



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

# **YEAR-END REPORT TO THE PRESIDENT**

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**2009**

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



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OUR REFERENCE

5 March 2010

**Honorable Maria Elena Bautista**  
Head, Presidential Management Staff  
Malacañang Palace  
J.P. Laurel St., Metro Manila

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

Dear Madam:

I have the honor to submit the Year-End Report of the National Irrigation Administration for Calendar Year 2009.

Thank you for your support to Irrigation Development.

Respectfully yours,

**ALEXANDER A. REUYAN**  
Officer-In-Charge  
Office of the Administrator

cc: The Secretary  
Department of Agriculture

**YEAR-END  
REPORT  
TO THE  
PRESIDENT**

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

DECEMBER 31, 2009

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## **ABBREVIATIONS/ACRONYMS USED**

AFMA	- Agriculture and Fisheries Modernization Act	BSP	- Balikatan Sagip Patubig Program
APIEC	- Agricultural Productivity Improvement & Environmental Conservation	CAR	- Cordillera Administrative Region
ARC	- Agrarian Reform Communities	CARP-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	- Casecan Multipurpose Irrigation and Power Project – Irrigation Component
ARF	- Agrarian Reform Fund	CRRNENIS/CIS	- Construction/Repair/Rehabilitation of New/Existing National Irrigation System/Communal Irrigation System
ARISP III	- Agrarian Reform Infrastructure Support Project III	CY	- Calendar Year
BBMP	- Balog-Balog Multi Purpose Project	DA	- Department of Agriculture
B	- Billion	DAR	- Department of Agrarian Reform
BIP II	- Bohol Irrigation Project II	EO	- Executive Order
BPIP	- Banaoang Pump Irrigation Project	FO	- Field Office
BRISRIP	- Bago River Irrigation System Rehabilitation and Improvement Project	FSDE	- Feasibility Study and Detailed Engineering
		GOP	- Government of the Philippines

HCAAP	- Help for Catubig Agricultural Advancement Project	NIP or NIS	- National Irrigation Project or System
ha	- hectare	O&M	- Operation & Maintenance
IMTSS	- Irrigation Management Transfer Support Services	PC	- Peso Counterpart
IA	- Irrigators Association	PGMA	- President Gloria Macapagal Arroyo
IP	- Irrigation Project	PIDP	- Participatory Irrigation Development Project
IFUMWP	- Irrigation facilities of Upland Municipalities in Western Pangasinan	PD	- Presidential Decree
LGU	- Local Government Unit	PMO	- Project Management Office
LP	- Loan Proceeds	RA	- Republic Act
M	- Million	RRGIP	- Repair/Rehabilitation Groundwater Irrigation Project
MINSSAD	- Mindanao Sustainable Settlement Area Development Project	RRENIAAIS	- Restoration/Rehab of Existing NIA Assisted Irrigation Systems
New	- New area generation/generated	Rehab	- rehabilitation/rehabilitated Area
NCA	- Notice of Cash Allocation	Rest	- restoration/restored area
NCAA	- Non-Cash Availment Authority	RIP or RIS	- River Irrigation Project or System
NDC	- National Development Company	SONA	- State of the Nation Address
NIA	- National Irrigation Administration	SPISP	- Southern Philippines Irrigation Sector Project
		SRIP	- Small Reservoir Irrigation Project

## EXECUTIVE SUMMARY

NIA pursued the implementation of 39 irrigation projects: 7 foreign-assisted, 28 locally-funded (including continuing activities and carry-over projects) and four inter-agency projects. Nine are located in Luzon, six in Visayas, seven in Mindanao and seventeen with subprojects in selected provinces nationwide.

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

As of December 31, 2009, the agency accomplished 54% of the targeted area of 18,457 ha for generation or 9,909 ha and 165% of 105,929 ha for rehabilitation or 174,506 ha and 76% of 134,050 ha for restoration or 101,779 ha.

Some 18,901 jobs were generated in the construction of new irrigation projects and rehabilitation of existing irrigation systems.

Irrigation Development Program for the year involved a funding requirement of ₱17.55 B, broken down into: ₱14.98 B regular budget, ₱2.20 B carry-over funds and ₱0.37 B inter-agency funds. Total available allotment was ₱16.20 B with cash and non-cash support of ₱13.15 B or 81% of the available allotment. Obligations incurred amounted to ₱15.20 B. (see Annex C for details)

The Agency now manages 209 NIS nationwide with a total service area of 746,337 ha. The total irrigated area was 1,136,703 ha broken down into 531,599 ha during the dry season (November 2008 to April 2009), 545,632 ha during the wet

season (May 2009 to October 2009) and 59,472 ha for the third crop. Irrigation cropping intensity attained was 152.30.

As of year-end, the total service area of the communal irrigation systems was 557,631 ha. The total irrigated area was 690,549 ha (352,970 ha during the wet season, 314,495 ha during the dry season and 23,084 ha for the third crop) with 124% irrigated cropping intensity. Thus the total irrigated in both wet and dry seasons for NIS and CIS was 1,827,252 ha.

As of December 31, 2009, the total service area developed was 1,539,937 ha or 49% of the estimated potential irrigable area of 3,126,340 ha. Of this area, 764,997 ha are under NIS, 557,631 ha in CIS and 217,329 ha in private irrigation systems (PIS). The remaining potential area to be developed is still 1,586,960 ha. The estimated potential irrigable area are those primarily devoted to rice and corn and up to 3% slope.

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

Category	CY 2009 PROGRAM					
	Total CY 2009 Program			Releases (January to December 2009)		
	Approved Capital Outlay/ Realignment	Unprogrammed Funds & Other Sources	Total	Allotment Releases	Cash/Non-Cash Support	Obligation
(1)	(2)	(3)=(1)+(2)	(4)	(5)	(6)	
<b>NIA PROJECTS</b>						
Foreign-Assisted Projects	2,503,329	-	2,503,329	1,185,329	108,002	608,667
Locally Funded Projects	10,107,139	2,371,200	12,478,339	12,445,539	10,543,781	12,261,402
Lump Sum	-	-	-	-	1,996,436	-
<b>Total for NIA PROJECTS</b>	<b>12,610,468</b>	<b>2,371,200</b>	<b>14,981,668</b>	<b>13,630,868</b>	<b>12,648,219</b>	<b>12,870,069</b>
<b>INTER-AGENCY PROJECTS</b>	<b>265,410</b>	<b>-</b>	<b>265,410</b>	<b>266,689</b>	<b>183,419</b>	<b>227,891</b>
<b>Total for IRRIGATION</b>	<b>12,875,878</b>	<b>2,371,200</b>	<b>15,247,078</b>	<b>13,897,557</b>	<b>12,831,638</b>	<b>13,097,960</b>

Category	CARRY-OVER FUNDS			
	Unobligated Balance as of Dec. 2008	Releases (January to December 2009)		
		Realignment/ Allotment	Cash/Non-Cash Support	Obligation
(7)	(8)	(9)	(10)	
<b>NIA PROJECTS</b>				
Foreign-Assisted Projects	473,022	-	-	473,022
Locally Funded Projects	163,504	-	-	163,504
Lump Sum	-	-	-	-
Carry-over Projects	417,967	1,144,626	102,354	1,320,133
<b>Total for NIA PROJECTS</b>	<b>1,054,493</b>	<b>1,144,626</b>	<b>102,354</b>	<b>1,956,659</b>
<b>INTER-AGENCY PROJECTS</b>	<b>47,664</b>	<b>58,925</b>	<b>220,857</b>	<b>146,765</b>
<b>Total for IRRIGATION</b>	<b>1,102,157</b>	<b>1,203,551</b>	<b>323,211</b>	<b>2,103,424</b>

Category	CY 2009 PROGRAM AND CARRY-OVER FUNDS			
	Approved Program/ Unobligated Balance/ Allotment/ Realignment	Releases (January to December 2009)		
		Total Available Allotment	Cash/ Non-Cash Support	Obligation
(11)=(3)+(7)+(8)	(12)=(4)+(7)+(8)	(13)=(5)+(9)	(14)=(6)+(10)	
<b>NIA PROJECTS</b>				
Foreign-Assisted Projects	2,976,351	1,658,351	108,002	1,081,689
Locally Funded Projects	12,641,843	12,609,043	10,543,781	12,424,906
Lump Sum	-	-	1,996,436	-
Carry-over Projects	1,562,593	1,562,593	102,354	1,320,133
<b>Total for NIA PROJECTS</b>	<b>17,180,787</b>	<b>15,829,987</b>	<b>12,750,573</b>	<b>14,826,728</b>
<b>INTER-AGENCY PROJECTS</b>	<b>371,999</b>	<b>373,278</b>	<b>404,276</b>	<b>374,656</b>
<b>Total for IRRIGATION</b>	<b>17,552,786</b>	<b>16,203,265</b>	<b>13,154,849</b>	<b>15,201,384</b>

Note : Unaudited Financial status as of December 31, 2009.

### SUMMARY OF PHYSICAL STATUS

Key Indicator	CY 2009 PROGRAM		Carry-Over (Actual)	Total Actual
	Target	Actual		
New Area (ha)	18,457	6,231	3,678	9,909
Rehab Area (ha)	105,929	141,630	32,876	174,506
Res Area (ha)	134,050	90,596	11,183	101,779

TABLE NO. 2  
**SUMMARY OF PHYSICAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009

Category	Irrigable Area (ha)		Area (ha)				Actual To Date
			Target	Actual (January to December 2009)			
				CY 2009	Carry-Over Program	Total	
<b>I. NIA PROJECTS</b>							
<b>A. FOREIGN-ASSISTED PROJECTS</b>							
1. ONGOING	N	34,765	5,327	2,399	-	2,399	4,360
	R	57,476	5,987	3,180	-	3,180	15,607
	Res	7,000	1,050	-	-	-	-
<b>TOTAL ( A )</b>	N	<b>34,765</b>	<b>5,327</b>	<b>2,399</b>	<b>-</b>	<b>2,399</b>	<b>4,360</b>
	R	<b>57,476</b>	<b>5,987</b>	<b>3,180</b>	<b>-</b>	<b>3,180</b>	<b>15,607</b>
	Res	<b>7,000</b>	<b>1,050</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>B. LOCALLY FUNDED PROJECTS</b>							
1. ONGOING	N	41,323	12,685	3,125	910	4,035	14,273
	R	45,912	97,130	135,799	21,001	156,800	137,130
	Rest.	-	133,000	90,596	1,243	91,839	61,887
<b>TOTAL ( B )</b>	N	<b>41,323</b>	<b>12,685</b>	<b>3,125</b>	<b>910</b>	<b>4,035</b>	<b>14,273</b>
	R	<b>45,912</b>	<b>97,130</b>	<b>135,799</b>	<b>21,001</b>	<b>156,800</b>	<b>137,130</b>
	Res	<b>-</b>	<b>133,000</b>	<b>90,596</b>	<b>1,243</b>	<b>91,839</b>	<b>61,887</b>
<b>C. CARRY-OVER PROJECTS</b>							
1. Foreign-Assisted Projects	N	10,862	-	-	1,800	1,800	6,150
	R	750	-	-	-	-	750
2. Locally-Funded Projects	R	-	-	-	11,265	11,265	35,694
	Rest.	-	-	-	9,940	9,940	51,675
<b>TOTAL ( C )</b>	N	<b>10,862</b>	<b>-</b>	<b>-</b>	<b>1,800</b>	<b>1,800</b>	<b>6,150</b>
	R	<b>750</b>	<b>-</b>	<b>-</b>	<b>11,265</b>	<b>11,265</b>	<b>36,444</b>
	Rest.	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,940</b>	<b>9,940</b>	<b>51,675</b>
<b>TOTAL FOR NIA PROJECTS ( A, B &amp; C )</b>	N	<b>86,950</b>	<b>18,012</b>	<b>5,524</b>	<b>2,710</b>	<b>8,234</b>	<b>24,783</b>
	R	<b>104,138</b>	<b>103,117</b>	<b>138,979</b>	<b>32,266</b>	<b>171,245</b>	<b>189,181</b>
	Rest.	<b>7,000</b>	<b>134,050</b>	<b>90,596</b>	<b>11,183</b>	<b>101,779</b>	<b>113,562</b>
<b>II. INTER-AGENCY PROJECTS</b>							
	N	39,399	445	707	968	1,675	14,539
	R	67,896	2,812	2,651	610	3,261	23,118
<b>TOTAL FOR IRRIGATION</b>	N	<b>126,349</b>	<b>18,457</b>	<b>6,231</b>	<b>3,678</b>	<b>9,909</b>	<b>39,322</b>
	R	<b>172,034</b>	<b>105,929</b>	<b>141,630</b>	<b>32,876</b>	<b>174,506</b>	<b>212,299</b>
	Rest.	<b>7,000</b>	<b>134,050</b>	<b>90,596</b>	<b>11,183</b>	<b>101,779</b>	<b>113,562</b>

N - New Area, in hectares  
R - Rehab Area, in hectares  
Rest. - Restored Area, in hectares

**TABLE NO. 3**  
**SUMMARY OF FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009  
(In Thousand Pesos)

Project	CY 2009 IRRIGATION PROGRAM				CARRY-OVER FUNDS					REGULAR CY 2009 PROGRAM & CARRY-OVER FUNDS			
	CY 2009 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2008	Realignment	Releases		Obligation	Total CY 2009 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>													
<i>FOREIGN-ASSISTED PROJECTS</i>	PC 988,957	577,957	-	252,568	89,720	(54,498)	54,498	-	89,720	1,078,677	667,677	-	342,288
	LP 1,514,372	607,372	108,002	356,099	383,302	(155,660)	155,660	-	383,302	1,897,674	990,674	108,002	739,401
	TP 2,503,329	1,185,329	108,002	608,667	473,022	(210,158)	210,158	-	473,022	2,976,351	1,658,351	108,002	1,081,689
<i>LOCALLY FUNDED PROJECTS</i>	PC 12,478,339	12,445,539	10,543,781	12,261,402	163,504	-	-	-	163,504	12,641,843	12,609,043	10,543,781	12,424,906
<i>CARRY-OVER PROJECTS</i>	PC -	-	-	-	270,894	(2,758)	223,313	-	375,733	491,449	491,449	-	375,733
	LP -	-	-	-	147,073	212,916	711,155	102,354	944,400	1,071,144	1,071,144	102,354	944,400
	TP -	-	-	-	417,967	210,158	934,468	102,354	1,320,133	1,562,593	1,562,593	102,354	1,320,133
<i>LUMPSUM RELEASES</i>	PC -	-	1,996,436	-	-	-	-	-	-	-	-	1,996,436	-
<b>TOTAL FOR NIA PROJECTS</b>	PC 13,467,296	13,023,496	12,540,217	12,513,970	524,118	(57,256)	277,811	-	628,957	14,211,969	13,768,169	12,540,217	13,142,927
	LP 1,514,372	607,372	108,002	356,099	530,375	57,256	866,815	102,354	1,327,702	2,968,818	2,061,818	210,356	1,683,801
	TP 14,981,668	13,630,868	12,648,219	12,870,069	1,054,493	-	1,144,626	102,354	1,956,659	17,180,787	15,829,987	12,750,573	14,826,728
<b>II. INTER-AGENCY PROJECTS</b>													
	PC 265,410	266,689	183,419	227,891	43,755	-	22,470	66,913	40,501	331,635	332,914	250,332	268,392
	LP -	-	-	-	3,909	-	36,455	153,944	106,264	40,364	40,364	153,944	106,264
	TP 265,410	266,689	183,419	227,891	47,664	-	58,925	220,857	146,765	371,999	373,278	404,276	374,656
<b>TOTAL FOR IRRIGATION</b>	PC 13,732,706	13,290,185	12,723,636	12,741,861	567,873	(57,256)	300,281	66,913	669,458	14,543,604	14,101,083	12,790,549	13,411,319
	LP 1,514,372	607,372	108,002	356,099	534,284	57,256	903,270	256,298	1,433,966	3,009,182	2,102,182	364,300	1,790,065
	TP 15,247,078	13,897,557	12,831,638	13,097,960	1,102,157	-	1,203,551	323,211	2,103,424	17,552,786	16,203,265	13,154,849	15,201,384

NOTE:

CARRY-OVER PROGRAM includes balances from CY 2008 Regular Appropriations  
Unaudited Financial as of December 31, 2009

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

**PROJECT  
DEVELOPMENT  
AND  
IMPLEMENTATION**

**I. Implementation of Irrigation Projects**

**A. Foreign-Assisted NIA Projects**

The agency continued the implementation of five ongoing foreign-assisted projects. For CY 2009, a total of ₱2.503 B was programmed for these projects. This amount is 16% of the total approved irrigation budget of ₱15.247 B for CY 2009.

As of December 31, 2009, total allotment released for these projects was ₱1.185 B. Obligations incurred amounted to ₱0.609 B.

Moreover, carry-over funds of ₱0.473 B which were unobligated from previous years allocation are being utilized and obligated during the year.

Hence, total available allotment amounted to ₱1.658 B. Total obligations incurred amounted to ₱1.082 B.

A total amount of ₱12.751 B cash/non-cash was received to support the allotment releases for both foreign-assisted and locally-funded projects. This amount represents 81% of the total allotment of ₱15.830 B released to NIA.

Physical targets for these projects were the generation of 5,327 ha of new areas, the rehabilitation of 5,987 ha and the restoration of 1,050 ha in existing irrigation systems. These targets represented 29%, 6% and 0.80% of the total target area of the agency for generation, rehabilitation and restoration for CY 2009, respectively.

As of December 31, 2009, these projects generated 2,399 ha new areas for irrigation and rehabilitated 3,180 ha in existing irrigation systems. Thus the

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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agency's accomplishment is 45% and 53%, respectively, of the total target area in foreign-assisted projects.

The Participatory Irrigation Development Project (PIDP) is a World Bank-assisted project. The Loan for PIDP was approved by the World Bank Board on June 25, 2009. The Loan Agreement and other legal documents were signed on August 7, 2009. The loan was declared effective on November 3, 2009. The World Bank Mission conducted its project launch in three batches from September 2009 to October 2009 to assist the NIA to start-up PIDP activities, in an efficient and effective manner.

PIDP's objectives are: 1) to transform NIA into a strategically focused and financially viable irrigation service through the implementation of its Rationalization Plan; 2) to enhance participation of IA through building their capacity in irrigation development and management and implementing Irrigation Management Transfer (IMT); and 3) to improve irrigation service delivery through rehabilitation, improved O&M and modernization of NIS.

The project has two main components: the Irrigation Sector Restructuring and Reform and the Infrastructure Development. The first component will support the interlinked strategies of the implementation of IMT and the NIA Rationalization Plan. While the second component will support the rehabilitation of 14 Core A NIS and technical enhancements in 44 Core B NIS. Upon completion of the project, there will be incremental irrigated (restored and new) areas of about 60,760 ha during the wet season and 41,372 ha in the dry season. The project would benefit around 190,000 farm families.

## PROJECT DEVELOPMENT AND IMPLEMENTATION

Expenditures as of December 2009 (in thousand pesos)

Particulars	Total	CY 2009		Actual To Date
		Program	Actual	
<b>1. Project Preparation</b>	<b>33,029</b>	<b>33,029</b>	<b>29,097</b>	<b>29,097</b>
a. Detailed Engineering	33,029	33,029	29,097	29,097
<b>2. NIA Rationalization</b>	<b>911,043</b>	<b>911,043</b>	<b>773,046</b>	<b>773,046</b>
a. Year 1	718,793	718,793	682,386	682,386
b. Year 2	192,250	192,250	71,393	<u>1/</u> 71,393
			19,267	<u>2/</u> 19,267
<b>3. Training/ Workshop/ Various Institutional Development Activities</b>	<b>325,009</b>	<b>113,601</b>	<b>824</b>	<b>824</b>
<b>4. Project Management</b>	<b>183,720</b>	<b>24,525</b>	<b>1,943</b>	<b>1,943</b>
a. Field Office (PS)	15,000	2,800	694	694
b. Central Office	168,720	21,725	1,249	1249
<b>TOTAL</b>	<b>1,452,801</b>	<b>1,082,198</b>	<b>804,910</b>	<b>804,910</b>

1/ - Actual released to FO

2/ - Pending awaiting for SARO

### B. Locally-Funded NIA Projects

There were twenty-five locally-funded projects implemented during the year. Of the CY 2009 approved irrigation budget, 82% or ₱12.478 B is programmed for these projects. Correspondingly, allotment released was ₱12.445 B. Obligations incurred was ₱12.261 B. Physical target for the year was the generation of 12,685 ha of new areas, rehabilitation of 97,130 ha and restoration of 133,000 ha in existing systems or 69%, 92% and 99% of the total agency's targets for CY 2009 respectively.

As of the end of the year, these projects generated 4,035 ha new areas, rehabilitated 156,800 ha and restored 91,839 ha in existing systems. These included accomplishments from carry-over program (910 ha area generation, 21,001 ha area rehabilitation and 1,243 ha area restoration)

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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Total available allotment for these projects including carry-over funds from previous year's allocation and additional allotment releases amounted to ₱12.609 B. Obligations incurred amounted to ₱12.425 B.

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

Five carry-over projects from CY 2008 Program were also pursued. Two are foreign-assisted and three locally-funded projects. Total available allotment for these projects amounted to ₱1.562 B. Obligation incurred was ₱1.267 B. During the semester, these projects generated 1,800 ha, rehabilitated 11,265 ha and restored 9,940 ha in existing systems.

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

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

#### **1. Ongoing 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 2009. The project will improve/construct existing CIS and new CIP to irrigate 34,428 ha when fully operational.

For CY 2009, the project targeted 445 ha of new area for generation and 2,812 ha for rehabilitation in 82 CIS/CIP.

Accomplishments as of the end of the year were the generation of 707 ha of new areas and rehabilitation of 2,651 ha.

During the period under review, eighteen (18) CIP/CIS implemented under CARP Phase II were completed.

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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Allocation for the year amounted to ₱275 M (₱242 M from CY 2009 Program and ₱33 M from carry-over fund balances). As of end of the year, total available allotment amounted to ₱276 M with corresponding cash support of ₱204 M was received. Obligation incurred amounted to ₱245 M.

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

The ARISP III was funded under the 27<sup>th</sup> Yen Package of the Government of Japan through the Japan Bank for International Cooperation. The Projects' Loan Agreement was signed on December 18, 2007 and took effect on April 15, 2008. It is an expansion of ARISP I & II which covered 229 Agrarian Reform Communities (ARC). This project aims to develop 129 ARC in 14 regions and 54 provinces.

NIA, as one of the cooperating agencies, together with the Local Government Units (LGU), is responsible for the irrigation development of the areas covered by the project. It is tasked to undertake the project preparation, planning, design, construction/rehabilitation of 111 CIP/CIS and provision of on-farm facilities and access roads.

Upon completion of the project, some 21,845 hectares farm lands will be generated/rehabilitated/restored to benefit around 18,030 farmer-beneficiaries.

As of December 31, 2009, 58 ARC have been validated. Forty nine irrigation projects in 44 provinces under 46 ARC were identified for possible funding under ARISP III. Of these projects, feasibility study (FS) on 20

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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projects were completed, 26 projects are ongoing, one project is for full implementation by LGU and two projects are still to submit Program of Works. Detailed engineering on 14 projects is ongoing. Overall accomplishment for pre-engineering activities was 33.36%.

### **2. Carry-over Projects**

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

ARCDP Phase II is a World Bank - assisted project. It started in the 2<sup>nd</sup> quarter of CY 2004. The project increased its coverage from 80 Agrarian Reform Communities (ARC) to 123 ARC and from 17 provinces to 20 provinces.

A total of 48 subprojects were identified for pre-engineering activities. However, 31 subprojects only were approved. Feasibility studies and detailed engineering on these subprojects were completed. As of the end of the year of CY 2009, the construction of 14 subprojects were completed, with 369 ha of new area generated and 1,226 ha rehabilitated. Fourteen subprojects are under construction, one is ready for construction and 2 others were deferred. One project shall be implemented by LGU. These projects when completed will generate 2,865 ha new areas and rehabilitate 1,814 ha in existing system or will irrigate a total of 4,679 ha. These projects will benefit 4,447 farmer beneficiaries.

Total available allotment amounted to ₱59 M and obligation incurred amounted to ₱103 M.

## **PROJECT DEVELOPMENT AND IMPLEMENTATION**

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

The Project started in 2002 and is expected to be completed in 2009. 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.

As of the end of the year, construction is completed on twenty-seven projects: 5 in Region 10, 3 in Region 11 and 19 in CARAGA Region. Two projects were cancelled.

Total available allotment for the year was ₱14.228 M. Obligation incurred amounted to ₱10.116 M.

**E. PGMA's SONA Commitments**

The following are major irrigation projects which President Gloria Macapagal-Arroyo committed during her State of the Nation Addresses. The status of these projects is as follows:

1. Agno River Integrated Irrigation Project (ARIIP)

This project is located in Pangasinan with an estimated Project Cost of ₱7.86 B. Activities involved in this project are: (1) Acquisition of Right-of-Way, (2) Rehabilitation of Agno River Irrigation System (ARIS), (3) Rehabilitation of Ambayoan-Dipalo RIS (ADRS), and (4) Construction of a Re-regulating Pond. As of end of December 2009, overall physical accomplishment was 15.87%.

2. Banaoang Pump Irrigation Project (BPIP)

BPIP is located in Ilocos Sur with an estimated cost of ₱2.48B. The project started in 2003 and is expected to be completed in 2010. Activities involved in this project are: (1) construction of pumping station (99% accomplished); (2) construction of tunnel and closed conduit (completed in June 2009); (3) rehabilitation works on some sections of the main canal (87% accomplished) and lateral canals (30.3% accomplished); (4) construction of drainage facilities (55% accomplished); (5) construction of farm level facilities (about 25.2 km of main farm ditches were accomplished); and (6) construction of transmission line (substantially completed).

As of December 31, 2009, overall physical accomplishment was 86.42%.

## PROJECT DEVELOPMENT AND IMPLEMENTATION

### 3. Rehabilitation/Restoration of NIA-Assisted Irrigation Systems

The Agency continued to implement its P22B program on the rehabilitation/ restoration of national and communal irrigation systems starting 2006 as its contribution to the attainment of rice self-sufficiency. As of end of third quarter, the status of implementation is as follows:

Fund Source	CY 2009 Program (P Million)	CY 2009 Area Accomplishment (ha)	
		Restored	Rehabilitated
A. NDC			
1. NDC 5	2,000	31,820	64,976
B. GAA			
1. RRENIAAIS	6,000	58,321	58,891
<b>Total</b>	<b>8,000</b>	<b>90,141</b>	<b>123,867</b>

## II. Project Preparation Activities

The agency pursued various project preparation activities. Allocation for this year's activities was ₱37.72 M (₱30 M from CY 2009 program and ₱7.20 M from carry-over fund balances) and obligation incurred was ₱34.88 M. The activities included:

Activities	Number of Projects		
	Completed	Ongoing	Total
1. Pre-feasibility study/ project identification	1	3 *	4
2. Feasibility Study	3	10	13
3. Detailed Design	2	10	12
4. Assistance to LGU and other projects:			
a. Packaging of projects for implementation and economic evaluation	5	7	12
b. Groundwater Studies	5	10	15
c. Geological Studies /Investigation	1	12	13
d. Survey and Mapping	1	7	8
5. Watershed Assessment and Management Planning of Proposed National Irrigation Projects	1	8 *	9

\* One is deferred/On-hold

**III. Status of Irrigation Development**

As of December 31, 2009, the total service area developed was 1,539,937 ha or 49% of the estimated potential irrigable area of 3,126,340 ha. Of this area, 764,977 ha are under NIS, 557,631 ha in CIS and 217,329 ha in private irrigation systems (PIS). The remaining potential area to be developed is still 1,586,960 ha. The estimated potential irrigable area are those primarily devoted to rice and corn and up to 3% slope. (see Annex E)

**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 209 NIS nationwide with a total service area of 746,337 ha.

The programmed area for irrigation this crop year is 1,185,856 ha. As of the end of the year, irrigated area was 531,599 ha during the dry season (November 2008 to April 2009), 545,632 ha during the wet season (May 2009 to October 2009) and 59,472 ha for the third crop or a total of 1,136,703 ha which is 96% of the programmed area. The irrigated cropping intensity attained was 152 percent. (Annex F)

### **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 2009, there were 6,899 IA organized covering 1,244,937 ha and benefiting 857,342 farmer-members. Of this, 6,362 IA are registered with the Securities and Exchange Commission covering 1,160,247 ha with 804,167 farmer-members. A total of 7,145 IA have existing operation and maintenance contracts or Memorandum of Agreements covering 1,272,971 ha with 957,993 farmer-members.

For CY 2009, 180 IA were organized and 2,647 IA strengthened in NIS and CIS. One sixty-six IA were registered with the Securities and Exchange Commission.

## **OPERATION AND MAINTENANCE ACTIVITIES**

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A total of 187 IA contracted with NIA for the operation and maintenance of irrigation systems, while 743 IA renewed their contracts.

Basic Leadership Development and Financial Management & System Management Trainings were conducted in 29,130 irrigation beneficiaries. Orientation Training was conducted for 1,794 staff-members.

### **III. Equipment Management**

The agency satisfactorily maintained in operating condition 265 units of equipment or 5 % of the 5,799 units. This is composed of 21 heavy equipment, 181 light equipment, 60 other equipment and 3 special equipment. There are 3,480 units that are under Category A2 or operating intermittently and less reliable equipment and 755 units under Category A3 or non-operable equipment needing repair.

The 21 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 CY 2009, 1,299 units are recommended for disposal. The sale through public auction of unserviceable equipment was pursued to reduce further unnecessary operating expenditures and deterioration.

**RATIONALIZATION  
PLAN**

## **NIA RATIONALIZATION PLAN**

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### **NIA Rationalization Plan**

Pursuant to Executive Order No. 366 “Directing a Strategic Review of the Operations and Organizations of the Executive Branch and Providing Options and Incentives for Government Employees Who May Be Affected by the Rationalization of the Functions and Agencies of the Executive Branch”, the NIA formulated its own Rationalization Plan (RP) based on several parameters. The Plan was approved by the President of the Philippines per Executive Order No. 718 “Authorizing the Phased Implementation of the Rationalization Plan of the National Irrigation Administration and the Availment of the Separation Incentive Package under Executive Order No. 366” on April 8, 2008.

The plan was based on the following parameters/factors: the provisions of RA 3601, as amended by PD 552 and PD 1702, RA 8435 - Agricultural and Fisheries Modernization Act (AFMA), and RA 7606 (An Act Providing a Magna Carta of Small Farmers).

RA 7160 or the Local Government Code of 1991 devolves the construction, O&M of CIS to LGU and mandates NIA to provide technical assistance to them relative to the development of CIP/CIS.

The said laws mandate NIA to turnover NIS, in whole or in part, to duly organized beneficiaries or the IA who are the direct beneficiaries of completed irrigation projects/systems. However, IA have to be developed and empowered to take over the operation, repair and maintenance of irrigation facilities, and the irrigation canals and facilities restored to good condition before the turnover of the management, O&M can take place.

## **NIA RATIONALIZATION PLAN**

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Given the factors mentioned above, the NIA RP would necessitate a phased implementation to ensure the progressive build-up of NIA's infrastructure and organizational capability to sustain irrigation management consistent with the modern rural and agricultural realities.

Under EO 718, NIA shall implement its RP in phases for a period of five years to commence upon the approval of the NIA RP, in lieu of the one-time implementation authorized under EO 366.

The Plan will still maintain the present Project Management Offices (PMO) arrangements for special projects until such time that the NIA implements a unified PMO.

For Year 1 (CY 2008) implementation of the NIA RP, the Department of Budget and Management (DBM) released the amount of ₱718.79 million on December 24, 2008. This amount covers the payment of incentives and terminal leaves of 1,270 affected personnel under Year 1 of the NIA RP.

Payment of incentives and terminal leaves of affected employees under Year 2 to Year 5 shall be charged against Participatory Irrigation Development Project (PIDP) Loan.

The financial requirement for Year 2 (CY 2009) of NIA RP, as per submitted to DBM as of June 2009, amounted to ₱142.91 million for 231 affected personnel. Of this number, only 147 has been paid or a total of ₱71.392 million. This amount was advanced under Fund 501-COB subject for reimbursement under PIDP Loan Proceeds.

As of end of December 2008, a total of 1,417 were retired/separated from service under the NIA RP.

# ANNEX

**CY 2009 IRRIGATION PROGRAM  
(RA 9524)**

Project / Location / Date Started / Target Completion Date	Financial Program (P1,000)						Physical Targets (ha)			
	CY 2009 Approved Capital Outlay		Approved Realignment		Unprogrammed Funds & Other Sources		Total	New	Rehab	Restored
	Local	Forex	Local	Forex	Local	Forex				
<b>I. NIA PROJECTS</b>										
<b>A. FOREIGN-ASSISTED PROJECTS</b>										
1. Southern Philippines Irrigation Sector Project Regions 6, 7, ARMM & 13 January 2000 / June 2010	214,000	138,000	-	-	-	-	352,000	2,552	2,435	-
2. Help for Catubig Agricultural Advancement Project, Stage 1 Northern Samar April 2002 / December 2009	132,000	268,000	-	-	-	-	400,000	1,800	-	-
3. Bago RIS Rehabilitation and Improvement Project Negros Occidental February 2003 / December 2009	9,957	201,372	-	-	-	-	211,329	975	3,552	-
4. Participatory Irrigation Development Project - Phase I Nationwide 2007 - 2011	453,000	887,000	(72,000)	-	-	-	1,268,000	-	-	1,050
5. The Rehab. Project of Angat-Maasim RIS Bulacan 2007 - 2009	10,000	-	(10,000)	-	-	-	-	Repair of Dam and Canals		
6. Malitubog-Maridagao Irrigation Project, Stage II Maguindanao & North Cotabato	100,000	20,000	(70,000)	-	-	-	50,000	Construction Activities		
7. Kabulnan 2 - Multipurpose Irrigation & Power Project Maguindanao	50,000	-	(50,000)	-	-	-	-	Detailed Engineering		
8. Agno River Integrated Irrigation Project Pangasinan	-	-	222,000	-	-	-	222,000			
<b>Total for Foreign-Assisted Projects</b>	<b>968,957</b>	<b>1,514,372</b>	<b>20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,503,329</b>	<b>5,327</b>	<b>5,987</b>	<b>1,050</b>
<b>B. Locally Funded Projects</b>										
1. Addalam River Irrigation Project Quirino and Isabela March 1997 / December 2009	100,000	-	-	-	-	-	100,000	Construction Activities		
2. Construction/Repair/Rehabilitation of New and Existing NIS/CIS Nationwide	227,200	-	-	-	21,200	-	248,400		20,000	-
3. Small Reservoir Irrigation Project January 1989 / December 2010	425,000	-	-	-	-	-	425,000	161	-	-
4. Repair/Rehabilitation of Groundwater Irrigation Project Nationwide	30,000	-	-	-	-	-	30,000	-	900	-

**CY 2009 IRRIGATION PROGRAM  
(RA 9524)**

<i>Project / Location / Date Started / Target Completion Date</i>	<i>Financial Program (P1,000)</i>						<i>Physical Targets (ha)</i>			
	<i>CY 2009 Approved Capital Outlay</i>		<i>Approved Realignment</i>		<i>Unprogrammed Funds &amp; Other Sources</i>		<i>Total</i>	<i>New</i>	<i>Rehab</i>	<i>Restored</i>
	<i>Local</i>	<i>Forex</i>	<i>Local</i>	<i>Forex</i>	<i>Local</i>	<i>Forex</i>				
5. Dolores Irrigation Project Eastern Samar September 1996/December 2009	95,337	-	-	-	-	-	95,337	1,040	-	-
6. Balog-Balog Multi Purpose Irrigation Project Tarlac January 1999 / December 2010	250,000	-	-	-	-	-	250,000	205	1,145	-
7. Balikatan Sagip Patubig Project Nationwide	200,000	-	-	-	-	-	200,000	-	3,300	-
8. Feasibility Study & Detailed Eng'ng of Various Projects Nationwide	30,000	-	-	-	-	-	30,000	4-Projects for FS & 6-Projects for DE		
9. Irrigation Management Transfer Support Services Nationwide	8,000	-	-	-	-	-	8,000	26,250 farmer participant for various IMT trainings		
10. Restoration/Rehab. of Existing NIA Assisted Irrigation Systems Nationwide	6,000,000	-	-	-	200,000	-	6,200,000	-	48,000	100,000
11. Payment for ROW completion works & Claims of completed projects	220,875	-	-	-	-	-	220,875	Payment of ROW & unpaid claims		
12. Balingasag IP Misamis Oriental 2003, 2008 - 2012	360,255	-	-	-	-	-	360,255	2,115	285	-
13. Talakag IP Bukidnon 2003, 2008 - 2012	335,250	-	-	-	-	-	335,250	2,640	-	-
14. Malaig River IP Lanao del Sur 2008 - 2010	272,922	-	-	-	-	-	272,922	2,050	-	-
15. San Roque MPP-IC (Agno Integrated Irrigation Project) Pangasinan January 2006 / December 2011	300,000	-	-	-	-	-	300,000	-	3,300	-
16. Libmanan-Cabusao Dam Project Camarines Sur 2008 - 2010	300,000	-	-	-	-	-	300,000	Dam Construction		
17. Sta. Josefa Pump Irrigation Project Agusan del Sur 2008 - 2010	300,000	-	-	-	-	-	300,000	1,839	-	-
18. Banaoang Pump Irrigation Project II Ilocos Sur 2008 - 2013	20,000	-	(20,000)	-	-	-	-	Detailed-Engineering		

**CY 2009 IRRIGATION PROGRAM  
(RA 9524)**

<i>Project / Location / Date Started / Target Completion Date</i>	<i>Financial Program (P1,000)</i>						<i>Physical Targets (ha)</i>			
	<i>CY 2009 Approved Capital Outlay</i>		<i>Approved Realignment</i>		<i>Unprogrammed Funds &amp; Other Sources</i>		<i>Total</i>	<i>New</i>	<i>Rehab</i>	<i>Restored</i>
	<i>Local</i>	<i>Forex</i>	<i>Local</i>	<i>Forex</i>	<i>Local</i>	<i>Forex</i>				
19. Repair, Operation and Maintenance of NIS Pump Irrigation Systems	116,000	-	-	-	-	-	116,000			
20. Basey Irrigation Project Western Samar 1996-2005, 2009	350,000	-	-	-	-	-	350,000	2,635	200	-
21. Along Along Creek Irrigation Project Nueva Ecija	100,000	-	-	-	150,000	-	250,000			
22. Agricultural Productivity Improvement & Environmental Conservation in Lubang Island - IC Mindoro Occidental	53,500	-	-	-	-	-	53,500	Construction activities		
23. Irrigation Facilities of Upland Municipalities Western Pangasinan	15,000	-	-	-	-	-	15,000	Construction activities		
24. Rep/Rehab of Irrigation Canal Along Brgy Cayambanan & Brgy. Nancalobasaan Pangasinan	5,000	-	-	-	-	-	5,000	Construction activities		
25. Rehabilitation of Dumanjug CIS Cebu	12,800	-	-	-	-	-	12,800	Construction activities		
26. Restoration/Rehab. of Existing NIA Assisted Irrigation Systems (under NDC 5) Nationwide	-	-	-	-	2,000,000	-	2,000,000	-	20,000	33,000
<b>Total for Locally Funded Projects</b>	<b>10,127,139</b>	<b>-</b>	<b>(20,000)</b>	<b>-</b>	<b>2,371,200</b>	<b>-</b>	<b>12,478,339</b>	<b>12,685</b>	<b>97,130</b>	<b>133,000</b>
<b>TOTAL FOR NIA PROJECTS</b>	<b>11,096,096</b>	<b>1,514,372</b>	<b>-</b>	<b>-</b>	<b>2,371,200</b>	<b>-</b>	<b>14,981,668</b>	<b>18,012</b>	<b>103,117</b>	<b>134,050</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	241,620	-	-	-	-	-	241,620	445	2,812	-
b Agrarian Reform Infrastructure Support Project - Phase III Nationwide June 1999/December 2008	23,790	-	-	-	-	-	23,790	Pre-Engineering		
<b>TOTAL FOR INTER-AGENCY PROJECTS</b>	<b>265,410</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>265,410</b>	<b>445</b>	<b>2,812</b>	<b>-</b>
<b>TOTAL FOR IRRIGATION</b>	<b>11,361,506</b>	<b>1,514,372</b>	<b>-</b>	<b>-</b>	<b>2,371,200</b>	<b>-</b>	<b>15,247,078</b>	<b>18,457</b>	<b>105,929</b>	<b>134,050</b>

**PHYSICAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009

Project	Irrigable Area (ha)		Area (ha)				Overall Project Status (%)		
			Target	Actual (January to December 2009)				Actual To Date	
				CY 2009	Carry-Over Program	Total			
<b>I. NIA PROJECTS</b>									
<b>A. FOREIGN-ASSISTED PROJECTS</b>									
<b>a) ONGOING</b>									
1. SPISP	N	5,771	2,552	1,424	-	1,424	3,305	86.32	
	R	6,208	2,435	803	-	803	3,907		
2. HCAAP	N	4,550	1,800	-	-	-	80	49.38	
3. BRIS RIP	N	1,325	975	975	-	975	975	97.80	
	R	11,952	3,552	2,377	-	2,377	11,700		
4. PIDP Phase 1	N	8,219						-	
	R	39,316							
	Rest.	7,000	1,050	-	-	-	-		
5. MMIP Stage 2	N	14,900	Construction Activities						-
<b>TOTAL ( A )</b>	<b>N</b>	<b>34,765</b>	<b>5,327</b>	<b>2,399</b>	<b>-</b>	<b>2,399</b>	<b>4,360</b>		
	<b>R</b>	<b>57,476</b>	<b>5,987</b>	<b>3,180</b>	<b>-</b>	<b>3,180</b>	<b>15,607</b>		
	<b>Rest.</b>	<b>7,000</b>	<b>1,050</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>B. LOCALLY FUNDED PROJECTS</b>									
<b>a) ONGOING</b>									
1. Addalam RIP	N	5,830		388	-	388	3,678	84.90	
2. CRRNENIS/CIS	R		20,000	6,898	17,736	24,634	43,173	26.83	
	Rest.			-	-	-	1,270		
3. SRIP	N	8,724	161	291	-	291	4,686	29.00	
	R	222	-	118	-	118	7,724		
4. RRGIP	N		-	52	458	510	718	30.00	
	R		900	-	-	-	-		
	Rest.		-	165	131	296	477		
5. Dolores IP	N	3,206	1,040	21	-	21	2,286	97.99	
	R	500	-	-	-	-	500		
6. BBMP Phase I	N	2,220	205	205		205	205	76.09	
	R	10,255	1,145	1,654	-	1,654	8,345		
7. BSPP	N		-	17	452	469	469	41.81	
	R		3,300	1,362	3,265	4,627	5,997		
	Rest.		-	290	1,112	1,402	1,819		
8. FSDE			4-Projects for FS & 6-Projects for DE						-
9. Irrig. Mgmt. Transfer Support Services			26,250 farmer participant for various IMT trainings						-
10. RRENIAAIS	R		48,000	58,891	-	58,891	58,891	78.81	
	Rest.		100,000	58,321	-	58,321	58,321		

**PHYSICAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009

Project	Irrigable Area (ha)		Area (ha)				Actual To Date	Overall Project Status (%)
			Target	Actual (January to December 2009)				
				CY 2009	Carry-Over Program	Total		
11. Payment for ROW, completion works & Claims of Completed Projects	N	1,728	-	1,728	-	1,728	1,728	96.38
12. Balingasag IP	N	2,215	2,115	-	-	-	-	31.28
	R	285	285					
13. Talakag IP	N	2,800	2,640	8	-	8	88	19.32
14. Malaig RIP	N	2,750	2,050	415	-	415	415	34.11
15. San Roque MPP-IC (ARIIP)	R	34,450	3,300	1,900		1,900	12,500	15.87
16. Libmanan-Cabusao Dam Project	N	4,000	Dam Construction					-
17. Sta. Josefa PIP	N	5,200	1,839	-	-	-	-	11.76
18. Repair, O&M of NIS PIS						-		-
19. Basey IP	N	2,650	2,635	-	-	-	15	21.58
	R	200	200	-	-	-		
20. Along Along IP								-
21. APIEC in Lubang Island-IC			Construction activities					-
22. IFUMWP			Construction activities					-
23. Rep/Rehab of Irrigation Canal Along Brgy Cayambanan & Brgy Nancalobasan			Construction activities					-
24. Rehab of Dumanjug CIS			Construction activities					-
25. RRENIAAIS (NDC 5)	R		20,000	64,976		64,976	64,976	91.39
	Rest.		33,000	31,820		31,820	31,820	
<b>TOTAL ( B )</b>	<b>N</b>	<b>41,323</b>	<b>12,685</b>	<b>3,125</b>	<b>910</b>	<b>4,035</b>	<b>14,273</b>	
	<b>R</b>	<b>45,912</b>	<b>97,130</b>	<b>135,799</b>	<b>21,001</b>	<b>156,800</b>	<b>137,130</b>	
	<b>Rest.</b>	<b>-</b>	<b>133,000</b>	<b>90,596</b>	<b>1,243</b>	<b>91,839</b>	<b>61,887</b>	
<b>C. CARRY-OVER PROJECTS</b>								
<b>a) FOREIGN-ASSISTED PROJECTS</b>								
1. BIP II	N	4,550	-	-	200	200	4,550	100.00
	R	750	-	-	-	-	750	
2. BPIP	N	6,312	-	-	1,600	1,600	1,600	86.42
<b>SUBTOTAL ( a )</b>	<b>N</b>	<b>10,862</b>	<b>-</b>	<b>-</b>	<b>1,800</b>	<b>1,800</b>	<b>6,150</b>	
	<b>R</b>	<b>750</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>750</b>	

**PHYSICAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009

Project	Irrigable Area (ha)	Area (ha)					Overall Project Status (%)	
		Target	Actual (January to December 2009)			Actual To Date		
			CY 2009	Carry-Over Program	Total			
<b>b) LOCALLY FUNDED PROJECTS</b>								
1. RRENIAAIS (P1.65B)	R	-	-	11,092	11,092	23,715	95.16	
	Rest.	-	-	9,440	9,440	26,841		
2. RRENIAAIS (FY 2007 Augmentation Fund Released in 2008)	R	-	-	173	173	11,979	99.48	
	Rest.	-	-	500	500	24,834		
3. Bubunawan IP 2	N 1,000	-	-	-	-	-	48.27	
<b>SUBTOTAL ( b )</b>	R	-	-	11,265	11,265	35,694		
	Rest.	-	-	9,940	9,940	51,675		
<b>TOTAL ( C )</b>	N	10,862	-	-	1,800	1,800	6,150	
	R	750	-	-	11,265	11,265	36,444	
	Rest.	-	-	-	9,940	9,940	51,675	
<b>TOTAL ( A, B &amp; C )</b>	N	86,950	18,012	5,524	2,710	8,234	24,783	
	R	104,138	103,117	138,979	32,266	171,245	189,181	
	Rest.	7,000	134,050	90,596	11,183	101,779	113,562	
<b>II. INTER-AGENCY PROJECTS</b>								
<b>CARP-IC</b>								
<b>a) ONGOING</b>								
1. ARF II	N	34,428	445	707	-	707	12,324	87.39
	R	65,399	2,812	2,651	-	2,651	21,253	
2. ARISP III	N			Pre-Engineering				33.36
	R							
<b>b) CARRY-OVER PROJECTS</b>								
1. ARCDP II	N	2,865	-	-	250	250	369	71.29
	R	1,814	-	-	610	610	1,226	
2. MINSSAD	N	2,106	-	-	718	718	1,846	100.00
	R	683	-	-	-	-	639	
<b>TOTAL FOR INTER-AGENCY PROJECTS</b>	N	39,399	445	707	968	1,675	14,539	
	R	67,896	2,812	2,651	610	3,261	23,118	
<b>TOTAL FOR IRRIGATION</b>	N	126,349	18,457	6,231	3,678	9,909	39,322	
	R	172,034	105,929	141,630	32,876	174,506	212,299	
	Rest.	7,000	134,050	90,596	11,183	101,779	113,562	

**NOTE:**

N - New Area, in hectares  
R - Rehab Area, in hectares  
Rest. - Restoration/Restored Area, in hectares

**FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009  
(In Thousand Pesos)

Project	CY 2009 IRRIGATION PROGRAM				Unobligated Balance as of Dec. 2008	CARRY-OVER FUNDS				REGULAR CY 2009 PROGRAM & CARRY-OVER FUNDS			
	CY 2009 Program	January 1 - December 31, 2009				Realignment/ Adjustment	January 1 - December 31, 2009			Total CY Program	January 1 - December 31, 2009		
		Releases					Releases				Total Available Allotment	Cash/ Non-Cash Support	Obligation
(1)	Allotment	Cash/ Non-Cash Support	Obligation	(5)	(6)	Allotment	Cash/ Non-Cash Support	Obligation	(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. SPISP	PC	214,000	214,000	-	193,253	11,342	-	-	11,342	225,342	225,342	-	204,595
	LP	138,000	138,000	106,479	74,848	240,965	-	-	240,965	378,965	378,965	106,479	315,813
	TP	352,000	352,000	106,479	268,101	252,307	-	-	252,307	604,307	604,307	106,479	520,408
2. HCAAP	PC	132,000	132,000	-	50,566	70,057	-	-	70,057	202,057	202,057	-	120,623
	LP	268,000	268,000	1,523	169,079	68,179	-	-	68,179	336,179	336,179	1,523	237,258
	TP	400,000	400,000	1,523	219,645	138,236	-	-	138,236	538,236	538,236	1,523	357,881
3. BRIS RIP	PC	9,957	9,957	-	8,749	8,321	-	-	8,321	18,278	18,278	-	17,070
	LP	201,372	201,372	-	112,172	74,158	-	-	74,158	275,530	275,530	-	186,330
	TP	211,329	211,329	-	120,921	82,479	-	-	82,479	293,808	293,808	-	203,400
4. PIDP Phase 1	PC	381,000	-	-	-	-	(54,498)	54,498	-	381,000	-	-	-
	LP	887,000	-	-	-	-	(155,660)	155,660	-	887,000	-	-	-
	TP	1,268,000	-	-	-	-	(210,158)	210,158	-	1,268,000	-	-	-
5. MMIP Stage 2	PC	30,000	-	-	-	-	-	-	-	30,000	-	-	-
	LP	20,000	-	-	-	-	-	-	-	20,000	-	-	-
	TP	50,000	-	-	-	-	-	-	-	50,000	-	-	-
6. ARIIP	PC	222,000	222,000	-	-	-	-	-	-	222,000	222,000	-	-
	LP	-	-	-	-	-	-	-	-	-	-	-	-
	TP	222,000	222,000	-	-	-	-	-	-	222,000	222,000	-	-
<b>TOTAL ( A )</b>	PC	<b>988,957</b>	<b>577,957</b>	<b>-</b>	<b>252,568</b>	<b>89,720</b>	<b>(54,498)</b>	<b>54,498</b>	<b>-</b>	<b>89,720</b>	<b>1,078,677</b>	<b>-</b>	<b>342,288</b>
	LP	<b>1,514,372</b>	<b>607,372</b>	<b>108,002</b>	<b>356,099</b>	<b>383,302</b>	<b>(155,660)</b>	<b>155,660</b>	<b>-</b>	<b>383,302</b>	<b>1,897,674</b>	<b>108,002</b>	<b>739,401</b>
	TP	<b>2,503,329</b>	<b>1,185,329</b>	<b>108,002</b>	<b>608,667</b>	<b>473,022</b>	<b>(210,158)</b>	<b>210,158</b>	<b>-</b>	<b>473,022</b>	<b>2,976,351</b>	<b>108,002</b>	<b>1,081,689</b>
<b>B. LOCALLY FUNDED PROJECTS</b>													
<b>a) ONGOING</b>													
1. Addalam River IP	PC	100,000	100,000	76,639	100,000	3,334	-	-	3,334	103,334	103,334	76,639	103,334
2. CRRNENIS/CIS	PC	248,400	248,400	133,993	241,177	3,397	-	-	3,397	251,797	251,797	133,993	244,574
3. SRIP	PC	425,000	425,000	436,428	373,984	84,337	-	-	84,337	509,337	509,337	436,428	458,321
4. RRGP	PC	30,000	30,000	29,882	22,162	1,455	-	-	1,455	31,455	31,455	29,882	23,617
5. Dolores IP	PC	95,337	95,337	91,008	94,918	461	-	-	461	95,798	95,798	91,008	95,379
6. BBMP	PC	250,000	250,000	265,893	246,735	52,284	-	-	52,284	302,284	302,284	265,893	299,019
7. BSPP	PC	200,000	200,000	194,048	199,850	4,261	-	-	4,261	204,261	204,261	194,048	204,111
8. FSDE	PC	30,000	30,000	31,403	27,160	7,720	-	-	7,720	37,720	37,720	31,403	34,880
9. IMTSS	PC	8,000	8,000	11,922	7,026	4,549	-	-	4,549	12,549	12,549	11,922	11,575
10. RRENIAAIS	PC	6,200,000	6,200,000	4,948,033	6,191,681	-	-	-	-	6,200,000	6,200,000	4,948,033	6,191,681
11. Payment for ROW, completion works & Claims of Completed Projects	PC	220,875	220,875	162,009	220,875	601	-	-	601	221,476	221,476	162,009	221,476

**FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009  
(In Thousand Pesos)

Project	CY 2009 IRRIGATION PROGRAM					CARRY-OVER FUNDS					REGULAR CY 2009 PROGRAM & CARRY-OVER FUNDS			
	CY 2009 Program	January 1 - December 31, 2009				Unobligated Balance as of Dec. 2008	January 1 - December 31, 2009				Total CY Program	January 1 - December 31, 2009		
		Releases			Obligation		Realignment/ Adjustment	Releases		Obligation		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)		
12. Balingasag IP	PC	360,255	360,255	338,316	360,255	-	-	-	-	-	360,255	360,255	338,316	360,255
13. Talakag IP	PC	335,250	335,250	318,487	335,250	-	-	-	-	-	335,250	335,250	318,487	335,250
14. Malaig RIP	PC	272,922	272,922	259,276	272,922	-	-	-	-	-	272,922	272,922	259,276	272,922
15. ARIIP	PC	300,000	300,000	202,869	299,700	772	-	-	-	772	300,772	300,772	202,869	300,472
16. Libmanan-Cabusao Dam	PC	300,000	300,000	285,000	300,000	-	-	-	-	-	300,000	300,000	285,000	300,000
17. Sta. Josefa PIP	PC	300,000	300,000	265,050	299,938	333	-	-	-	333	300,333	300,333	265,050	300,271
18. Repair, O&M of NIS PIS	PC	116,000	116,000	110,200	114,095	-	-	-	-	-	116,000	116,000	110,200	114,095
19. Basey IP	PC	350,000	350,000	332,500	348,426	-	-	-	-	-	350,000	350,000	332,500	348,426
20. Along Along IP	PC	250,000	250,000	-	154,312	-	-	-	-	-	250,000	250,000	-	154,312
21. APIEC in Lubang Island-IC	PC	53,500	53,500	50,825	51,322	-	-	-	-	-	53,500	53,500	50,825	51,322
22. IFUMWP	PC	15,000	-	-	-	-	-	-	-	-	15,000	-	-	-
23. Rep/Rehab of Irrigation Canal Along Brgy Cayambanan & Brgy. Nancalobasan	PC	5,000	-	-	-	-	-	-	-	-	5,000	-	-	-
24. Rehab of Dumanjug CIS	PC	12,800	-	-	-	-	-	-	-	-	12,800	-	-	-
25. RRENIAAIS (NDC 5)	PC	2,000,000	2,000,000	2,000,000	1,999,614	-	-	-	-	-	2,000,000	2,000,000	2,000,000	1,999,614
<b>TOTAL ( B )</b>	<b>PC</b>	<b>12,478,339</b>	<b>12,445,539</b>	<b>10,543,781</b>	<b>12,261,402</b>	<b>163,504</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>163,504</b>	<b>12,641,843</b>	<b>12,609,043</b>	<b>10,543,781</b>	<b>12,424,906</b>
<b>TOTAL ( A &amp; B )</b>	<b>PC</b>	<b>13,467,296</b>	<b>13,023,496</b>	<b>10,543,781</b>	<b>12,513,970</b>	<b>253,224</b>	<b>(54,498)</b>	<b>54,498</b>	<b>-</b>	<b>253,224</b>	<b>13,720,520</b>	<b>13,276,720</b>	<b>10,543,781</b>	<b>12,767,194</b>
	<b>LP</b>	<b>1,514,372</b>	<b>607,372</b>	<b>108,002</b>	<b>356,099</b>	<b>383,302</b>	<b>(155,660)</b>	<b>155,660</b>	<b>-</b>	<b>383,302</b>	<b>1,897,674</b>	<b>990,674</b>	<b>108,002</b>	<b>739,401</b>
	<b>TP</b>	<b>14,981,668</b>	<b>13,630,868</b>	<b>10,651,783</b>	<b>12,870,069</b>	<b>636,526</b>	<b>(210,158)</b>	<b>210,158</b>	<b>-</b>	<b>636,526</b>	<b>15,618,194</b>	<b>14,267,394</b>	<b>10,651,783</b>	<b>13,506,595</b>
<b>C. CARRY-OVER PROJECTS</b>														
<b>a) Foreign-Assisted Projects</b>														
1. BIP II	PC	-	-	-	-	-	-	-	-	-	-	-	-	-
	LP	-	-	-	-	35,147	-	-	83,200	11,056	35,147	35,147	83,200	11,056
	TP	-	-	-	-	35,147	-	-	83,200	11,056	35,147	35,147	83,200	11,056
2. BPIP	PC	-	-	-	-	-	139,242	81,313	-	220,555	220,555	220,555	-	220,555
	LP	-	-	-	-	-	332,916	591,155	-	924,071	924,071	924,071	-	924,071
	TP	-	-	-	-	-	472,158	672,468	-	1,144,626	1,144,626	1,144,626	-	1,144,626
3. Balintongan Reservoir MPP	PC	-	-	-	-	-	(80,000)	80,000	-	-	-	-	-	-
	LP	-	-	-	-	-	(120,000)	120,000	-	-	-	-	-	-
	TP	-	-	-	-	-	(200,000)	200,000	-	-	-	-	-	-
4. CMIPP-IC	PC	-	-	-	-	189,697	-	-	-	73,981	189,697	189,697	-	73,981
	LP	-	-	-	-	111,926	-	-	19,154	9,273	111,926	111,926	19,154	9,273
	TP	-	-	-	-	301,623	-	-	19,154	83,254	301,623	301,623	19,154	83,254
5. Rehab Project of AMRIS	PC	-	-	-	-	-	(62,000)	62,000	-	-	-	-	-	-
	LP	-	-	-	-	-	-	-	-	-	-	-	-	-
	TP	-	-	-	-	-	(62,000)	62,000	-	-	-	-	-	-
<b>TOTAL ( a )</b>	<b>PC</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>189,697</b>	<b>(2,758)</b>	<b>223,313</b>	<b>-</b>	<b>294,536</b>	<b>410,252</b>	<b>410,252</b>	<b>-</b>	<b>294,536</b>
	<b>LP</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>147,073</b>	<b>212,916</b>	<b>711,155</b>	<b>102,354</b>	<b>944,400</b>	<b>1,071,144</b>	<b>1,071,144</b>	<b>102,354</b>	<b>944,400</b>
	<b>TP</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>336,770</b>	<b>210,158</b>	<b>934,468</b>	<b>102,354</b>	<b>1,238,936</b>	<b>1,481,396</b>	<b>1,481,396</b>	<b>102,354</b>	<b>1,238,936</b>

**FINANCIAL STATUS OF IRRIGATION PROJECTS**  
**CY 2009 PROGRAM**  
As of December 31, 2009  
(In Thousand Pesos)

Project	CY 2009 IRRIGATION PROGRAM				Unobligated Balance as of Dec. 2008	CARRY-OVER FUNDS				REGULAR CY 2009 PROGRAM & CARRY-OVER FUNDS				
	CY 2009 Program	January 1 - December 31, 2009				Realignment/ Adjustment	January 1 - December 31, 2009			Total CY Program	January 1 - December 31, 2009			
		Releases					Releases				Total Available Allotment	Cash/ Non-Cash Support	Obligation	
	Allotment	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>b) Locally-Funded Projects</b>														
1. RRENIAAIS (P1.65B)	PC -	-	-	-	81,165	-	-	-	81,165	81,165	81,165	-	81,165	
2. Bubunawan IP 2	PC -	-	-	-	32	-	-	-	32	32	32	-	32	
<b>TOTAL ( b )</b>	PC -	-	-	-	<b>81,197</b>	-	-	-	<b>81,197</b>	<b>81,197</b>	<b>81,197</b>	-	<b>81,197</b>	
<b>TOTAL ( C )</b>	PC -	-	-	-	<b>270,894</b>	<b>(2,758)</b>	<b>223,313</b>	-	<b>375,733</b>	<b>491,449</b>	<b>491,449</b>	-	<b>375,733</b>	
	LP -	-	-	-	<b>147,073</b>	<b>212,916</b>	<b>711,155</b>	<b>102,354</b>	<b>944,400</b>	<b>1,071,144</b>	<b>1,071,144</b>	<b>102,354</b>	<b>944,400</b>	
	TP -	-	-	-	<b>417,967</b>	<b>210,158</b>	<b>934,468</b>	<b>102,354</b>	<b>1,320,133</b>	<b>1,562,593</b>	<b>1,562,593</b>	<b>102,354</b>	<b>1,320,133</b>	
<b>D. LUMPSUM ALLOTMENT/ NCA/ OBLIGATION</b>														
	PC -	-	1,996,436	-	-	-	-	-	-	-	-	1,996,436	-	
<b>TOTAL FOR NIA PROJECTS</b>	PC	<b>13,467,296</b>	<b>13,023,496</b>	<b>12,540,217</b>	<b>12,513,970</b>	<b>524,118</b>	<b>(57,256)</b>	<b>277,811</b>	-	<b>628,957</b>	<b>14,211,969</b>	<b>13,768,169</b>	<b>12,540,217</b>	<b>13,142,927</b>
	LP	<b>1,514,372</b>	<b>607,372</b>	<b>108,002</b>	<b>356,099</b>	<b>530,375</b>	<b>57,256</b>	<b>866,815</b>	<b>102,354</b>	<b>1,327,702</b>	<b>2,968,818</b>	<b>2,061,818</b>	<b>210,356</b>	<b>1,683,801</b>
	TP	<b>14,981,668</b>	<b>13,630,868</b>	<b>12,648,219</b>	<b>12,870,069</b>	<b>1,054,493</b>	-	<b>1,144,626</b>	<b>102,354</b>	<b>1,956,659</b>	<b>17,180,787</b>	<b>15,829,987</b>	<b>12,750,573</b>	<b>14,826,728</b>
<b>II. INTER-AGENCY PROJECTS</b>														
<b>A. CARP-IC</b>														
<b>a) ONGOING</b>														
1. ARF Phase II	PC	241,620	242,899	159,629	211,855	33,470	-	-	44,477	33,470	275,090	276,369	204,106	245,325
2. ARISP III	PC	23,790	23,790	23,790	16,036	-	-	-	-	23,790	23,790	23,790	16,036	
	LP	-	-	-	-	-	-	-	-	-	-	-	-	
	TP	23,790	23,790	23,790	16,036	-	-	-	-	23,790	23,790	23,790	16,036	
<b>b) CARRY-OVER PROJECTS</b>														
1. ARCDP II	PC	-	-	-	-	-	-	22,436	22,436	-	22,436	22,436	-	
	LP	-	-	-	-	-	-	36,455	153,944	103,179	36,455	36,455	153,944	
	TP	-	-	-	-	-	-	58,891	176,380	103,179	58,891	58,891	176,380	
2. MINSSAD	PC	-	-	-	-	10,285	-	34	-	7,031	10,319	10,319	-	
	LP	-	-	-	-	3,909	-	-	-	3,085	3,909	3,909	-	
	TP	-	-	-	-	14,194	-	34	-	10,116	14,228	14,228	-	
<b>TOTAL FOR INTER-AGENCY PROJECTS ( II )</b>	PC	<b>265,410</b>	<b>266,689</b>	<b>183,419</b>	<b>227,891</b>	<b>43,755</b>	-	<b>22,470</b>	<b>66,913</b>	<b>40,501</b>	<b>331,635</b>	<b>332,914</b>	<b>250,332</b>	
	LP	-	-	-	-	<b>3,909</b>	-	<b>36,455</b>	<b>153,944</b>	<b>106,264</b>	<b>40,364</b>	<b>40,364</b>	<b>153,944</b>	
	TP	<b>265,410</b>	<b>266,689</b>	<b>183,419</b>	<b>227,891</b>	<b>47,664</b>	-	<b>58,925</b>	<b>220,857</b>	<b>146,765</b>	<b>371,999</b>	<b>373,278</b>	<b>404,276</b>	
<b>TOTAL FOR IRRIGATION</b>	PC	<b>13,732,706</b>	<b>13,290,185</b>	<b>12,723,636</b>	<b>12,741,861</b>	<b>567,873</b>	<b>(57,256)</b>	<b>300,281</b>	<b>66,913</b>	<b>669,458</b>	<b>14,543,604</b>	<b>14,101,083</b>	<b>12,790,549</b>	
	LP	<b>1,514,372</b>	<b>607,372</b>	<b>108,002</b>	<b>356,099</b>	<b>534,284</b>	<b>57,256</b>	<b>903,270</b>	<b>256,298</b>	<b>1,433,966</b>	<b>3,009,182</b>	<b>2,102,182</b>	<b>1,790,065</b>	
	TP	<b>15,247,078</b>	<b>13,897,557</b>	<b>12,831,638</b>	<b>13,097,960</b>	<b>1,102,157</b>	-	<b>1,203,551</b>	<b>323,211</b>	<b>2,103,424</b>	<b>17,552,786</b>	<b>16,203,265</b>	<b>13,154,849</b>	

NOTE: CARRY-OVER PROGRAM includes balances from CY 2008 Regular Appropriations

Cash/Non-Cash Support per DBM's breakdown  
Unaudited financial report as of December 31, 2009  
PC - Peso Counterpart  
LP - Loan Proceeds  
TP - Total in Pesos

## PROJECT PREPARATION ACTIVITIES

As of December 31, 2009

<i>Name of Project</i>	<i>Region</i>	<i>Location</i>	<i>Overall Status (%)</i>
<b>A. Pre-Feasibility/Project Identification</b>			
1. Paculago SRIP	2	Isabela	Completed
2. Tinaplan SRIP	6	Iloilo	On-hold
3. Cabangan SRIP	3	Zambales	Ongoing
4. Rio-Chico RIP	CAR	Kalinga	Ongoing
<b>B. Feasibility Study</b>			
1. Libmanan-Cabusao RIP	5	Camarines Sur	Completed
2. Jalaur MRMP Stage II (by contract)	6	Iloilo	Completed
3. Barbar SRIP		Ilocos Sur	Completed
4. Bugko IP	8	Samar	Ongoing
5. Gregorio del Pilar IP	1	Ilocos Sur	Ongoing
6. Bislig City Integrated Dev't. Project - IC	13	Surigao del Sur	Ongoing
7. Tawit RIP	CAR	Apayao	Ongoing
8. Dapdap SRIP	8	Eastern Samar	Ongoing
9. Highland Agno River Basin IP	CAR	Benguet	Ongoing
10. Paculago SRIP	2	Isabela	Ongoing
11. CMIPP-IC Phase (PCR)	3	Bulacan & Nueva Ecija	Ongoing
12. Sulvec SRIP	1	Ilocos Norte	Ongoing
13. Balintongan Reservoir MPP (Environmental Study)	3	Bulacan & Nueva Ecija	Ongoing
<b>C. Detailed Design</b>			
1. Marimay SRIP	CAR	Apayao	Completed
2. Pila Reservoir Project (Surface Drilling - Phase I)	1	Pangasinan	Completed
3. Dibuluan RIP	2	Isabela	Ongoing
4. Bongabong IP	4	Oriental Mindoro	Ongoing
5. Tineg RIP	CAR	Abra	Deferred
6. Chico River Pump Irrigation Project	CAR	Kalinga	Ongoing
7. Calbiga	8	Western Samar	Ongoing
8. Kitcharao SRIP	13	Agusan del Norte	Ongoing
9. Asbang SRIP	11	Davao del Sur	Ongoing
10. San Angel SRIP	1	Pangasinan	Ongoing
11. Barotac-Viejo SRIP	6	Iloilo	Ongoing
12. Barbar SRIP	1	Ilocos Sur	Ongoing
<b>D. Assistance to LGU &amp; Other Projects</b>			
<b>a. Packaging of Projects for Implementation and Economic Evaluation</b>			
1. Agno River IP	1	Pangasinan	Completed
2. Panas SRIP	11	Davao del Norte	Completed
3. Rehab of Irrigation Systems & Rural Dev't. in Areas Affected by Mt. Mayon	5	Albay	Completed
4. CMIPP	3	Bulacan, Nueva Ecija & Pampanga	Completed
5. Umayam RIP	13	Agusan del Sur	Completed
6. Sector Loan on Rehabilitation of Irrigation Facilities	1,4,5,10,11,12 & 13	Varios National Irrigation Systems	ongoing
7. Irrigation System Operation Efficiency Improvement Project	6 & 11	Varios National Irrigation Systems	ongoing
8. Participatory Irrigation Management Sector Project		Visayas and Mindanao	ongoing
9. Rural Development Pilot Project for Muslim Mindanao Peace Promotion		Mindanao	ongoing
10. Hibulungan SRIP	8	Leyte	ongoing
11. Balog-Balog	3	Tarlac	ongoing
12. Bohol II - Malinao Dam	7	Bohol	ongoing
<b>b. Groundwater and Surface Water Studies</b>			
1. Banurbur Creek IP			Completed

## PROJECT PREPARATION ACTIVITIES

As of December 31, 2009

<i>Name of Project</i>	<i>Region</i>	<i>Location</i>	<i>Overall Status (%)</i>
2. Asbang SRIP	11	Davao del Sur	Completed
3. Dauin SRIP	7	Negros Oriental	Completed
4. Zamboanga Groundwater Project	9	Zamboanga	Completed
5. Mini-hydro Power Plant - Barit RIS	5	Camarines Sur	Completed
6. Magballo-Balicotoc-Canlamay Integrated IP	10	Misamis Occidental	Continuing Activity
7. Palsiguan Multipurpose Project	2	Quirino	Continuing Activity
8. Tumauni Multi-Purpose Project	2	Isabela	Continuing Activity
9. Regional Map (Hydrological Station Network)		Nationwide	Continuing Activity
10. Streamflow Data Checking/Encoding		Nationwide	Continuing Activity
11. Alegria STWIP			Ongoing
12. Shallow Tubewell IP			Ongoing
13. Malinao Dam Improvement Project	7	Bohol	Ongoing
14. Inventory of Rivers and Creeks/Stream (Irrigation System Operation Efficiency Improvement Project)	6	Varios Irrigation Systems	Ongoing
15. Jalaur RMP (review of FS)	6	Iloilo	Ongoing
<b>c. Geology - Special Projects (Geological Investigation)</b>			
1. Agno River Integrated IP	1	Pangasinan	Completed
2. Gregorio del Pilar	1	Ilocos Sur	Ongoing
3. Sulvec SRIP	1	Ilocos Norte	Continuing Activity
4. Passa SRIP	1	Ilocos Sur	NIA Consult
5. Asbang SRIP	11	Davao del Sur	Continuing Activity
6. Masidem SRIP	1	Pangasinan	Continuing Activity
7. Kitcharao SRIP	CAR	Apayao	Continuing Activity
8. Binalawan IP		Negros Oriental	Continuing Activity
9. Managok	10	Bukidnon	Continuing Activity
10. Libmanan-Cabusao	5	Camarines Sur	Continuing Activity
11. Barbar SRIP	1	Ilocos Sur	Continuing Activity
12. San Angel SRIP	1	Pangasinan	Continuing Activity
13. Tangub SRIP	10	Misamis Occidental	Continuing Activity
<b>e. Survey &amp; Mapping</b>			
1. Talibon SRIP	7	Bohol	Completed
2. Bugko IP	8	Samar	Ongoing
3. Bongabong IP	4	Occidental Mindoro	40
4. Highland Agno River Basin IP	CAR	Mt Province	70
5. Del Pilar	1	Ilocos Sur	50
6. Various NIA Housing Project		Nationwide	Ongoing
7. Sulvec SRIP	1	Ilocos Norte	90
8. Bani SRIP			20
<b>E. Watershed Assessment &amp; Management Planning of Proposed NIPs</b>			
1. Balintongan MRP	3	Nueva Ecija	Completed
2. Watershed & Environmental Study of Upper Agno River Basin IP	1	Pangasinan	Ongoing
3. Updating of Critical NISs Watersheds	All Regions	Nationwide	Continuing Activity
4. Mapping of Irrigation Development using GIS	All Regions	Nationwide	92
5. NIA-NPC Joint Watershed Mgt of Pantabangan and Magat Watershed under LOI 1002 (NIA-NPC MOA)			Continuing Activity
6. NIA DENR MOA on Watershed Mgt Planning			Continuing Activity
7. Formulation of NIA's Corporate Environmental Policy (Joint undertaking of PDD & SPSP)			Deffered
8. PIDP (provided assistance to Consultant)			Continuing Activity
9. Bicol River Basins			Continuing Activity

## STATUS OF IRRIGATION DEVELOPMENT

As of December 31,2009

(In Hectares)

Region	Estimated Total Irrigable Area a/	Service Area				Irrigation Development (%)	Remaining Potential Area to be Developed
		National Irrigation System b/	Communal Irrigation System	Private Irrigation System	TOTAL		
CAR	99,650	22,622	35,351	22,912	80,885	81	18,765
1	277,180	57,567	96,654	27,329	181,550	65	95,630
2	472,640	142,530	41,775	23,095	207,400	44	265,240
3	498,860	202,311	78,008	20,555	300,874	60	197,986
4	246,960	53,146	53,133	17,962	124,241	50	122,719
5	239,660	20,530	70,050	29,484	120,064	50	119,596
6	197,250	53,191	20,372	5,499	79,062	40	118,188
7	50,740	10,040	22,529	2,539	35,108	69	15,632
8	84,380	19,104	29,748	4,466	53,318	63	31,062
9	76,080	15,162	19,739	1,972	36,873	48	39,207
10	120,700	26,419	23,564	14,764	64,747	54	55,953
11	149,610	33,971	15,639	25,915	75,525	50	74,085
12	293,610	62,437	22,255	17,296	101,988	35	191,622
ARMM	156,720	16,520	7,095	225	23,840	15	133,440
CARAGA	162,300	29,427	21,719	3,316	54,462	34	107,838
<b>TOTAL</b>	<b>3,126,340</b>	<b>764,977</b>	<b>557,631</b>	<b>217,329</b>	<b>1,539,937</b>	<b>49</b>	<b>1,586,963</b>

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

b/ - Includes CY 2009 newly developed areas

**SERVICE AND IRRIGATED AREA OF NATIONAL IRRIGATION SYSTEMS**  
**CROP YEAR 2008-2009**  
**As of December 31, 2009**

REGION	NO. OF NIS	SERVICE AREA	IRRIGATED AREA (ha)									IRRIGATED CROPPING INTENSITY (%)
			WET SEASON			DRY SEASON			THIRD CROP			
			PROGRAM	ACTUAL	%	PROGRAM	ACTUAL	%	PROGRAM	ACTUAL	%	
CAR	3	22,622	15,956	15,281	95.77	14,950	14,524	97.15	144	144	100.00	132.39
1	25	55,967	33,767	31,753	94.04	25,522	25,628	100.42	1,376	538	39.10	103.49
2	21	140,959	114,462	109,101	95.32	118,167	116,092	98.24	20,687	16,757	81.00	171.65
3	23	192,886	144,116	143,578	99.63	143,386	142,997	99.73	25,714	21,968	85.43	159.96
4	45	53,146	32,702	30,735	93.99	27,719	27,251	98.31	400	230	57.50	109.54
5	16	20,530	15,882	15,208	95.76	16,310	16,052	98.42	3,344	3,390	101.38	168.78
6	12	52,216	43,754	42,704	97.60	37,091	34,989	94.33	10,096	4,970	49.23	158.31
7	3	10,040	6,700	5,129	76.55	6,150	4,011	65.22				91.04
8	17	19,104	16,043	15,541	96.87	16,442	15,845	96.37	310	65	20.97	164.63
9	4	15,162	13,253	13,253	100.00	12,714	12,691	99.82	2,394	1,000	41.77	177.71
10	6	26,411	19,243	19,170	99.62	19,152	19,152	100.00	4,486	4,450	99.20	161.95
11	9	33,971	29,876	29,657	99.27	29,876	29,364	98.29	4,554	816	17.92	176.14
12	13	59,199	52,640	51,980	98.75	50,742	50,575	99.67	2,595	2,949	113.64	178.22
13	7	28,019	16,558	15,460	93.37	17,058	15,619	91.56	1,925	1,925	100.00	117.79
ARMM	5	16,105	10,706	7,082	66.15	6,624	6,809	102.79	270	270	100.00	87.93
<b>TOTAL</b>	<b>209</b>	<b>746,337</b>	<b>565,658</b>	<b>545,632</b>	<b>96.46</b>	<b>541,903</b>	<b>531,599</b>	<b>98.10</b>	<b>78,295</b>	<b>59,472</b>	<b>75.96</b>	<b>152.30</b>

*Dry Season - November 2008 to April 2009*

*Wet Season - May 2009 to October 2009*

*Some parts of Regions 5, 7, 11 & 13 have inverted cropping season*

**STATUS OF IA ORGANIZATION, REGISTRATION  
and O&M CONTRACTING**

As of December 31, 2009

PARTICULARS	NUMBER
<b>I. <u>IA Organized</u></b>	
Number of IA Organized	6,899
Number of Farmer-Members	857,342
Area Covered, ha	1,244,937
<b>II. <u>IA Registered</u></b>	
Number of IA Registered w/ SEC	6,362
Number of Farmers	804,167
Area Covered, ha	1,160,247
<b>III. <u>O&amp;M Contracting</u></b>	
Number of IA with O&M Contracts	7,145
Number of Farmers	957,993
Area Covered, ha	1,272,971

**IRRIGATORS' ASSOCIATION ORGANIZATION, TRAINING AND DEVELOPMENT**  
**NATIONAL AND COMMUNAL IRRIGATION SYSTEMS/PROJECTS**  
**January 1 - December 31, 2009**

<i>PARTICULARS</i>	<i>CY 2009 TARGET</i>			<i>ACTUAL</i>			<i>STATUS (%)</i>
	<i>NATIONAL</i>	<i>COMMUNAL</i>	<i>TOTAL</i>	<i>NATIONAL</i>	<i>COMMUNAL</i>	<i>TOTAL</i>	
<b>I. <u>IA Organization</u></b>							
a. Number of IA Organized	147	69	216	125	55	180	83.33
Area Covered, ha	42,561	3,947	46,508	36,191	3,146	39,337	84.58
Number of Farmers	39,653	3,018	42,671	33,705	2,405	36,110	84.62
b. IA Strengthening							
Number of IA	2,697	291	2,988	2,400	247	2,647	88.59
Area Covered, ha	417,395	81,095	498,490	363,133	70,552	433,685	87.00
Number of Farmers	319,915	68,913	388,828	278,326	59,954	338,280	87.00
c. Number of IA Registered w/ SEC	183	71	254	139	54	193	75.98
Area Covered, ha	42,019	4,982	47,001	31,934	3,985	35,919	76.42
Number of Farmers	39,297	3,998	43,295	29,865	3,198	33,063	76.37
<b>II. <u>Memorandum of Agreement Signed</u></b>							
a. New							
Number of IA	181	39	220	152	35	187	85.00
Area Covered, ha	35,749	20,111	55,860	30,029	17,899	47,928	85.80
Number of Farmers	42,164	15,083	57,247	35,839	13,424	49,263	86.05
b. Renewal							
Number of IA	647	396	1,043	446	297	743	71.24
Area Covered, ha	137,894	35,647	173,541	95,147	26,735	121,882	70.23
Number of Farmers	129,795	36,070	165,865	89,559	27,053	116,612	70.31
<b>III. <u>Trainings/Workshop</u></b>							
a. IA-Training (Participants)	16,973	15,757	32,730	15,106	14,024	29,130	89.00
b. Staff Training, Orientation Workshop (Participants)	1,098	896	1,994	988	806	1,794	89.97

**STATUS OF NIA EQUIPMENT**  
As of December 31, 2009

Region/ Office	Heavy Equipment (H)				Light Equipment (L)				Other Equipment (O)				Special Equipment (S)				Total					Percent Operable (%)				Overall Percent Operable (%)
	A1	A2	A3	R	A1	A2	A3	R	A1	A2	A3	R	A1	A2	A3	R	H	L	O	S	TOTAL	H	L	O	S	
1	-	35	6	6	18	100	8	17	2	38	9	7	-	17	1	-	47	143	56	18	264	-	14	4	-	9
2	5	30	15	16	1	198	36	26	-	55	25	39	-	7	-	6	66	261	119	13	459	10	-	-	-	2
3	-	40	13	8	5	322	25	21	1	74	13	12	1	11	-	1	61	373	100	13	547	-	1	1	8	1
4	2	32	15	11	14	258	27	63	-	26	19	54	-	1	3	5	60	362	99	9	530	4	5	-	-	4
5	-	17	7	12	1	106	8	49	-	33	-	73	-	13	-	1	36	164	106	14	320	-	1	-	-	1
6	2	30	22	43	34	97	11	169	6	85	6	92	2	21	2	15	97	311	189	40	637	4	24	6	8	14
7	4	16	15	8	7	102	33	41	-	40	25	18	-	-	-	-	43	183	83	-	309	11	5	-	-	5
8	4	24	7	10	45	56	9	25	27	41	4	13	-	2	-	-	45	135	85	2	267	11	41	38	-	35
9	-	2	17	-	2	16	11	28	-	31	2	22	-	-	1	-	19	57	55	1	132	-	7	-	-	2
10	-	20	13	21	-	61	15	21	-	8	9	5	-	-	-	-	54	97	22	-	173	-	-	-	-	0
11	-	55	2	-	-	169	4	-	-	80	2	-	-	7	-	-	57	173	82	7	319	-	-	-	-	0
12	-	57	10	23	-	215	21	73	-	59	11	44	-	1	-	-	90	309	114	1	514	-	-	-	-	0
13	-	43	24	8	-	142	61	18	-	89	41	91	-	1	5	-	75	221	221	6	523	-	-	-	-	0
MRIIS	-	24	16	9	6	115	18	9	8	46	10	3	-	16	1	5	49	148	67	22	286	-	4	13	-	5
UPRIIS	3	15	6	-	18	124	12	12	1	71	58	1	-	2	-	5	24	166	131	7	328	13	12	1	-	7
CAR	1	6	-	6	20	38	6	23	15	18	11	10	-	-	-	1	13	87	54	1	155	14	31	34	-	31
CO	-	-	-	-	10	20	3	-	-	-	-	-	-	2	1	-	-	33	-	3	36	-	30	-	-	28
<b>TOTAL</b>	<b>21</b>	<b>446</b>	<b>188</b>	<b>181</b>	<b>181</b>	<b>2,139</b>	<b>308</b>	<b>595</b>	<b>60</b>	<b>794</b>	<b>245</b>	<b>484</b>	<b>3</b>	<b>101</b>	<b>14</b>	<b>39</b>	<b>836</b>	<b>3,223</b>	<b>1,583</b>	<b>157</b>	<b>5,799</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>3</b>	<b>6</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, etc

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