0         0           72 NORTHI COTABATO         24         4,897	Ŧ		4/	0,04	113	6/	660,91	219						
67 DAVAO DEL NORTE         15         3,260         217         9         1,826         203         0         0         -         6         1,310           68 DAVAO DEL SUR         2         1,560         790         5         2,240           69 SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           sub-tout         46         9,195         200         34         6,912         2013         16         4,833         302         32         8         335         307         12         3,048         254         27         5,057           71 LANAO DEL NORTE         12         3,048         254         27         5,057         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	1				· ·									. 4
68 DAVAO DEL SUR         2         1,580         790         5         2,240           69 SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           sub-toul         46         9,195         200         34         6,912         203         16         4,833         302         32         8,307           II         70 LANAO DEL NORTE         12         3,048         254         27         5,057           71 LANAO DEL SUR         0         0         -         0         0         -         0         0           72 NORTH COTABATO         24         4,897         29.1         77         18,299         238         20         8,380         419         28         9,200           73 MAQUINDANAO         43         8,255         192         58         10,574         183         7         1,235         176         14         19,505           74 SULTAN KUDARAT         5         2,800         560         11         7,660         14         19,505			14	1 740	212	6	1 976	202						1
69 SOUTH COTABATO         31         5,935         191         25         5,086         203         3         893         298         4         1,400           ND-10M         46         9,195         200         34         6,912         203         16         4,833         302         32         8,335           II         70 LANAO DEL NORTE         12         3,048         254         27         5,057           71 LANAO DEL SUR         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0			15	3,200	217	y	1,020	203						
sub-total         46         9,195         200         34         6,912         203         16         4,833         302         32         8,335           II         70 LANAO DEL NORTE         12         3,048         254         27         5,057           71 LANAO DEL SUR         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0			31	5 915	101	. 35	5.086	201						
I         70 LANAO DEL NORTE         12         3,048         254         27         5,057           71 LANAO DEL SUR         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 </td <td>٠.</td> <td></td>	٠.													
71 LANAO DEL SUR         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	π			×117-2										
72 NORTH COTABATO         24         4,897         201         77         18,299         238         20         8,380         419         28         9,200           73 MAQUINDANAO         43         8,255         192         58         10,574         183         7         1,235         176         14         19,505           74 SULTAN KUDARAT         5         2,860         560         11         7,660				1.1.1			· · · · ·							
73 MAQUINDANAO 43 8,255 192 58 10,574 183 7 1,235 176 14 19,505 74 SULTAN KUDARAT 5 2,800 560 11 7,060			24	4,897	201	n	18.299	238		-				. 3
74 SULTAN KUDARAT 5 2,800 560 11 7,660				-										1.1
						~								6
		aub-total	67	13,152	196	135	28,873	214						5

## DESIGNED IRRIGABLE AREA AND ACTUALLY IRRIGATED AREA: CIS

			Nos. of	Designed	Wet Seeson Actually	Decret	Designed	Dry Season Actually Juniaated	Decreas Ratio
legion		Province	C1Ss	Irrigable	Irrigated Area (ba)	Raŭo (1)	irrigable Area (ha)	irrigateó Arca (ha)	Sario (i)
		· · · ·		Area (ba)	(2)	(3) = (2)/(1)	(4)	(5)	(6) = (5) / (
1	ĩ	ILOCOS NORTE	119	13,630	12,976	0.952	9,902	9,001	0.909
	2	ABRA	37	5,266	4,739	0.900 0.910	5,051 6,110	3,692 4,240	0.731
	3	ILOCOS SUR	70	8,183 914	7,447 720	0.788	914	651	0.712
	4	MOUNTAIN PROVINCE	39	5,071	4,736	0.934	5,071	3,793	0.748
	5	BENGUET	9	617	383	0.620	617	366	0.594
	7	PANGASINAN	178	27,409	19,406	0,708	15,321	9,131	0.590
-		Sub-toial	460	61,090	50,406 0	0.825	42,986	30,875	0.711
Ш	8	BATANES	0 105	0 14,511	11,362	0.783	13,819	10 060	0.72
	9	CAGAYAN KALINGA APAYAO	64	5,602	3,540	0.632	4,682	3,657	0.78
		ISABELA	47	9,775	5,435	0.556	8,624	3,924	0.4.5
		IFUGAO	35	3,279	2,318	0.707	3,119	2,024	0.64
		NUEVA VISCAYA	. 131	18,118	15,636	0.863 0.415	18,118 - 3,148	14,712 1,102	0.91
-	14	QUIRINO	29 411	3,460 54,745	1,436	0,726	51,510	35,479	83.0
ш	15	sub-total NUEVA ECLIA	43	7,746	6,685	0.863	7,400	5,269	0,712
***		TARLAC	36	7,975	6,978	0.875	7,027	5,692	0.810
		ZAMBALES	10	1,563	1,261	0.807	938	870	0.927 0.752
		PAMPANGA	73	11,521	6,544	0.568 0,382	4,609 2,435	3,466	0.75
		BULACAN	18 30	2,568 3,932	981 3,350	0.852	3,361	2,659	0.791
-	20	BATAAN sub-total	210	35,305	25,799	0.731	25,770	19.262	0.74
IV	21	AURORA	39	6,190	4,432	0.716	5,825	3,419	0.58
	22	QUEZON	38	3,875	3,453	0.891	3,822	3 432	0.89
	23	RIZAL.	19	1,769	1,392	0.787	1,187	1,187	1.00
		CAVITE	5	596 2 4 7 4	596 2.254	1.000 0.915	411 2,535	411 2,304	1.00
		LAGUNA	25 22	2,474 2,032	2,264	0.917	1,694	1,596	0,94
	26 27	BATANGAS MARINDUQUE	5	545	403	0.739	411	309	0.75
		MINDORO ORIENTAL	48	8,290	7,958	0.960	7,344	5,883	0.80
	29	MINDORO OCCIDENTAL	54	10,328	8,758	0.848	7,437	5,719	0.76
	30	ROMBLON	2	145	111	0.766	130	111	0.85
-	31	PALAWAN	41	7,222	2,528	0.350	5,204 36,000	2,690	0.51
v		SUD-total	298	43,466	632	0.430	1,301	545	0.42
Ŷ	32	CAMARINES NORTE CAMARINES SUR	96	13,012	9,967	0.766	12,142	8,026	0.66
	33 34	CATANDUANES	· 9	1,049	718	0.684	1,014	515	0.50
		ALBAY	78	11,835	10,344	0.874	11,636	10,135	0.87
	36	SORSOGON	34	4,404	3,783	0.859	4,385	3,166	0.72
-	37	MASBATE	19	1,854	1,151	0.621	1,207	23,109	0.59
VI		sub-total	254 14	33,623	26,595	0.657	1,779	1 247	0.72
41		AKLAN CAPIZ	14	1,108	565	0.510	765	765	1.00
	40	ANTIQUE	41	4,649	3,975	0.855	4,507	3,543	0.78
	41	ILOILO	34	4,790	3,530	0.737	3,740	2,816	0.75
		NEGROS OCCIDENTAL	17	2,326	1,400	0.602	2,130 0	1,385 C	0.65
-	43	NEGROS DEL NORTE	118	0 14,678	10,656	0.726	12,921	9,755	0.75
VD	44	sub-total	118	14,678	701	0.378	1,538	589	0.38
• 11	49 45	NEGROS ORIENTAL	26	4,885	3,527	0.722	4,885	2,955	0.60
		BOHOL	39	4,657	3,991	0.857	4,632	3,127	0.67
-		SIQUIJOR	0	0	0	·	0	0	
		sub-total	76	11,397	8,219	0.721	11,055	6,671 418	0.60
VШ		NORTHERN SAMAR	13	1,255	555	0.442	.418	418	0.46
		SAMAR EASTERN SAMAR	10 2	1,099 252	636 0	0.000	239	4/3	0.00
		NORTHERN LEYIE	101	16,226	10,904	0.672	14,354	8,612	0.60
		SOUTHERN LEYTE	20	2,231	1,383	0.620	2,211	1,304	0.59
		sub-total	146	21,053	13,478	0.640	18,247	10,807	0.59
IX		ZAMBOANGA DEL NORTE	15	2,223	1,536	0.691	2,163	1,004	0.45
		ZAMBOANGA DEL SUR	51 2	7,867	6,593 155	0.838 1.000	7,757	5,794 75	0.74
		BASILAN SULU	.0	133	. 0		. ,,,	0	
		TAWI-TAWI	0	0	Ö		.0	0	
		sub-total	68	10,245	8,284	0.809	9,995	6,873	0.68
x		SURIGAO DEL NORTE	22	2,410	2,145	0,890	2,082	1,741	0.83
		CAMIGUIN	3	540	243	0.450	540 4,569	237 2,933	0.43
		AGUSAN DEL NORTE MISAMIS ORIENTAL	43 16	6,007 2,490	4,181	0.696 0.606	2,490	1,484	0.59
		MISAMIS ORIENTAL MISAMIS OCCIDENTAL	20	2,490	2,160	0.797	2,613	2,015	0.77
		BUKIDNON	31	5,217	3,010	0.577	4,459	2,377	0.53
		AGUSAN DEL SUR	16	3,025	871	0.288	2,985	836	0.28
		sub-total	151	22,399	14,119	0.630	19,738	11,622	0.58
хI		SURIGAO DEL SUR	22	3 619	2,338	0.645	3,453 1,434	1,799	0.52 0.44
		DAVAO ORIENTAL	12 15	1,740 3,260	813 2,008	0,467 0.616	3,260	1,949	0.44
		DAVAO DEL NORTE DAVAO DEL SUR	15 32	5,726	4,598	0.803	5,683	4,575	0.80
		SOUTH COTABATO	31	5,935	4,564	0.769	5,685	4,099	0.72
-		sub-total	112	20,280	14,321	0.706	19,515	13,059	0.66
XII	70	LANAO DEL NORTE	20	3,258	2,398	0.736	2,993	1.823	0.60
	71	LANAO DEL SUR	10	2,190	2,102	0.960	1,515	1,515	1.00
		NORTH COTABATO	24	4,897	3,996	0.816	3,992	2,727 3,439	0.68
		MAGUINDANAO	43	8,255	5,836	0.707	6,703 4,482	3,439 3,604	0.31
	74	SULTAN KUDARAT	22	4,878	3,858		Address of the Owner of the Owner of the Owner of the Owner of the Owner of the Owner of the Owner of the Owner		0.66
-		sub-total	119	23,478	18,191	0.775	19,685	13,106	

## DESIGNED IRRIGABLE AREA AND ESTIMATED NET IRRIGABLE AREA: CIP

			Nos. of	Designed	Wei Sease	Entrasted*	Designed	Dry Seaso	n Eztimated
<b>Legion</b>		Province	CIPs	brigable	Reto	Net Imgebie	Irigable	Ratio	Net Inigab
				Area (ha)	(I)	Area (ba)	Arca (ha)	<b>(II)</b>	Area (ba)
				(1)	(2)	(3) × (1) × (2)	(4)	(5)	(6) = (4) x
I	1	ILOCOS NORTE	0	0 1,806	0.952 0.900	0 1,625	0 1,787	0.909 0.731	1,30
•	2	ABRA LLOCOS SUR	51	5,081	0.910	4,624	3,915	0.694	2,71
	4	MOUNTAIN PROVINCE	44	7,120	0.788	5,611	7,120	0.712	5,06
	5	LA UNION	27	2,713	0.934	2,534	2,713	0.748	2,02
	5	BENGUET	42	2,853	0.620	1,769	2,814	0.594	1,67
		PANGASINAN Sub-total	3	230	0.708	163	171	0.596	12,89
n	8	BATANES	0	19,803		10,32	0	•	
4	ő	CAGAYAN	66	9,462	0.783	7,409	9,532	0.729	6,93
	10	KALINGA APAYAO	43	5,562	0.632	3,515	4,532	0.781	3,53
1.1	11	ISABELA	44	6,920	0.556	3,792	6,734	0.455	3,06
	12		45	4,980	0.707 0.863	3,521 1,709	4,705 1,428	0.649 0.812	3,05 1,16
	13 14	NUEVA VISCAYA OUIRINO	41	1,950 4,570	0.415	1,897	4,587-	0.350	1,60
		ezb-total	253	33,374		21,842	31,518		19,36
ш	15	NUEVA ECUA	1	153	0.863	132	n	0.712	5
	16	TARLAC	3	514	0.875	450	0	0.810	
	17	ZAMBALES	0 20	0	0.807 0.568	0	0 2,164	0.927 0.752	1,62
	18 19	PAMPANGA BULACAN	4	3,050 420	0.382	160	400	0.537	21
	20	BATAAN	0	õ	0.852	0	0	0.791	
		sub-total	28	4,137		2,475	2,636		1,89
IV	21	AURORA	10	1,421	0.716	1,017	1 421	0.587	\$3
	22		18	1,376	0.891	1,226	1,376	0.898	1,23 7
	23	RIZAL	1	75	0.787	59 595	75 330	1.000 1.000	33
	24 25	LAGUNA	6 2	595 170	0.915	156	100	0.909	9
	26	BATANGAS	21	2,017	0.917	1,850	1,614	0.942	i,52
	27	MARINDUQUE	0	0	0.739	0	0	0.752	-
:	28	MINDORO ORIENTAL	18	2,442	0.960	2,344	1,650	0.801	1,32
	29	MINDORO OCCIDENTAL	15	2,668	0.848	2,262	2,043	0.769 0.255	1,57
	30 31	ROMBLON PALAWAN	2 %	120 16,218	0.766 0.350	92 5,676	120 7,603	0.517	3,93
		sub-total	187	27,102	0.000	15,278	16,332		11,01
V	32	CAMARINES NORTE	63	6,686	0.430	2,875	5,902	0.420	2,47
	33	CAMARINES SUR	30	4,545	0.766	3,481	4,428	0.661	2,92
	34	CATANDUANES	1	90	0.684	62	90	0.508	4
	35	ALBAY	48	7,438 724	0.874 0.859	6,501 622	7,079 724	0.871 0.722	6,16 52
· · ·	36	SORSOGON MASBATE	8	1,131	0.621	702	446	0.597	25
		sub-total	157	20,614		14,243	18,669		12,40
VI	38	AKLAN	2	200	0.657	131	200	0.701	14
	39	CAPIZ	10	845	0.510	431	0	1.000	1,27
	40 41	ANTIQUE ILCILO	19 3	1,696 764	0.855 0.737	1,450 563	1,623 764	0.786	57
	41 42	NEGROS OCCIDENTAL	34	4,590	0.737	2,763	4,231	0.650	2,75
	43	NEGROS DEL NORTE	0	0	·····•		0		
		ពារុទ្ធ-ខេត្តៅ	68	8,095		5,339	6,818		4,74
VII	44	CEBU	5	730	0.378	276	522	0.383	20
	45	NEGROS ORIENTAL	14 0	2,640 0	0.722 0.857	3,906 D	2,374	0.603 0.675	1,43
. '	46	BOHOL SIQUIOR	4	610	10.0	v	430	0.010	
		sub-total	23	3,980		2,182	3,326		1,63
VШ	48	NORTHERN SAMAR	40	4,460	0.442	1,971	4,460	1.000	4,40
	49	SAMAR	19	2,963	0.579	1,716	2,573	0.461	1,18
	50		12	1,057		· · · · · · · · · · · · · · · · · · ·	815	0.600	3,40
. :	51 52	NORTHERN LEYTE SOUTHERN LEYTE	43 4	6,440 348	0.672	4,328 216	5,672 328	0.600	5,40 19
		sub-total	118	15,268	1040	\$,230	13,848		9,24
IX	53	ZAMBOANGA DEL NORTE	13	1,935	0.691	1,337	1,445	0.464	67
		ZAMBOANGA DEL SUR	19	2,274	0.838	1,906	2,172	0.747	1,62
		BASILAN	0	0	1.000	0	0	1.000	
		SULU TAWI TAWI	4	950 710		1	950 710	-	-
. 1		IAWI-IAWI sub-total	40	5,869	·	3,243	5,277		2,25
x	- 58	SURIGAO DEL NORTE	19	1,649	0.890	1,468	1,157	0.836	96
÷	. 59	CAMIGUIN	0	0	0.450	0	0	0.439	
		AGUSAN DEL NORTE	24	2,757	0.696	1,919	1,594	0.642	1,02
		MISAMIS ORIENTAL	13	1,150	0.606 0.797	697 581	1,054 0	0.5% 0.771	62
		MISAMIS OCCIDENTAL BUKIDNON	41	729 8,270	0.577	4,772	8,240	0.533	4,35
	64 64	and the second second second second second second second second second second second second second second second	26	6,395	0.288	1,842	6,421	0.280	1,75
		sub-total	126	20,950	······	11,278	18,466		8,80
XI		SURIGAO DEL SUR	17	3,130	0.646	2,022	2,590	0.521	1,34
·		DAVAO ORIENTAL	14	1,040	0.467	486	910	0.444	40
		DAVAO DEL NORTE	9	1,826	0.616 0.803	1,125	1,826	0.595 0.805	1,05
	68 69	DAVAO DEL SUR SOUTH COTABATO	25	1,300 5,086	0.803	3,911	4,982	0.805	3,59
	09	sub-total		12,382	0.705	8,588	11,504	<i><b>J</b>118/4</i>	7,40
ХП	70	LANAO DEL NORTE	22	2,245	0.736	1,652	2,010	0.609	1,22
	71	LANAO DEL SUR	29	5,647	0.960	5.421	4,381	1.000	4,38
1		NORTH COTABATO	77	18,299	0.816	14,932	18,299	0.683	12,49 4 42
2.5		MAGUINDANAO	58 24	10,574	0,707	7,476 2,745	8,621 3,410	0.513	4,42 2,79
	14	SULTANKUDARAT	210	3,470	0.171	32,226	36,781		25,31
1.1		sub-total							

## RATIO OF WET AND DRY IRRIGATED AREAS: CIS

rgion	Provisor			igned Imigable		the second second second second second second second second second second second second second second second s	ually Irrigable	
		Nos. of	Wei Season	Dry Season (ha)	Ratio	Wei Serson (ha)	Dry Scason (ha)	Kado
	·	CISs	(ha) (1)	(2)	(3) = (2) / (1)	(4)	(5)	(6) = (5)/(
1	1 ILOCOS NORTE	119	13,630	9,902	0.726	12,976	9,001	0.694
•	2 ABRA	37	5,266	5,051	0.959	4,739	3,692	0.779
	3 ILOCOS SUR	70	8,183 914	6,110 914	0.747	7,447 720	4,240	0.904
	4 MOUNTAIN PROVINCE	. 8 39	5,071	5,071	1,000	4,736	3,793	0.801
	5 LA UNION 6 BENGUET	9	617	617	1,000	383	366	0.958
	7 PANGASINAN	178	27,409	15,321	0.559	19,406	9,131	0.471
	Sub-total	460	61,090	42,586	0.704	50,406	30,875	0.613
П	8 BATANES	0	0 14,511	0 13,819	0.952	11,362	10,060	0.885
	9 CAOAYAN 10 KALINGA APAYAD	105 64	5,602	4,682	0,836	3,540	3,657	1.033
11	11 ISABELA	47	9,775	8,624	0,852	5,435	3,924	0.722
· .	12 IFUGAO	35	3,279	3,119	0.951	2,318	2,024	0.873
• •	13 NUBVA VISCAYA	131	18,118	18,118	1.000	15,636	14,712	0.941 0.767
	14 QUIRINO	29	3,460	3,148 51,510	0.910	1,436	1,102 35,479	0.893
	sub-total 15 NUEYA ECUA	411	<u>54,745</u> 7,746	7,400	0.955	6,685	5,269	0.788
m	15 NUBYA ECUA 16 TARLAC	36	7,975	7,027	0.881	6,978	5,692	0.816
	17 ZAMBALES	10	1,563	938	0.600	1,261	870	0.689
	18 PAMPANGA	73	11,521	4,609	0.400	6,544	3,466	0.530
	19 BULACAN	18	2,568	2,435	0.948	981 3,350	1,308 2,659	1.333
•	20 BATAAN	210	3,932 35,305	3,361	0,730	25,799	19,262	0.747
ĪV	sub-total 21 AURORA	39	6,190	5,825	0.941	4,432	3,419	0.771
	22 QUEZON	38	3,875	3,822	0.985	3,453	3,432	0.994
	23 RIZAL	19	1,769	1,187	0.671	1,392	1,187	0.853
	24 CAVITE	5	596	411	0.690	596 2,264	411 2,304	0.690
•	25 LAGUNA 26 BATANGAS	25 22	2,474 2,032	2,535 1,694	1.025	1,863	1,596	0.856
	26 BATANGAS 27 MARINDUQUE	22 S	545	411	0.754	403	309	0,767
	28 MINDORO ORIENTAL	48	8,290	7,344	0.886	7,958	5,883	0.739
	29 MINDORO OCCIDENTAL	54	10,328	7,437	0.720	8,758	5,719	0.65
	30 ROMBLON	2	145	130	0.897	111	111 2,690	1.001
	31 PALAWAN	41	7,222	5,204	0.721	2,528	27,062	0.802
v	sub-total 32 CAMARINES NORTE		1,469	1,301	0.886	632	546	0.865
•	33 CAMARINES SUR	96	13,012	12,142	0.933	9,967	8,026	0.80
	34 CATANDUANES	9	1,049	1,014	0.967	718	515	0.718
	35 ALBAY	-78	11,835	11,636	0.983	10,344	10,135	0.980
	36 SORSOGON	34	4,404	4,385 1,207	0.996 0.651	3,783 1,151	3,166 721	0.62
	37 MASBATE sub-total	19	1,854	31,685	0,942	26,595	23,109	0.865
VI	38 AKLAN	.14	1,805	1,779	0.986	1,186	1,247	1.052
	39 CAPIZ	12	1,108	765	0.690	565	765	1.354
	40 ANTIQUE	41	4,649	4,507	0.969	3,975	3,543	0.891 0.795
		34 17	4,790 2,326	3,740 2,130	0.781 0.916	3,530 1,400	2,816 1,385	0.98
	42 NEGROS OCCIDENTAL 43 NEGROS DEL NORTE	. 0	2,528	2,130		0	0	
	sub-total	118	14,678	12,921	0.880	10,656	9,755	0.91
VII	44 CEBU	11	1,855	1,538	0.829	701	589	0.840
	45 NEGROS ORIENTAL	26	4,885	4,885	1.000	3,527 3,991	2,955	0,835 0,785
	46 BOHOL 47 SIQUUOR	39 0	4,657	4,632	0.993	3,991	0	• • •
	av Sigurdan	76	11,397	11,055	0.970	8,219	6,671	0.817
π	48 NORTHERN SAMAR	13	1,255	418	0.333	555	418	0.754
	49 SAMAR	10	1,099	1,025	0.933	636	473	0.74
	50 EASTERN SAMAR	2	252	239	0.948	0	0	• •
	51 NORTHERN LEYTE 52 SOUTHERN LEYTE	101 20	16,225	14,354 2,211	0.885 0.991	10,904 1,383	8,612 1,304	0.791
	52 SUUTHERN LETTE	146	21,063	18,247	0.866	13,478	10,807	0.80
IX.	53 ZAMBOANGA DEL NORTE	15	2,223	2,163	0.973	1,536	1,004	0.65
	54 ZAMBOANGA DEL SUR	51	7,867	7,757	0.986	6,593	5,794	0.879
	SS BASILAN	2	155	75	0.484	155	75 0	.0.484
	56 SULU S7 TAWI-TAWI	. O O	0 0	. 0 . 0	-	0	0	•
	57 TAWI-TAWI	68	10,245	9,995	0.976	8,284	6,873	0.83
x	58 SURIGAO DEL NORTE	22	2,410	2,082	0.864	2,145	1,741	0.81
	59 CAMIGUIN	. 3	540	540	1.000	243	237	0.976
	60 AGUSAN DEL NORTE	43	6,007	4,559	0.761	4,181	2,933	0.702
	61 MISAMIS ORIENTAL 62 MISAMIS OCCIDENTAL	16 20	2,490 2,710	2,490 2,613	0.964	1,509 2,160	1,484	0.98
•	63 BUKIDNON	31	5,217	4,459	0.855	3,010	2,377	0.79
	64 AGUSAN DEL SUR	16	3,025	2,985	0.987	871	\$36	0.95
	sub-total	151	22,399	19,738	0.881	14,119	11,622	0.82
XI	65 SURIGAO DEL SUR	22 12	3,619 1,740 -	3,453 1,434	0.954 0.824	2,338 813	1,799 637	0.770
÷	65 DAVAO ORENTAL 67 DAVAO DEL NORTE	12	3,260	3,260	1.000	2,008	1,949	0.971
	68 DAVAO DEL SUR	32	5,726	5,683	0.992	4,598	4,575	0.99
	69 SOUTH COTABATO	31	5,935	5,685	0.958	4,564	4,099	0.89
	sub-total	112	20,280	19,515	0.962	14,321	13,059	0,912
(II	70 LANAO DEL NORTE	20	3,258	2,993	0.919	2,398	1,823	0.760
	71 LANAO DEL SUR	10 24	2,190	1,515 3,992	0.692 0.815	2,102 3,996	1,515 2,727	0.72
	72 NORTH COTABATO 73 MAGUINDANAO	24 43	4,897 8,255	6,703	0.812	5,836	3,439	0.589
	74 SULTAN KUDARAT	22	4,878	4,482	0.919	3,858	3,604	0.934
	sub-total	119	23,478	19,685	0.838	18,191	13,106	0.720
	Total	2,423	351,769	299,107	0.850	263,554	207,681	0.788