



Republika ng Pilipinas  
**PAMBANSANG PANGASIWAAN NG PATUBIG**  
**(National Irrigation Administration)**  
EDSA, Diliman, Quezon City

# **YEAR END REPORT TO THE PRESIDENT**

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**2005**

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Republika ng Pilipinas  
**Pambansang Pangasiwaan ng Patubig**  
(NATIONAL IRRIGATION ADMINISTRATION)  
Lungsod ng Quezon

OFFICE ADDRESS: NATIONAL GOVERNMENT CENTER  
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OUR REFERENCE

15 February 2006

**Honorable Rigoberto D. Tiglao**  
Head, Presidential Management Staff  
Malacañang Palace  
J.P. Laurel St., Metro Manila

**SUBJECT : Year-End Report of the**  
**National Irrigation Administration**

Dear Sir:

I have the honor to submit the Year-End Report of the National Irrigation Administration for Calendar Year 2005.

Thank you for your support to Irrigation Development.

Respectfully yours,

**BALTAZAR H. USIS**  
Administrator

cc: The Secretary  
Department of Agriculture

**YEAR END  
REPORT  
TO THE  
PRESIDENT**

Republic of the Philippines  
**NATIONAL IRRIGATION ADMINISTRATION**  
Quezon City

DECEMBER 31, 2005

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## **ABBREVIATIONS/ACRONYMS USED**

AIDP	-	Agri-Institutional Development Project	C ARP-IC	-	Comprehensive Agrarian Reform Program – Irrigation Component
ARCDP	-	Agrarian Reform Communities Development Project	CIP or CIS	-	Communal Irrigation Project or System
ARMM	-	Autonomous Region of Muslim Mindanao	CMIPP -IC	-	Casecnan Multipurpose Irrigation and Power Project – Irrigation Component
ARF	-	Agrarian Reform Fund	C Y	-	Calendar Year
ARIIP	-	Agno River Integrated Irrigation Project	DA	-	Department of Agriculture
ARISP II	-	Agrarian Reform Infrastructure Support Project II	DAR	-	Department of Agrarian Reform
BBMP	-	Balog -Balog Multi Purpose Project	GOP	-	Government of the Philippines
B	-	Billion	HCAAP	-	Help for Catubig Agricultural Advancement Project
BIP II	-	Bohol Irrigation Project II	ha	-	hectare
BPIP	-	Banaoang Pump Irrigation Project	IA	-	Irrigators Association
BRISRIP	-	Bago River Irrigation System Rehabilitation and Improvement Project	IADP	-	Integrated Area Development Project
BSPP	-	Balikatan Sagip Patubig Program	IP	-	Irrigation Project
CAR	-	Cordillera Administrative Region	ISIP	-	Irrigation Systems Improvement Project
			LADP	-	Lower Agusan Development Project

LP	-	Loan Proceeds	RA	-	Republic Act
M	-	Million	RCIADP	-	Rehabilitation of Cagayan Integrated Agricultural Development Project
MINSSAD		Mindanao Sustainable Settlement Area Development Project	RRGIP	-	Repair/Rehabilitation Groundwater Irrigation Project
MMIP	-	Malitubog-Maridagao Irrigation Project	RRCNENIS/CIS-		Repair/Rehabilitation/ Construction of New and Existing National Irrigation System/Communal Irrigation System
NCA	-	Notice of Cash Allocation			
NCAA	-	Non-Cash Availment Authority	Rehab	-	rehabilitation
NIA	-	National irrigation Administration	RIP or RIS	-	River Irrigation Project or System
NIP or NIS-		National Irrigation Project or System	SPISP	-	Southern Philippines Irrigation Sector Project
O&M	-	Operation & Maintenance	SRIP	-	Small Reservoir Irrigation Project
PC	-	Peso Counterpart	TGISRP	-	Tarlac Groundwater Irrigation Systems Reactivation Project
PDAF	-	Priority Development Assistance Fund	WRDP	-	Water Resources Development Project
PDDP-IC -		Pampanga Delta Development Project-Irrigation Component			

## EXECUTIVE SUMMARY

NIA pursued the implementation of 39 irrigation projects: 14 foreign-assisted, 21 locally-funded (including continuing activities and carry-over projects) and four inter-agency projects. Twelve are located in Luzon, eight in Visayas, six in Mindanao and 13 with subprojects in selected provinces nationwide.

Other activities for the year were the repair and rehabilitation of national and communal systems, organization and development of irrigators' associations and feasibility studies and packaging of potential projects.

As of December 31, 2005, the agency accomplished 56% of the targeted area of 18,883 ha for generation or 10,539 ha and 90% of 123,557 ha for rehabilitation or 110,865 ha.

Some 11,430 jobs were generated in the construction of new irrigation projects and rehabilitation of existing irrigation systems.

Irrigation Development for the year involved a funding requirement of ₱7.185 B, broken down into: ₱4.629 B regular budget, ₱0.673 B carry-over funds and ₱1.883 B inter-agency funds. Total available allotment was ₱6.327 B with cash and non-cash support of ₱3.265 B or 52 % of the available allotment. Obligations incurred amounted to ₱4.984 B. (see Annex C for details)

The Agency now manages 199 NIS under 115 responsibility centers nationwide with a total service area of 695,774 ha. The service area increased by 5,535 ha from the previous year's area with the partial operation of Malitubog-Maridagao Irrigation System in Region 12 and Bubunawan Irrigation System in Region 10. The total irrigated

area was 972,692 ha broken down into 476,450 ha during the dry season (November 2004 to April 2005) and 496,242 ha during the wet season (May 2005 to October 2005).

As of December 31, 2005, the total service area developed was 1,413,236 or 45% of the estimated potential irrigable area of 3,126,340 ha. Of this area, 695,774 ha are under NIS, 543,262 in CIS and 174,200 in private irrigation systems (PIS). The remaining potential area to be developed is still 1,713,100 ha. The estimated potential irrigable area are those primarily devoted to rice and corn and up to 3% slope.

NIA provided equipment for the construction, rehabilitation of existing irrigation systems and O&M activities. As of end of December 2005, 56% overall equipment operability was attained.

**TABLE NO. 1**  
**SUMMARY OF FINANCIAL STATUS**  
(In Thousand Pesos)

Category	CY 2005 PROGRAM					
	Total CY 2005 Program			Releases (January to December 2005)		
	Approved Capital Outlay	Unprogrammed Funds & Other Sources	Total	Allotment Releases	Cash/Non-Cash Support	Obligation
	(1)	(2)	(3)=(1)+(2)	(4)	(5)	(6)
<b><u>NIA PROJECTS</u></b>						
Foreign-Assisted Projects	2,920,309	439,971	3,360,280	2,957,579	573,627	2,462,177
Locally Funded Projects	1,245,260	23,400	1,268,660	1,268,657	246,174	942,165
Lump Sum	-	-	-	-	1,283,947	-
<b>Total for NIA PROJECTS</b>	<b>4,165,569</b>	<b>463,371</b>	<b>4,628,940</b>	<b>4,226,236</b>	<b>2,103,748</b>	<b>3,404,342</b>
<b><u>INTER-AGENCY PROJECTS</u></b>	<b>990,838</b>	<b>-</b>	<b>990,838</b>	<b>534,937</b>	<b>389,104</b>	<b>333,969</b>
<b>Total for IRRIGATION</b>	<b>5,156,407</b>	<b>463,371</b>	<b>5,619,778</b>	<b>4,761,173</b>	<b>2,492,852</b>	<b>3,738,311</b>

Category	CARRY-OVER FUNDS			
	Unobligated Balance as of Dec. 2004	Releases (January to December 2005)		
		Realignment/ Allotment	Cash/Non-Cash Support	Obligation
	(7)	(8)	(9)	(10)
<b><u>NIA PROJECTS</u></b>				
Foreign-Assisted Projects	361,133	-	86,381	361,133
Locally Funded Projects	262,716	23,350	5,807	286,066
Lump Sum	-	-	274,258	-
Carry-over Projects	26,260	-	19,108	26,260
<b>Total for NIA PROJECTS</b>	<b>650,109</b>	<b>23,350</b>	<b>385,554</b>	<b>673,459</b>
<b><u>INTER-AGENCY PROJECTS</u></b>	<b>781,658</b>	<b>110,518</b>	<b>386,986</b>	<b>572,373</b>
<b>Total for IRRIGATION</b>	<b>1,431,767</b>	<b>133,868</b>	<b>772,540</b>	<b>1,245,832</b>

Category	CY 2005 PROGRAM AND CARRY-OVER FUNDS			
	Approved Program/ Unobligated Balance/ Allotment/ Realignment	Releases (January to December 2005)		
		Total Available Allotment	Cash/ Non-Cash Support	Obligation
	(11)=(3)+(7)+(8)	(12)=(4)+(7)+(8)	(13)=(5)+(9)	(14)=(6)+(10)
<b><u>NIA PROJECTS</u></b>				
Foreign-Assisted Projects	3,721,413	3,318,712	660,008	2,823,310
Locally Funded Projects	1,554,726	1,554,723	251,981	1,228,231
Lump Sum	-	-	1,558,205	-
Carry-over Projects	26,260	26,260	19,108	26,260
<b>Total for NIA PROJECTS</b>	<b>5,302,399</b>	<b>4,899,695</b>	<b>2,489,302</b>	<b>4,077,801</b>
<b><u>INTER-AGENCY PROJECTS</u></b>	<b>1,883,014</b>	<b>1,427,113</b>	<b>776,090</b>	<b>906,342</b>
<b>Total for IRRIGATION</b>	<b>7,185,413</b>	<b>6,326,808</b>	<b>3,265,392</b>	<b>4,984,143</b>

Note : Unaudited Financial status as of September 30, 2005.

### SUMMARY OF PHYSICAL STATUS

Key Indicator	CY 2005 PROGRAM		Carry-Over (Actual)	Total Actual
	Target	Actual		
<b>New Area (ha)</b>	<b>18,883</b>	<b>5,463</b>	<b>5,076</b>	<b>10,539</b>
<b>Rehab Area (ha)</b>	<b>123,557</b>	<b>69,023</b>	<b>41,842</b>	<b>110,865</b>

TABLE NO. 2  
**SUMMARY OF PHYSICAL STATUS OF IRRIGATION PROJECTS  
 CY 2005 PROGRAM**

As of December 31, 2005

Category	Irrigable Area (ha)		Area (ha)				Actual To Date
			Target	Actual (January to December 2005)			
				CY 2005	Carry-Over Program	Total	
<b>I. NIA PROJECTS</b>							
<b>A. FOREIGN-ASSISTED PROJECTS</b>							
1. ONGOING	N	76,187	7,606	4,212	-	4,212	35,947
	R	178,074	22,316	20,549	-	20,549	149,527
<b>TOTAL (A)</b>	<b>N</b>	<b>76,187</b>	<b>7,606</b>	<b>4,212</b>	<b>-</b>	<b>4,212</b>	<b>35,947</b>
	<b>R</b>	<b>178,074</b>	<b>22,316</b>	<b>20,549</b>	<b>-</b>	<b>20,549</b>	<b>149,527</b>
<b>B. LOCALLY FUNDED PROJECTS</b>							
1. ONGOING	N	34,891	2,781	369	-	369	4,776
	R	25,908	425	156	-	156	16,420
2. CONTINUING ACTIVITIES	N	55,098	3,405	283	1,157	1,440	17,722
	R	35,972	97,018	46,959	24,959	71,918	127,291
<b>TOTAL (B)</b>	<b>N</b>	<b>89,989</b>	<b>6,186</b>	<b>652</b>	<b>1,157</b>	<b>1,809</b>	<b>22,498</b>
	<b>R</b>	<b>61,880</b>	<b>97,443</b>	<b>47,115</b>	<b>24,959</b>	<b>72,074</b>	<b>143,711</b>
<b>TOTAL FOR NIA PROJECTS ( A &amp; B )</b>	<b>N</b>	<b>166,176</b>	<b>13,792</b>	<b>4,864</b>	<b>1,157</b>	<b>6,021</b>	<b>58,445</b>
	<b>R</b>	<b>239,954</b>	<b>119,759</b>	<b>67,664</b>	<b>24,959</b>	<b>92,623</b>	<b>293,238</b>
<b>II. INTER-AGENCY PROJECTS</b>							
	N	53,985	5,091	599	3,919	4,518	18,820
	R	123,036	3,798	1,359	16,883	18,242	65,372
<b>TOTAL FOR IRRIGATION</b>	<b>N</b>	<b>220,161</b>	<b>18,883</b>	<b>5,463</b>	<b>5,076</b>	<b>10,539</b>	<b>77,265</b>
	<b>R</b>	<b>362,990</b>	<b>123,557</b>	<b>69,023</b>	<b>41,842</b>	<b>110,865</b>	<b>358,610</b>

N - New Area, in hectares  
 R - Rehab Area, in hectares

**TABLE NO. 3**  
**SUMMARY OF FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2005 PROGRAM**

As of December 31, 2005

(In Thousand Pesos)

Project	CY 2005 IRRIGATION PROGRAM				CARRY-OVER FUNDS					REGULAR CY 2005 PROGRAM & CARRY-OVER FUNDS				
	CY 2005 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2004	Realignment	Releases		Obligation	Total CY Program	Total Available Allotment	Cash/ Non-Cash Support	Obligation	
		Allotment	Cash/ Non-Cash Support				Allotment	Cash/ Non-Cash Support						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10=1+5+6+7)	(11=2+5+6+7)	(12=3+8)	(13=4+9)	
<b>I. NIA PROJECTS</b>														
<b>A. FOREIGN-ASSISTED PROJECTS</b>														
1. ONGOING	PC	1,177,001	1,135,263	384,463	871,525	205,713	-	-	7,007	205,713	1,382,714	1,340,976	391,470	1,077,238
	LP	2,183,279	1,822,316	189,164	1,590,652	155,420	-	-	79,374	155,420	2,338,699	1,977,736	268,538	1,746,072
	TP	3,360,280	2,957,579	573,627	2,462,177	361,133	-	-	86,381	361,133	3,721,413	3,318,712	660,008	2,823,310
<b>Subtotal</b>	PC	<b>1,177,001</b>	<b>1,135,263</b>	<b>384,463</b>	<b>871,525</b>	<b>205,713</b>	<b>-</b>	<b>-</b>	<b>7,007</b>	<b>205,713</b>	<b>1,382,714</b>	<b>1,340,976</b>	<b>391,470</b>	<b>1,077,238</b>
	LP	<b>2,183,279</b>	<b>1,822,316</b>	<b>189,164</b>	<b>1,590,652</b>	<b>155,420</b>	<b>-</b>	<b>-</b>	<b>79,374</b>	<b>155,420</b>	<b>2,338,699</b>	<b>1,977,736</b>	<b>268,538</b>	<b>1,746,072</b>
	TP	<b>3,360,280</b>	<b>2,957,579</b>	<b>573,627</b>	<b>2,462,177</b>	<b>361,133</b>	<b>-</b>	<b>-</b>	<b>86,381</b>	<b>361,133</b>	<b>3,721,413</b>	<b>3,318,712</b>	<b>660,008</b>	<b>2,823,310</b>
<b>B. LOCALLY FUNDED PROJECTS</b>														
1. ONGOING	PC	1,268,660	1,268,657	246,174	942,165	262,716	23,350	-	5,807	286,066	1,554,726	1,554,723	251,981	1,228,231
<b>Subtotal</b>	PC	<b>1,268,660</b>	<b>1,268,657</b>	<b>246,174</b>	<b>942,165</b>	<b>262,716</b>	<b>23,350</b>	<b>-</b>	<b>5,807</b>	<b>286,066</b>	<b>1,554,726</b>	<b>1,554,723</b>	<b>251,981</b>	<b>1,228,231</b>
<b>C. CARRY-OVER PROJECTS</b>														
1. LOCALLY-FUNDED	PC	-	-	-	-	26,260	-	-	19,108	26,260	26,260	26,260	19,108	26,260
<b>Subtotal</b>	PC	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26,260</b>	<b>-</b>	<b>-</b>	<b>19,108</b>	<b>26,260</b>	<b>26,260</b>	<b>26,260</b>	<b>19,108</b>	<b>26,260</b>
<b>D. LUMP SUM NCA RELEASES</b>														
<b>TOTAL (D)</b>	PC			1,280,012					272,588				1,552,600	
	LP			3,935					1,670				5,605	
	TP			1,283,947					274,258				1,558,205	
<b>TOTAL FOR NIA PROJECTS (A, B, C &amp; D)</b>	PC	<b>2,445,661</b>	<b>2,403,920</b>	<b>1,910,649</b>	<b>1,813,690</b>	<b>494,689</b>	<b>23,350</b>	<b>-</b>	<b>304,510</b>	<b>518,039</b>	<b>2,963,700</b>	<b>2,921,959</b>	<b>2,215,159</b>	<b>2,331,729</b>
	LP	<b>2,183,279</b>	<b>1,822,316</b>	<b>193,099</b>	<b>1,590,652</b>	<b>155,420</b>	<b>-</b>	<b>-</b>	<b>81,044</b>	<b>155,420</b>	<b>2,338,699</b>	<b>1,977,736</b>	<b>274,143</b>	<b>1,746,072</b>
	TP	<b>4,628,940</b>	<b>4,226,236</b>	<b>2,103,748</b>	<b>3,404,342</b>	<b>650,109</b>	<b>23,350</b>	<b>-</b>	<b>385,554</b>	<b>673,459</b>	<b>5,302,399</b>	<b>4,899,695</b>	<b>2,489,302</b>	<b>4,077,801</b>

TABLE NO. 3  
**FINANCIAL STATUS OF IRRIGATION PROJECTS  
 CY 2005 PROGRAM**

As of December 31, 2005  
 (In Thousand Pesos)

Project	CY 2005 IRRIGATION PROGRAM				CARRY-OVER FUNDS					REGULAR CY 2005 PROGRAM & CARRY-OVER FUNDS				
	CY 2005 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2004	Realignment	Releases		Obligation	Total CY Program	Total Available Allotment	Cash/ Non-Cash Support	Obligation	
		Allotment	Cash/ Non-Cash Support				Allotment	Cash/ Non-Cash Support						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10=1+5+6+7)	(11=2+5+6+7)	(12=3+8)	(13=4+9)	
<b>II. INTER-AGENCY PROJECTS</b>	PC	476,441	222,487	122,386	175,258	293,127	-	-	137,138	165,500	769,568	515,614	259,524	340,758
	LP	514,397	312,450	266,718	158,711	488,531	-	110,518	249,848	406,873	1,113,446	911,499	516,566	565,584
	TP	990,838	534,937	389,104	333,969	781,658	-	110,518	386,986	572,373	1,883,014	1,427,113	776,090	906,342
<b>TOTAL FOR IRRIGATION</b>	PC	2,922,102	2,626,407	2,033,035	1,988,948	787,816	23,350	-	441,648	683,539	3,733,268	3,437,573	2,474,683	2,672,487
	LP	2,697,676	2,134,766	459,817	1,749,363	643,951	-	110,518	330,892	562,293	3,452,145	2,889,235	790,709	2,311,656
	TP	5,619,778	4,761,173	2,492,852	3,738,311	1,431,767	23,350	110,518	772,540	1,245,832	7,185,413	6,326,808	3,265,392	4,984,143

**NOTE:**

*CARRY-OVER PROGRAM includes balances from CY 2004 Regular Appropriations*

**Unaudited as of September 30, 2005.**

- PC - Peso Counterpart
- LP - Loan Proceeds
- TP - Total in Pesos

**PROJECT  
DEVELOPMENT  
AND  
IMPLEMENTATION**

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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### **I. Implementation of Irrigation Projects**

#### **A. Foreign-Assisted NIA Projects**

The agency continued the implementation of fourteen ongoing foreign-assisted projects. A total of ₱3,360 M was programmed for these projects. This amount is 73% of the total approved irrigation budget of ₱4,629 M for CY 2005.

As of December 31, 2005, total allotment released for these projects was ₱2,958 M with corresponding cash/non-cash support of ₱574 M. Obligations incurred amounted to ₱2,462 M.

Moreover, carry-over funds of ₱361 M which were unobligated from previous years allocation were utilized and obligated during the year.

Hence, total available allotment amounted to ₱3,319 M with corresponding cash/non-cash support of ₱660 M. Total obligations incurred amounted to ₱2,823 M.

Physical targets for these projects were the generation of 7,606 ha of new areas and the rehabilitation of 22,316 ha in existing irrigation systems. These targets represented 40% and 18% of the total target area of the agency for generation and rehabilitation for CY 2005, respectively.

As of December 31, 2005, these projects generated 4,212 ha of new areas for irrigation and rehabilitated 20,549 ha in existing irrigation systems. Thus the agency's accomplishment is 55% and 92%, respectively, of the total target area in foreign-assisted projects.

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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### **B. Locally-Funded NIA Projects**

There were 15 locally-funded projects implemented during the year. Of the CY 2005 approved irrigation budget, 27% or ₱1,269 M is programmed for these projects. Correspondingly, allotment released was ₱1,269 M. Obligations incurred was ₱942 M. Physical target for the year was the generation of 6,186 ha of new areas and rehabilitation of 97,443 ha in existing systems or 33% and 79% of the total agency's targets for CY 2005.

As of the last quarter of CY 2005, these projects generated 1,809 ha of new areas and rehabilitated 72,074 ha in existing systems.

Total available allotment for these projects including carry-over funds from previous year's allocation and additional allotment releases amounted to ₱1,555 M. Obligations incurred amounted to ₱1,228 M.

### **C. Carry-over Projects**

Carry-over projects from CY 2004 Program were also pursued. Unobligated balances of ₱26 M from previous year's allocation for these projects were utilized and obligated.

### **D. Inter-Agency Projects**

In addition to the regular program, the agency continued the implementation of the following inter-agency projects:

- a. Comprehensive Agrarian Reform Program– Irrigation Component (CARP-IC) Phase II funded under DAR's Agrarian Reform Fund

CARP Phase II, with an aggregate cost of ₱8.5 B, started in 1999 and shall be completed in 2008. The project will improve/construct existing CIS and new CIP to irrigate 34,428 ha when fully operational.

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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For CY 2005, the project targeted 61 CIS/CIP covering 2,838 ha of new area for generation and 2,252 ha for rehabilitation.

Accomplishments as of the fourth quarter were the generation of 449 ha of new areas and rehabilitation of 1,359 ha.

During the period under review, 14 CIP/CIS implemented under CARP Phase II were completed. These will irrigate about 1,425 ha when fully operational.

Allocation for the year amounted to ₱321 M (₱227 M from CY 2005 Program and ₱94 M from carry-over fund balances). As of end of December, total available allotment amounted to ₱281 M with corresponding cash support of ₱220 M was received. Obligation incurred amounted to ₱259 M.

- b. Agrarian Reform Infrastructure Support Project II (ARISP II) partly funded under JBIC loan.

The project aims to undertake both infrastructure and institutional components. The infrastructure component deals with the construction of irrigation and drainage facilities and post-harvest facilities to boost agricultural productivity and maximize benefits from agricultural production. While the institutional component deals with the formation of farmers into IA and cooperatives to build viable and self-sustaining communities.

Activities for the year were implemented utilizing also the carry-over fund balances of previous year's and CY 2005 allocation amounting to ₱789 M and ₱350 M respectively, or a total of ₱1,139 M.

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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As of the end of the year, total available allotment is ₱1,063 M with corresponding cash support of ₱488 M was received.

Correspondingly, 4,069 ha were generated and 2,295 ha rehabilitated on 42 CIS/CIP. Total obligation incurred amounted to ₱613 M.

Twenty-six CIP/CIS implemented under ARISP II were completed as of end of the year. These subprojects will irrigate some 3,980 ha when fully operational.

c. Agrarian Reform Communities Development Project (ARCDP) Phase II  
funded by the World Bank

ARCDP Phase II is a four-year development project covering 80 Agrarian Reform Communities in 17 provinces with a target service area of 8,300 ha.

This project started in the 2<sup>nd</sup> quarter of CY 2004. Forty-eight subprojects were identified for pre-engineering activities. For CY 2005, pre-engineering activities are conducted in 28 subprojects. Feasibility studies (FS) in twenty subprojects were completed and 7 are still ongoing. Detailed engineering activities were completed in thirteen of the twenty completed FS. Hence, construction of eleven subprojects are ready for construction.

Total available allotment as of the end of the year amounted to ₱16.7 M with corresponding cash support of ₱12.0 M.

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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d. Mindanao Sustainable Settlement Area Development Project (MINNSAD)  
funded under the JBIC 25<sup>th</sup> Yen Loan Program

The Project started in January 2002 and is expected to be completed in December 2007. The project has three components, namely: The irrigation development, post-harvest facilities and institutional development.

Under these components, farmers will be organized and developed into IA to become effective partners of NIA in irrigation development and boost agricultural production within the DAR selected settlement areas in Regions 10, 11 and 13.

Under this project, a total of 25 CIP/CIS, with a total estimated cost of ₱510.31 M, is programmed for construction/rehabilitation. These projects will irrigate some 2,700 ha when fully operational.

As of year-end, feasibility studies on 21 projects were completed and four are still ongoing. Of the 21 projects, 19 projects were found to be feasible, 1 not feasible and 1 to be deferred. Detailed engineering for fourteen projects of the 19 projects were completed. Construction is already ongoing for 3 projects.

Total available allotment for the year was ₱65.8 M (₱65.2 M from CY 2005 Program and ₱0.6 M from carry-over funds). Correspondingly, this amount was supported with cash/non-cash of ₱55.7 M. Obligation incurred was ₱26.2

**OPERATION  
AND  
MAINTENANCE  
ACTIVITIES**

## **OPERATION AND MAINTENANCE ACTIVITIES**

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### **I. Operation and Maintenance of National Irrigation Systems (NIS)**

NIA operated and maintained 199 NIS under 115 responsibility centers or irrigation systems offices nationwide with a total service area of 695,774 ha.

The programmed area for irrigation this crop year is 1,031,323 ha. As of year-end, irrigated area was 476,450 ha during the dry season (November 2004 to April 2005) and 496,242 ha during the wet season (May 2005 to October 2005) or a total of 972,692 ha which is 94 % of the programmed area. The irrigated cropping intensity attained was 140 percent. (Annex E)

### **II. Institutional Development Program**

The organization and development of farmer-beneficiaries were continuously undertaken nationwide to facilitate implementation of irrigation development and management. Trainings were conducted to increase the capabilities of farmer-beneficiaries.

As of December 31, 2005, sixty-seven IA were organized and 1,028 IA strengthened in NIS and CIS. Forty-three IA were registered with the Securities and Exchange Commission.

A total of 121 IA contracted with NIA for the operation and maintenance of irrigation systems, while 990 IA renewed their contracts.

Basic Leadership Development and Financial Management & System Management Trainings were conducted in 11,024 irrigation beneficiaries. Orientation Training was conducted for 1,386 staff-members.

## **OPERATION AND MAINTENANCE ACTIVITIES**

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### **III. Status of Irrigation Development**

As of December 31, 2005, the total service area developed was 1,413,236 or 45% of the estimated potential irrigable area of 3,126,340 ha. Of this area, 695,774 ha are under NIS, 543,262 in CIS and 174,200 in private irrigation systems (PIS). The remaining potential area to be developed is still 1,713,100 ha. The estimated potential irrigable area are those primarily devoted to rice and corn and up to 3% slope. (see Annex D)

### **IV. Equipment Management**

The agency satisfactorily maintained in operating condition 3,741 units of equipment or 46% of the 8,075 units. This is composed of 449 heavy equipment, 1,938 light equipment, 909 other equipment, 163 special equipment and 282 irrigation pumps. There are 2,039 units that are under Category A2 or operating intermittently and less reliable equipment and 940 units under Category A3 or non-operable equipment needing repair.

The 449 units of heavy equipment that are in good condition are used to support project construction, repair and rehabilitation of existing NIS, and O&M of NIS.

As of end of the year, 1,355 units are recommended for disposal. The sale through public auction of unserviceable equipment was pursued to reduce further unnecessary operating expenditures and deterioration.

# **ANNEXES**

## CY 2005 IRRIGATION PROGRAM

Project / Location / Date Started / Target Completion Date	Financial Program (P1,000)				Physical Targets (ha)		
	CY 2005 Approved Capital Outlay		Unprogrammed Funds & Other Sources		Total	New	Rehab
	Local	Forex	Local	Forex			
<b>I. NIA PROJECTS</b>							
<b>A. FOREIGN-ASSISTED PROJECTS</b>							
<b>1) Ongoing</b>							
1. Malitubog-Maridagao Irrigation Project North Cotabato and Maguindanao October 1989/December 2005	121,298	-	-	-	121,298	880	-
2. Lower Agusan Development Project Agusan Del Norte January 1996/December 2005	80,059	111,250	839	-	192,148	2,035	-
3. Irrigation System Improvement Project II Northern Leyte January 1996/June 2005	52,048	35,028	-	-	87,076	1,547	223
4. Water Resources Development Project Nationwide March 1997/June 30, 2005	9,467	22,013	-	-	31,480	83	3,227
5. Casecnan Multipurpose Irrigation and Power Project Irrigation Component Nueva Ecija, Bulacan & Pampanga October 1997/December 2007	165,000	335,000	-	250,000	750,000	1,500	3,000
6. Tarlac Groundwater Irrigation System Reactivation Project Tarlac July 1999/December 2005	35,403	65,061	-	-	100,464	540	33
7. Bohol Irrigation Project II Bohol January 2000/December 2007	100,000	400,000	1,917	150,000	651,917	Dam Construction	
8. Southern Philippines Irrigation Sector Project Regions 6, 7, ARMM & 13 January 2000/December 2007	280,865	344,927	-	-	625,792	981	1,330
9. Help for Catubig Agricultural Advancement Project, Stage 1 Northern Samar April 2002 - December 2009	56,000	100,000	-	-	156,000	40	
10. Bago RIS Rehabilitation and Improvement Project Negros Occidental February 2003 - November 2007	80,000	220,000	-	-	300,000	-	2,151
11. Banaoang Pump Irrigation Project Ilocos Sur 2002 - December 2006	100,000	150,000	-	-	250,000	Construction Activities	

## CY 2005 IRRIGATION PROGRAM

Project / Location / Date Started / Target Completion Date	Financial Program (P1,000)				Physical Targets (ha)		
	CY 2005 Approved Capital Outlay		Unprogrammed Funds & Other Sources		Total	New	Rehab
	Local	Forex	Local	Forex			
12. Rehabilitation of Cagayan Integrated Development Project Cagayan 2003-2004	56,890	-	15,813	-	72,703	-	12,352
13. Rehab of Apron at Angat Afterbay Regulatory Dam Proj Contingent Fund	-	-	17,468	-	17,468		
14. Participatory Irrigation Development Project Grant Proceeds			3,934	-	3,934		
<b>Subtotal</b>	<b>1,137,030</b>	<b>1,783,279</b>	<b>39,971</b>	<b>400,000</b>	<b>3,360,280</b>	<b>7,606</b>	<b>22,316</b>
<b>B. Locally Funded Projects</b>							
<b>1) Ongoing</b>							
1. Small Reservoir Irrigation Project January 1989/December 2010	72,296	-	-	-	72,296	261	-
2. Addalam River Irrigation Project Quirino and Isabela March 1997/December 2005	109,330	-	-	-	109,330	1,200	-
3. Bubunawan Irrigation Project Bukidnon November 1996/December 2006	30,000	-	-	-	30,000	250	-
4. Balog-Balog Multi Purpose Irrigation Project Tarlac January 1999/December 2010	140,000	-	-	-	140,000	-	145
5. Dolores Irrigation Project Eastern Samar September 1996/December 2008	30,000	-	-	-	30,000	180	-
6. Catubig Valley Irrigation Project Northern Samar November 1996/December 2006	20,000	-	-	-	20,000	80	280
7. Basey Irrigation Project Samar November 1996/December 2009	20,000	-	-	-	20,000	-	-
8. Aulo Irrigation Project Nueva Ecija March 1995/December 2005	51,634	-	-	-	51,634	810	-
9. Repair/Rehabilitation of Groundwater Irrigation Project Nationwide 1996 - 2006	20,000	-	-	-	20,000	569	291

## CY 2005 IRRIGATION PROGRAM

Project / Location / Date Started / Target Completion Date	Financial Program (P1,000)				Physical Targets (ha)		
	CY 2005 Approved Capital Outlay		Unprogrammed Funds & Other Sources		Total	New	Rehab
	Local	Forex	Local	Forex			
10. Balikatan Sagip Patubig Project Nationwide	350,000	-	-	-	350,000	2,818	24,594
11. Repair/Rehabilitation/Construction of New and Existing NIS/CIS	350,000	-	20,000	-	370,000	18	72,133
12. Itbayat Integrated Agricultural Development Project Batanes	22,000	-	-	-	22,000	Construction Activities	
13. Agri-Institutional Development Project	10,000	-	-	-	10,000	IA Development	
14. Feasibility Study & Detailed Eng'ng of Various Projects	20,000	-	-	-	20,000	FS & DE of Various Project	
15. Priority Development Assistance Fund	-	-	3,400	-	3,400	-	-
<b>Subtotal</b>	<b>1,245,260</b>	<b>-</b>	<b>23,400</b>	<b>-</b>	<b>1,268,660</b>	<b>6,186</b>	<b>97,443</b>
<b>TOTAL FOR NIA PROJECTS</b>	<b>2,382,290</b>	<b>1,783,279</b>	<b>63,371</b>	<b>400,000</b>	<b>4,628,940</b>	<b>13,792</b>	<b>119,759</b>
<b>II. INTER-AGENCY PROJECTS</b>							
1. Comprehensive Agrarian Reform Program Irrigation-Component (Phase I & II)							
a. Agrarian Reform Fund - Phase II Nationwide June 1999/December 2008	226,813	-	-	-	226,813	2,838	2,252
b. Agrarian Reform Infrastructure Support Project - Phase II Nationwide 2000 - 2007	49,884	300,116	-	-	350,000	2,165	847
c. Agrarian Reform Communities Development Project - Phase II Nationwide 2004 - 2006	183,600	165,240	-	-	348,840	Pre-Engineering	
d. Mindanao Sustainable Settlement Area Development Project Regions X, XI and XIII 2002 - 2007	16,144	49,041	-	-	65,185	88	699
<b>TOTAL FOR INTER-AGENCY PROJECTS</b>	<b>476,441</b>	<b>514,397</b>	<b>-</b>	<b>-</b>	<b>990,838</b>	<b>5,091</b>	<b>3,798</b>
<b>TOTAL FOR IRRIGATION</b>	<b>2,858,731</b>	<b>2,297,676</b>	<b>63,371</b>	<b>400,000</b>	<b>5,619,778</b>	<b>18,883</b>	<b>123,557</b>

**PHYSICAL STATUS OF IRRIGATION PROJECTS**  
**CY 2005 PROGRAM**  
As of December 31, 2005

Project	Irrigable Area (ha)		Area (ha)				Overall Project Status (%)	
			Target	Actual (January to December 2005)				Actual To Date
				CY 2005	Carry-Over Program	Total		
<b>I. NIA PROJECTS</b>								
<b>A. FOREIGN-ASSISTED PROJECTS</b>								
<b>a) ONGOING</b>								
1. MMIP	N	10,840	880	661	-	661	7,072 *	96.40
2. LADP	N	7,922	2,035	310	-	310	6,197	97.27
3. ISIP II	N	3,144	1,547	935	-	935	2,532	99.22
	R	12,249	223	223	-	223	12,249	
4. WRDP	N	2,230	83	153	-	153	1,783	100.00
	R	76,799	3,227	2,579	-	2,579	76,151	
5. CMIPP-IC	N	26,920	1,500	1,530	-	1,530	14,644	55.47
	R	55,100	3,000	3,404	-	3,404	44,279	
6. TGISRP	N	3,020	540	320	-	320	2,800	97.24
	R	380	33	-	-	-	347	
7. BIP II	N	4,550	Dam Construction			-	-	58.84
	R	750				510		
8. SPISP	N	5,686	981	265	-	265	881	53.04
	R	6,293	1,330	91	-	91	1,739	
9. HCAAP	N	4,550	40	38	-	38	38	21.96
	R		-	-	-	-		
10. BRISRIP	N	1,325	-	-	-	-	-	20.35
	R	11,952	2,151	1,900	-	1,900	1,900	
11. BPIP	N	6,000	Construction Activities			-	-	37.00
12. RCIADP	R	14,551	12,352	12,352	-	12,352	12,352	100.00
<b>TOTAL ( A )</b>	<b>N</b>	<b>76,187</b>	<b>7,606</b>	<b>4,212</b>	<b>-</b>	<b>4,212</b>	<b>35,947</b>	
	<b>R</b>	<b>178,074</b>	<b>22,316</b>	<b>20,549</b>	<b>-</b>	<b>20,549</b>	<b>149,527</b>	
<b>B. LOCALLY FUNDED PROJECTS</b>								
<b>a) ONGOING</b>								
1. SRIP	N	20,512	261	223	-	223	3,355	22.74
	R	14,093					7,441	
2. Addalam River IP	N	5,830	1,200	-	-	-	-	70.57
3. Bubunawan IP 2	N	1,000	250	-	-	-	-	59.40
	R		-	-	-	-	-	
4. BBMP	N	2,220		-	-	-	-	54.00
	R	10,255	145	116	-	116	7,169	
5. Dolores IP	N	1,629	180	146	-	146	1,306 *	62.00
	R	500	-	-	-	-	500	
6. Catubig Valley IP	N	700	80	-	-	-	100 *	87.00
	R	1,060	280	40	-	40	1,310 *	
7. Basey IP	N	3,000	-	-	-	-	15 *	14.75
	R		-	-	-	-	-	

**PHYSICAL STATUS OF IRRIGATION PROJECTS**  
**CY 2005 PROGRAM**  
As of December 31, 2005

Project	Irrigable Area (ha)		Area (ha)				Overall Project Status (%)		
			Target	Actual (January to December 2005)				Actual To Date	
				CY 2005	Carry-Over Program	Total			
8. Aulo IP	N	810	810	-	-	-	-	78.94	
9. Itbayat IADP	N	200	Construction Activities				-	66.86	
<b>Subtotal</b>	<b>N</b>	<b>34,891</b>	<b>2,781</b>	<b>369</b>	<b>-</b>	<b>369</b>	<b>4,776</b>		
	<b>R</b>	<b>25,908</b>	<b>425</b>	<b>156</b>	<b>-</b>	<b>156</b>	<b>16,420</b>		
<b>b) CONTINUING ACTIVITIES</b>									
1. RRGIP	N	52,280	569	50	72	122	16,225	27.00	
	R	8,000	291	14	24	38	2,434		
2. BSPP	N	2,818	2,818	233	1,085	1,318	1,451	23.00	
180	R	27,972	24,594	1,554	10,602	12,156	19,342		
3. RRCNENIS/CIS	N		18	-	-	-	46	36.01	
	R		72,133	45,391	14,333	59,724	105,515		
4. AIDP			See Annex E						
5. FSDE			FS & DE of Various Project						
<b>Subtotal</b>	<b>N</b>	<b>55,098</b>	<b>3,405</b>	<b>283</b>	<b>1,157</b>	<b>1,440</b>	<b>17,722</b>		
	<b>R</b>	<b>35,972</b>	<b>97,018</b>	<b>46,959</b>	<b>24,959</b>	<b>71,918</b>	<b>127,291</b>		
<b>TOTAL ( B )</b>	<b>N</b>	<b>89,989</b>	<b>6,186</b>	<b>652</b>	<b>1,157</b>	<b>1,809</b>	<b>22,498</b>		
	<b>R</b>	<b>61,880</b>	<b>97,443</b>	<b>47,115</b>	<b>24,959</b>	<b>72,074</b>	<b>143,711</b>		
<b>TOTAL ( A &amp; B )</b>	<b>N</b>	<b>166,176</b>	<b>13,792</b>	<b>4,864</b>	<b>1,157</b>	<b>6,021</b>	<b>58,445</b>		
	<b>R</b>	<b>239,954</b>	<b>119,759</b>	<b>67,664</b>	<b>24,959</b>	<b>92,623</b>	<b>293,238</b>		
<b>II. INTER-AGENCY PROJECTS</b>									
<b>A. CARP-IC</b>									
1. ARF									
a. ARF Phase II (Regular)	N	34,428	2,838	449	-	449	8,667	68.74	
	R	65,399	2,252	1,359	-	1,359	11,653 *		
b. ARF Priority Projects	N	600	-	-	-	-	600	98.52	
	R	45,826	-	-	14,588	14,588	45,318		
2. ARISP II	N	17,338	2,165	150	3,919	4,069	9,553	69.65	
	R	10,742	847	-	2,295	2,295	8,401		
3. ARCDP II			Pre-Engineering				-	75.64	
							-		
4. MINSSAD	N	1,619	88	-	-	-	-	Just	
	R	1,069	699	-	-	-	-	Started	
<b>TOTAL FOR INTER-AGENCY PROJECTS</b>	<b>N</b>	<b>53,985</b>	<b>5,091</b>	<b>599</b>	<b>3,919</b>	<b>4,518</b>	<b>18,820</b>		
	<b>R</b>	<b>123,036</b>	<b>3,798</b>	<b>1,359</b>	<b>16,883</b>	<b>18,242</b>	<b>65,372</b>		
<b>TOTAL FOR IRRIGATION</b>	<b>N</b>	<b>220,161</b>	<b>18,883</b>	<b>5,463</b>	<b>5,076</b>	<b>10,539</b>	<b>77,265</b>		
	<b>R</b>	<b>362,990</b>	<b>123,557</b>	<b>69,023</b>	<b>41,842</b>	<b>110,865</b>	<b>358,610</b>		

**NOTE:**

- \* - Adjusted/Corrected
- N - New Area, in hectares
- R - Rehab Area, in hectares

**FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2005 PROGRAM**  
As of December 31, 2005  
(In Thousand Pesos)

Project	CY 2005 IRRIGATION PROGRAM				Unobligated Balance as of Dec. 2004	CARRY-OVER FUNDS				REGULAR CY 2005 PROGRAM & CARRY-OVER FUNDS			
	CY 2005 Program	January 1 - December 31, 2005				Realignment	January 1 - December 31, 2005			Total CY Program	January 1 - December 31, 2005		
		Releases					Releases				Total Available Allotment	Cash/ Non-Cash Support	Obligation
		Allotment * as Realigned	Cash/ Non-Cash Support	Obligation *			Allotment	Cash/ Non-Cash Support	Obligation				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10=1+5+6+7)	(11=2+5+6+7)	(12=3+8)	(13=4+9)	
<b>I. NIA PROJECTS</b>													
<b>A. FOREIGN-ASSISTED PROJECTS</b>													
<b>a). ONGOING</b>													
1. MMIP	PC 121,298	121,298	49,694	99,239	34,876	-	-	4,739	34,876	156,174	156,174	54,433	134,115
	LP -	-	-	-	-	-	-	-	-	-	-	-	-
	TP 121,298	121,298	49,694	99,239	34,876	-	-	4,739	34,876	156,174	156,174	54,433	134,115
2. LADP	PC 80,898	103,513	15,933	40,380	-	-	-	-	-	80,898	103,513	15,933	40,380
	LP 111,250	88,635	11,634	45,264	20,608	-	-	-	20,608	131,858	109,243	11,634	65,872
	TP 192,148	192,148	27,567	85,644	20,608	-	-	-	20,608	212,756	212,756	27,567	106,252
3. ISIP II	PC 52,048	52,048	34,613	38,633	41,528	-	-	-	41,528	93,576	93,576	34,613	80,161
	LP 35,028	425	-	425	9,600	-	-	-	9,600	44,628	10,025	-	10,025
	TP 87,076	52,473	34,613	39,058	51,128	-	-	-	51,128	138,204	103,601	34,613	90,186
4. WRDP	PC 9,467	9,467	10,028	3,732	15,676	-	-	-	15,676	25,143	25,143	10,028	19,408
	LP 22,013	22,013	39,308	22,003	26,313	-	-	-	26,313	48,326	48,326	39,308	48,316
	TP 31,480	31,480	49,336	25,735	41,989	-	-	-	41,989	73,469	73,469	49,336	67,724
5. CMIPP-IC	PC 165,000	182,678	101,447	180,237	16,141	-	-	-	16,141	181,141	198,819	101,447	196,378
	LP 585,000	557,110	23,256	430,978	19,428	-	-	-	19,428	604,428	576,538	23,256	450,406
	TP 750,000	739,788	124,703	611,215	35,569	-	-	-	35,569	785,569	775,357	124,703	646,784
6. TGISRP	PC 35,403	32,702	26,423	26,211	848	-	-	659	848	36,251	33,550	27,082	27,059
	LP 65,061	48,796	-	34,126	-	-	-	79,374	-	65,061	48,796	79,374	34,126
	TP 100,464	81,498	26,423	60,337	848	-	-	80,033	848	101,312	82,346	106,456	61,185
7. BIP II	PC 101,917	101,917	36,419	100,892	10,373	-	-	-	10,373	112,290	112,290	36,419	111,265
	LP 550,000	460,235	907	457,660	22,959	-	-	-	22,959	572,959	483,194	907	480,619
	TP 651,917	562,152	37,326	558,552	33,332	-	-	-	33,332	685,249	595,484	37,326	591,884
8. SPISP	PC 280,865	245,948	55,362	190,242	42,504	-	-	-	42,504	323,369	288,452	55,362	232,746
	LP 344,927	326,927	106,940	306,256	9,684	-	-	-	9,684	354,611	336,611	106,940	315,940
	TP 625,792	572,875	162,302	496,498	52,188	-	-	-	52,188	677,980	625,063	162,302	548,686
9. HCAAP	PC 56,000	44,265	12,863	24,864	7,825	-	-	1,609	7,825	63,825	52,090	14,472	32,689
	LP 100,000	48,175	7,119	37,648	7,500	-	-	-	7,500	107,500	55,675	7,119	45,148
	TP 156,000	92,440	19,982	62,512	15,325	-	-	1,609	15,325	171,325	107,765	21,591	77,837

**FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2005 PROGRAM**  
As of December 31, 2005  
(In Thousand Pesos)

Project	CY 2005 IRRIGATION PROGRAM				Unobligated Balance as of Dec. 2004	CARRY-OVER FUNDS				REGULAR CY 2005 PROGRAM & CARRY-OVER FUNDS				
	CY 2005 Program	January 1 - December 31, 2005				Realignment	January 1 - December 31, 2005			Total CY Program	January 1 - December 31, 2005			
		Releases					Releases				Total Available Allotment	Cash/ Non-Cash Support	Obligation	
		Allotment * as Realigned	Cash/ Non-Cash Support	Obligation *			Allotment	Cash/ Non-Cash Support	Obligation					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10=1+5+6+7)	(11=2+5+6+7)	(12=3+8)	(13=4+9)		
10. BRIS RIP	PC	80,000	75,000	13,865	29,619	11,789	-	-	-	11,789	91,789	86,789	13,865	41,408
	LP	220,000	120,000	-	106,292	39,328	-	-	-	39,328	259,328	159,328	-	145,620
	TP	300,000	195,000	13,865	135,911	51,117	-	-	-	51,117	351,117	246,117	13,865	187,028
11. BPIP	PC	100,000	75,000	16,764	58,267	23,306	-	-	-	23,306	123,306	98,306	16,764	81,573
	LP	150,000	150,000	-	150,000	-	-	-	-	-	150,000	150,000	-	150,000
	TP	250,000	225,000	16,764	208,267	23,306	-	-	-	23,306	273,306	248,306	16,764	231,573
12. RCIADP	PC	72,703	70,025	11,052	60,167	847	-	-	-	847	73,550	70,872	11,052	61,014
	LP	-	-	-	-	-	-	-	-	-	-	-	-	-
	TP	72,703	70,025	11,052	60,167	847	-	-	-	847	73,550	70,872	11,052	61,014
13. Rehab of Apron at AARDP Contingent Fund	PC	17,468	17,468	-	17,468	-	-	-	-	-	17,468	17,468	-	17,468
	LP	-	-	-	-	-	-	-	-	-	-	-	-	-
	TP	17,468	17,468	-	17,468	-	-	-	-	-	17,468	17,468	-	17,468
14. Participatory Irrigation Dev't. Project Grant Proceeds	PC	3,934	3,934	-	1,574	-	-	-	-	-	3,934	3,934	-	1,574
	LP	-	-	-	-	-	-	-	-	-	-	-	-	-
	TP	3,934	3,934	-	1,574	-	-	-	-	-	3,934	3,934	-	1,574
<b>TOTAL ( A )</b>	PC	<b>1,177,001</b>	<b>1,135,263</b>	<b>384,463</b>	<b>871,525</b>	<b>205,713</b>	-	-	<b>7,007</b>	<b>205,713</b>	<b>1,382,714</b>	<b>1,340,976</b>	<b>391,470</b>	<b>1,077,238</b>
	LP	<b>2,183,279</b>	<b>1,822,316</b>	<b>189,164</b>	<b>1,590,652</b>	<b>155,420</b>	-	-	<b>79,374</b>	<b>155,420</b>	<b>2,338,699</b>	<b>1,977,736</b>	<b>268,538</b>	<b>1,746,072</b>
	TP	<b>3,360,280</b>	<b>2,957,579</b>	<b>573,627</b>	<b>2,462,177</b>	<b>361,133</b>	-	-	<b>86,381</b>	<b>361,133</b>	<b>3,721,413</b>	<b>3,318,712</b>	<b>660,008</b>	<b>2,823,310</b>
<b>B. LOCALLY FUNDED PROJECTS</b>														
<b>a. ONGOING</b>														
1. SRIP	PC	72,296	62,296	4,417	50,184	4,101	-	-	-	4,101	76,397	66,397	4,417	54,285
2. Addalam River IP	PC	109,330	76,330	24,825	48,204	66,204	-	-	-	66,204	175,534	142,534	24,825	114,408
3. Bubunawan IP 2	PC	30,000	30,000	1,584	15,049	1,252	-	-	-	1,252	31,252	31,252	1,584	16,301
4. BBMP	PC	140,000	130,000	61,976	118,269	7,394	-	-	5,807	7,394	147,394	137,394	67,783	125,663
5. Dolores IP	PC	30,000	29,999	5,506	29,709	1,175	-	-	-	1,175	31,175	31,174	5,506	30,884
6. Catubig Valley IP	PC	20,000	20,000	2,204	19,912	149	-	-	-	149	20,149	20,149	2,204	20,061
7. Basey IP	PC	20,000	20,000	4,420	19,862	233	-	-	-	233	20,233	20,233	4,420	20,095
8. Aulo IP	PC	51,634	51,633	3,860	29,157	19,409	-	-	-	19,409	71,043	71,042	3,860	48,566
9. RRGIP	PC	20,000	19,999	4,898	15,180	2,162	-	-	-	2,162	22,162	22,161	4,898	17,342
10. BSPP	PC	350,000	318,500	34,702	237,644	25,116	-	-	-	25,116	375,116	343,616	34,702	262,760

**FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2005 PROGRAM**  
As of December 31, 2005  
(In Thousand Pesos)

Project	CY 2005 IRRIGATION PROGRAM					CARRY-OVER FUNDS					REGULAR CY 2005 PROGRAM & CARRY-OVER FUNDS			
	CY 2005 Program	January 1 - December 31, 2005				Unobligated Balance as of Dec. 2004	Realignment	January 1 - December 31, 2005		Obligation	Total CY Program	January 1 - December 31, 2005		
		Releases		Obligation *	Releases			Total Available Allotment	Cash/ Non-Cash Support			Obligation		
		Allotment * as Realigned	Cash/ Non-Cash Support		Allotment								Cash/ Non-Cash Support	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10=1+5+6+7)	(11=2+5+6+7)	(12=3+8)	(13=4+9)		
11. Itbayat IADP	PC	22,000	2,475	275	825	19,000	-	-	-	19,000	41,000	21,475	275	19,825
12. AIDP	PC	10,000	10,000	717	5,434	4,066	-	-	-	4,066	14,066	14,066	717	9,500
13. FSDE	PC	20,000	20,000	250	11,234	-	-	-	-	-	20,000	20,000	250	11,234
14. RRCNENIS/CIS	PC	370,000	474,025	96,540	338,252	111,315	-	-	-	111,315	481,315	585,340	96,540	449,567
15. PDAF	PC	3,400	3,400	-	3,250	1,140	23,350	-	-	24,490	27,890	27,890	-	27,740
<b>TOTAL ( B )</b>	PC	<b>1,268,660</b>	<b>1,268,657</b>	<b>246,174</b>	<b>942,165</b>	<b>262,716</b>	<b>23,350</b>	<b>-</b>	<b>5,807</b>	<b>286,066</b>	<b>1,554,726</b>	<b>1,554,723</b>	<b>251,981</b>	<b>1,228,231</b>
<b>TOTAL ( A &amp; B )</b>	PC	<b>2,445,661</b>	<b>2,403,920</b>	<b>630,637</b>	<b>1,813,690</b>	<b>468,429</b>	<b>23,350</b>	<b>-</b>	<b>12,814</b>	<b>491,779</b>	<b>2,937,440</b>	<b>2,895,699</b>	<b>643,451</b>	<b>2,305,469</b>
	LP	<b>2,183,279</b>	<b>1,822,316</b>	<b>189,164</b>	<b>1,590,652</b>	<b>155,420</b>	<b>-</b>	<b>-</b>	<b>79,374</b>	<b>155,420</b>	<b>2,338,699</b>	<b>1,977,736</b>	<b>268,538</b>	<b>1,746,072</b>
	TP	<b>4,628,940</b>	<b>4,226,236</b>	<b>819,801</b>	<b>3,404,342</b>	<b>623,849</b>	<b>23,350</b>	<b>-</b>	<b>92,188</b>	<b>647,199</b>	<b>5,276,139</b>	<b>4,873,435</b>	<b>911,989</b>	<b>4,051,541</b>
<b>C. CARRY-OVER PROJECTS</b>														
<b>b) LOCALLY FUNDED PROJECTS</b>														
1. PDDP-IC	PC			-		18,975	-	-	18,975	18,975	18,975	18,975	18,975	18,975
2. Const. Of Checkgate and other related Structures	PC			-		660	-	-	-	660	660	660	-	660
3. Talakag IP	PC			-		964	-	-	-	964	964	964	-	964
4. Talibon SRIP	PC			-		131	-	-	124	131	131	131	124	131
5. Balingasag RIP	PC			-		60	-	-	7	60	60	60	7	60
6. ARIIP	PC			-		5,470	-	-	2	5,470	5,470	5,470	2	5,470
<b>TOTAL ( C )</b>	PC	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26,260</b>	<b>-</b>	<b>-</b>	<b>19,108</b>	<b>26,260</b>	<b>26,260</b>	<b>26,260</b>	<b>19,108</b>	<b>26,260</b>
<b>D. LUMP SUM NCA RECEIVED</b>														
<b>a) FOREIGN-ASSISTED PROJECTS</b>	PC			<b>496,606</b>					<b>34,290</b>				<b>530,896</b>	
	LP			<b>3,935</b>					<b>1,670</b>				<b>5,605</b>	
	TP			<b>500,541</b>					<b>35,960</b>				<b>536,501</b>	
<b>b) LOCALLY FUNDED PROJECTS</b>	PC			<b>783,406</b>					<b>238,298</b>				<b>1,021,704</b>	
<b>TOTAL ( D )</b>	PC			<b>1,280,012</b>					<b>272,588</b>				<b>1,552,600</b>	
	LP			<b>3,935</b>					<b>1,670</b>				<b>5,605</b>	
	TP			<b>1,283,947</b>					<b>274,258</b>				<b>1,558,205</b>	
<b>TOTAL FOR NIA PROJECTS ( I )</b>	PC	<b>2,445,661</b>	<b>2,403,920</b>	<b>1,910,649</b>	<b>1,813,690</b>	<b>494,689</b>	<b>23,350</b>	<b>-</b>	<b>304,510</b>	<b>518,039</b>	<b>2,963,700</b>	<b>2,921,959</b>	<b>2,215,159</b>	<b>2,331,729</b>
	LP	<b>2,183,279</b>	<b>1,822,316</b>	<b>193,099</b>	<b>1,590,652</b>	<b>155,420</b>	<b>-</b>	<b>-</b>	<b>81,044</b>	<b>155,420</b>	<b>2,338,699</b>	<b>1,977,736</b>	<b>274,143</b>	<b>1,746,072</b>
	TP	<b>4,628,940</b>	<b>4,226,236</b>	<b>2,103,748</b>	<b>3,404,342</b>	<b>650,109</b>	<b>23,350</b>	<b>-</b>	<b>385,554</b>	<b>673,459</b>	<b>5,302,399</b>	<b>4,899,695</b>	<b>2,489,302</b>	<b>4,077,801</b>

**FINANCIAL STATUS OF IRRIGATION PROJECTS  
CY 2005 PROGRAM  
As of December 31, 2005  
(In Thousand Pesos)**

Project	CY 2005 IRRIGATION PROGRAM					CARRY-OVER FUNDS					REGULAR CY 2005 PROGRAM & CARRY-OVER FUNDS			
	CY 2005 Program	January 1 - December 31, 2005				Unobligated Balance as of Dec. 2004	Realignment	January 1 - December 31, 2005			Total CY Program	January 1 - December 31, 2005		
		Releases		Obligation *	Obligation			Releases		Obligation		Total Available Allotment	Cash/ Non-Cash Support	Obligation
		Allotment * as Realigned	Cash/ Non-Cash Support					Allotment	Cash/ Non-Cash Support					
(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)		(10=1+5+6+7)			
<b>II. INTER-AGENCY PROJECTS</b>														
<b>A. CARP-IC</b>														
1. ARF Phase II	PC	226,813	187,053	87,429	164,981	94,395	-	-	132,905	94,395	321,208	281,448	220,334	259,376
2. ARISP II	PC	49,884	11,001	11,001	1,552	189,622	-	-	-	69,300	239,506	200,623	11,001	70,852
	LP	300,116	263,409	227,149	135,719	488,531	-	110,518	249,848	406,873	899,165	862,458	476,997	542,592
	TP	350,000	274,410	238,150	137,271	678,153	-	110,518	249,848	476,173	1,138,671	1,063,081	487,998	613,444
3. ARCDP II	PC	183,600	8,289	7,812	5,486	8,466	-	-	4,233	1,805	192,066	16,755	12,045	7,291
	LP	165,240	-	-	-	-	-	-	-	-	165,240	-	-	-
	TP	348,840	8,289	7,812	5,486	8,466	-	-	4,233	1,805	357,306	16,755	12,045	7,291
4. MINSSAD	PC	16,144	16,144	16,144	3,239	644	-	-	-	-	16,788	16,788	16,144	3,239
	LP	49,041	49,041	39,569	22,992	-	-	-	-	-	49,041	49,041	39,569	22,992
	TP	65,185	65,185	55,713	26,231	644	-	-	-	-	65,829	65,829	55,713	26,231
<b>TOTAL FOR INTER-AGENCY PROJECTS (II)</b>	PC	<b>476,441</b>	<b>222,487</b>	<b>122,386</b>	<b>175,258</b>	<b>293,127</b>	-	-	<b>137,138</b>	<b>165,500</b>	<b>769,568</b>	<b>515,614</b>	<b>259,524</b>	<b>340,758</b>
	LP	<b>514,397</b>	<b>312,450</b>	<b>266,718</b>	<b>158,711</b>	<b>488,531</b>	-	<b>110,518</b>	<b>249,848</b>	<b>406,873</b>	<b>1,113,446</b>	<b>911,499</b>	<b>516,566</b>	<b>565,584</b>
	TP	<b>990,838</b>	<b>534,937</b>	<b>389,104</b>	<b>333,969</b>	<b>781,658</b>	-	<b>110,518</b>	<b>386,986</b>	<b>572,373</b>	<b>1,883,014</b>	<b>1,427,113</b>	<b>776,090</b>	<b>906,342</b>
<b>TOTAL FOR IRRIGATION</b>	PC	<b>2,922,102</b>	<b>2,626,407</b>	<b>2,033,035</b>	<b>1,988,948</b>	<b>787,816</b>	<b>23,350</b>	-	<b>441,648</b>	<b>683,539</b>	<b>3,733,268</b>	<b>3,437,573</b>	<b>2,474,683</b>	<b>2,672,487</b>
	LP	<b>2,697,676</b>	<b>2,134,766</b>	<b>459,817</b>	<b>1,749,363</b>	<b>643,951</b>	-	<b>110,518</b>	<b>330,892</b>	<b>562,293</b>	<b>3,452,145</b>	<b>2,889,235</b>	<b>790,709</b>	<b>2,311,656</b>
	TP	<b>5,619,778</b>	<b>4,761,173</b>	<b>2,492,852</b>	<b>3,738,311</b>	<b>1,431,767</b>	<b>23,350</b>	<b>110,518</b>	<b>772,540</b>	<b>1,245,832</b>	<b>7,185,413</b>	<b>6,326,808</b>	<b>3,265,392</b>	<b>4,984,143</b>

NOTE: CARRY-OVER PROGRAM includes balances from CY 2004 Regular Appropriations

Unaudited financial status as of December 31, 2005.

+ - Includes allotment and obligation from other sources.

PC - Peso Counterpart

LP - Loan Proceeds

TP - Total in Pesos

**STATUS OF IRRIGATION DEVELOPMENT**  
**As of December 31,2005**  
**(In Hectares)**

Region	Estimated Total Irrigable Area a/	Service Area				Irrigation Develop- ment (%)	Remaining Potential Area to be Developed
		National Irrigation System	Communal Irrigation System b/	Private Irrigation System c/	TOTAL		
CAR	99,650	18,058	34,288	22,912	75,258	76	24,392
1	277,180	55,872	95,463	27,329	178,664	64	98,516
2	472,640	138,201	41,090	23,095	202,386	43	270,254
3	498,860	169,820	78,063	20,555	268,438	54	230,422
4	246,960	52,410	52,139	17,962	122,511	50	124,449
5	239,660	20,496	68,801	29,484	118,781	50	120,879
6	197,250	52,216	19,937	5,499	77,652	39	119,598
7	50,740	5,512	21,297	2,539	29,348	58	21,392
8	84,380	16,436	29,216	4,466	50,118	59	34,262
9	76,080	15,162	19,680	1,972	36,814	48	39,266
10	120,700	26,003	22,428	3,982	52,413	43	68,287
11	149,610	32,161	14,223	7,943	54,327	36	95,283
12	293,610	59,028	21,191	2,921	83,140	28	210,470
ARMM	156,720	15,987	7,057	225	23,269	15	133,451
CARAGA	162,300	18,412	18,389	3,316	40,117	25	122,183
<b>TOTAL</b>	<b>3,126,340</b>	<b>695,774</b>	<b>543,262</b>	<b>174,200</b>	<b>1,413,236</b>	<b>45</b>	<b>1,713,104</b>

a/ - Estimated Total Irrigable Area (ETIA) is based on the 3% slope criteria.

b/ - Includes CY 2005 newly developed areas

c/ - Data of Private Irrigation Systems are based on CY 1998 inventory.

**SERVICE AND IRRIGATED AREA OF NATIONAL IRRIGATION SYSTEMS**  
**CROP YEAR 2004-2005**  
**As of December 31, 2005**

REGION	NO. OF NIS	SERVICE AREA (ha)	IRRIGATED AREA (ha)						IRRIGATED CROPPING INTENSITY (%)
			WET SEASON			DRY SEASON			
			PROGRAM	ACTUAL	%	PROGRAM	ACTUAL	%	
CAR	2	18,058	13,400	12,475	93.10	12,850	12,510	97.35	138.36
1	25	55,872	36,557	30,307	82.90	25,671	21,440	83.52	92.62
2	20	138,201	112,862	103,435	91.65	119,017	112,868	94.83	156.51
3	20	169,820	118,003	112,527	95.36	113,340	113,776	100.38	133.26
4	45	52,410	36,009	31,957	88.75	30,580	25,844	84.51	110.29
5	15	20,496	15,188	13,926	91.69	15,811	14,610	92.40	139.23
6	11	52,216	42,393	40,226	94.89	32,542	31,952	98.19	138.23
7	2	5,512	3,500	2,250	64.29	3,350	2,848	85.01	92.49
8	16	16,436	14,629	13,687	93.56	13,919	11,932	85.72	155.87
9	4	15,162	12,640	12,497	98.87	12,153	12,141	99.90	162.50
10	6	26,003	18,366	17,783	96.83	18,222	17,860	98.01	137.07
11	9	32,161	28,205	29,058	103.02	27,516	28,235	102.61	178.14
12	13	59,028	53,514	52,089	97.34	48,819	47,331	96.95	168.43
13	6	18,412	15,069	14,411	95.63	14,700	14,442	98.24	156.71
ARMM	5	15,987	11,972	9,614	80.30	10,526	8,661	82.28	114.31
<b>TOTAL</b>	<b>199</b>	<b>695,774</b>	<b>532,307</b>	<b>496,242</b>	<b>93.22</b>	<b>499,016</b>	<b>476,450</b>	<b>95.48</b>	<b>139.80</b>

*Dry Season - November 2004 to April 2005*

*Wet Season - May 2005 to October 2005*

**IRRIGATORS' ASSOCIATION ORGANIZATION, TRAINING AND DEVELOPMENT**  
**NATIONAL AND COMMUNAL IRRIGATION SYSTEMS/PROJECTS**  
**JANUARY 1 - DECEMBER 31, 2005**

<i>PARTICULARS</i>	<i>CY 2005 TARGET</i>			<i>ACTUAL</i>	<i>STATUS (%)</i>
	<i>Total</i>	<i>NATIONAL</i>	<i>COMMUNAL</i>		
<b>I. <u>IA Organization</u></b>					
a. Number of IA Organized	72	30	42	67	93.06
Area Covered, ha	7,345	5,134	2,211	8,971	122.14
Number of Farmers	8,122	6,314	1,808	7,619	93.81
b. IA Strengthening					
Number of IA	1,479	1,091	388	1,028	69.51
Area Covered, ha	275,675	219,640	56,035	221,116	80.21
Number of Farmers	224,893	176,730	48,163	156,435	69.56
c. Number of IA Registered w/ SEC	55	27	28	43	78.18
Area Covered, ha	4,145	2,654	1,491	6,071	146.47
Number of Farmers	5,229	4,002	1,227	5,202	99.48
<b>II. <u>Memorandum of Agreement Signed</u></b>					
a. New					
Number of IA	213	170	43	121	56.81
Area Covered, ha	14,983	9,616	5,367	24,651	164.53
Number of Farmers	9,530	5,937	3,593	15,996	167.85
b. Renewal					
Number of IA	1,008	941	67	990	98.21
Area Covered, ha	250,472	239,579	10,893	207,977	83.03
Number of Farmers	191,551	181,694	9,857	160,991	84.05
<b>III. <u>Trainings/Workshop</u></b>					
a. IA-Training (Participants)	33,895	20,985	12,910	11,024	32.52
b. Staff Training, Orientation Workshop (Participants)	868	460	408	1,386	159.68

**STATUS OF NIA EQUIPMENT**  
As of December 31, 2005

REGION/ OFFICE	HEAVY EQUIPMENT (H)				LIGHT EQUIPMENT (L)				OTHER EQUIPMENT (O)				SPECIAL EQUIPMENT (S)				SURFACE & DEEP WELL IRRIGATION PUMPS (P)				TOTAL						PERCENT OPERABLE (%)					OVERALL PERCENT OPERABLE (%)
	A1	A2	A3	R	A1	A2	A3	R	A1	A2	A3	R	A1	A2	A3	R	A1	A2	A3	R	H	L	O	S	P	TOTAL	H	L	O	S	P	
1	48	7	6	2	224	4	16	3	116	4	8	4	16	1	-	-	48	-	28	5	63	247	132	17	81	540	79	92	91	94	63	<b>86</b>
2	67	3	5	15	254	5	13	17	88	5	10	43	8	-	1	6	44	-	-	-	90	289	146	15	44	584	89	93	85	89	100	<b>92</b>
3	7	40	13	6	55	277	28	23	33	64	20	18	73	8	-	2	131	-	38	-	66	383	135	83	169	836	12	15	28	90	78	<b>38</b>
4	30	16	12	14	240	71	26	91	26	34	12	87	1	2	2	10	21	-	31	1	72	428	159	15	53	727	52	71	36	20	40	<b>61</b>
5	-	25	11	5	7	139	15	31	5	21	31	58	12	1	2	1	17	-	1	-	41	192	115	16	18	382	-	4	9	80	94	<b>14</b>
6	3	35	27	40	45	179	27	99	6	82	20	93	-	-	-	-	4	-	-	-	105	350	201	-	4	660	5	18	6	-	100	<b>14</b>
7 & 8	55	3	21	32	207	20	52	62	123	2	38	28	2	-	-	-	-	-	-	-	111	341	191	2	-	645	70	74	75	100	-	<b>74</b>
9	1	9	4	10	7	27	2	21	5	26	2	22	1	-	-	-	-	-	-	-	24	57	55	1	-	137	7	19	15	100	-	<b>17</b>
10	61	10	3	-	191	16	3	105	90	15	4	116	-	-	-	-	-	-	-	-	74	315	225	-	-	614	82	91	83	-	-	<b>87</b>
11	34	20	3	21	138	31	4	38	60	22	-	47	6	1	-	2	5	-	-	-	78	211	129	9	5	432	60	80	73	86	100	<b>75</b>
12	34	75	26	12	129	268	140	11	62	70	81	16	3	3	-	-	-	-	-	-	147	548	229	6	-	930	25	24	29	50	-	<b>26</b>
13	72	-	9	1	219	2	27	3	198	1	21	25	22	2	-	5	12	-	-	-	82	251	245	29	12	619	89	88	90	92	100	<b>89</b>
MRIIS	31	10	5	9	133	7	6	16	58	4	2	5	17	1	-	5	-	-	-	-	55	162	69	23	-	309	67	91	91	94	-	<b>87</b>
JPRIIS	3	11	15	2	37	204	19	5	18	95	17	4	2	-	-	8	-	-	-	-	31	265	134	10	-	440	10	14	14	100	-	<b>14</b>
CAR	3	7	5	5	27	29	6	30	21	13	14	15	-	-	-	-	-	-	-	-	20	92	63	-	-	175	20	44	44	-	-	<b>41</b>
CO	-	-	-	-	25	11	6	-	-	1	2	-	-	-	-	-	-	-	-	-	-	42	3	-	-	45	-	60	-	-	-	<b>56</b>
<b>TOTAL</b>	<b>449</b>	<b>271</b>	<b>165</b>	<b>174</b>	<b>1,938</b>	<b>1,290</b>	<b>390</b>	<b>555</b>	<b>909</b>	<b>459</b>	<b>282</b>	<b>581</b>	<b>163</b>	<b>19</b>	<b>5</b>	<b>39</b>	<b>282</b>	<b>-</b>	<b>98</b>	<b>6</b>	<b>1,059</b>	<b>4,173</b>	<b>2,231</b>	<b>226</b>	<b>386</b>	<b>8,075</b>	<b>51</b>	<b>54</b>	<b>55</b>	<b>87</b>	<b>74</b>	<b>56</b>

**NOTE:**

Heavy Equipment (H)  
Cranes, Bulldozers, Excavators, etc.  
Light Equipment (L)  
Service Vehicles, Motorcycles, etc.  
Other Equipment (O)  
Chainsaws, Motorboats, etc.  
Special Equipment (S)  
Drilling Rings, Rice Threshers  
Pumps (P)

A1 - Operable Equipment  
A2 - Operating Intermittently & less reliable Equipment  
A3 - Non-Operable Equipment needing repair  
R - Equipment recommended for disposal