



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

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OUR REFERENCE

28 February 2011

Honorable JULIA ABAD
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 2010.

Thank you for your support to Irrigation Development.

Respectfully yours,


ANTONIO S. NANGEL
Administrator

cc: The Secretary
Department of Agriculture



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

YEAR-END REPORT TO THE PRESIDENT

2010

**YEAR-END
REPORT
TO THE
PRESIDENT**

Republic of the Philippines
NATIONAL IRRIGATION ADMINISTRATION
Quezon City

DECEMBER 31, 2010

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ABBREVIATIONS/ACRONYMS USED

AFMA	- Agriculture and Fisheries Modernization Act	CIP or CIS	- Communal Irrigation Project or System
APIEC	- Agricultural Productivity Improvement & Environmental Conservation	CMIPP-IC	- Casecan Multipurpose Irrigation and Power Project – Irrigation Component
ARC	- Agrarian Reform Communities	COB	- Current Operating Budget
ARCDP	- Agrarian Reform Communities Development Project	CRRNENIS/CIS	- Construction/Repair/Rehabilitation of New/Existing National Irrigation System/Communal Irrigation System
ARMM	- Autonomous Region of Muslim Mindanao	CY	- Calendar Year
ARF	- Agrarian Reform Fund	DA	- Department of Agriculture
ARIIP	- Agno River Integrated Irrigation Project	DAR	- Department of Agrarian Reform
ARISP III	- Agrarian Reform Infrastructure Support Project III	DBM	- Department of Budget and Management
BBMP	- Balog-Balog Multi Purpose Project	EO	- Executive Order
B	- Billion	FO	- Field Office
BPIP	- Banaoang Pump Irrigation Project	FSDE	- Feasibility Study and Detailed Engineering
BRIS RIP	- Bago River Irrigation System Rehabilitation and Improvement Project	GOP	- Government of the Philippines
BSPP	- Balikatan Sagip Patubig Program	HCAAP	- Help for Catubig Agricultural Advancement Project
CAR	- Cordillera Administrative Region	ha	- hectare
CARP-IC	- Comprehensive Agrarian Reform Program – Irrigation Component	IDP	- Irrigation Development Project
		IMT	- Irrigation Management Transfer
		IMTSS	- Irrigation Management Transfer Support Services

IA	- Irrigators Association	PGMA	- President Gloria Macapagal Arroyo
IC	- Irrigation Component	PIDP	- Participatory Irrigation Development Project
IP	- Irrigation Project	PIP	- Project Completion Report
IS	- Irrigation System	PD	- Presidential Decree
ISOEIP	- Irrigation Systems Operation Efficiency Improvement Project	PMO	- Project Management Office
JBIC	- Japan Bank for International Cooperation	RA	- Republic Act
LGU	- Local Government Unit	RIP	- River Irrigation Project
LP	- Loan Proceeds	RP	- Rationalization Plan
M	- Million	RREGIP	- Repair/Rehabilitation/ Establishment of Groundwater Irrigation Project
MMIP	- Malitubog-Maridagao Irrigation Project	RRENIAAIS	- Restoration/Rehab of Existing NIA Assisted Irrigation Systems
MOA	- Memorandum of Agreement	Rehab	- rehabilitation/rehabilitated Area
MPP	- Multipurpose Project	Rest	- restoration/restored area
New	- New area generation/generated	RIP or RIS	- River Irrigation Project or System
NCA	- Notice of Cash Allocation	ROW	- Right-of-Way
NCAA	- Non-Cash Availment Authority	SEC	- Security and Exchange Commission
NDC	- National Development Company	SONA	- State of the Nation Address
NIA	- National Irrigation Administration	SPISP	- Southern Philippines Irrigation Sector Project
NIP or NIS	- National Irrigation Project or System	SRIP	- Small Reservoir Irrigation Project
O&M	- Operation & Maintenance	Y	- Year
PC	- Peso Counterpart		
PCR	- Project Completion Report		

EXECUTIVE SUMMARY

NIA pursued the implementation of 38 irrigation projects: 8 foreign-assisted, 27 locally-funded (including continuing activities and carry-over projects) and three inter-agency projects. Seven are located in Luzon, seven in Visayas, five in Mindanao and nineteen 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, 2010, the agency accomplished 51% of the targeted area of 12,989 ha for generation or 6,603 ha and 79% of 248,565 ha for rehabilitation or 196,075 ha and 77% of 66,862 ha for restoration or 51,329 ha.

Irrigation Development Program for the year involved a funding requirement of ₱16.48 B, broken down into: ₱14.96 B regular budget, ₱0.77 B carry-over funds and ₱0.75 B inter-agency funds. Total available allotment was ₱15.93 B with cash and non-cash support of ₱12.48 B or 78% of the available allotment. Obligations incurred amounted to ₱14.11 B. (see Annex C for details)

The Agency now manages 212 NIS nationwide with a total service area of 751,787 ha. The total irrigated area was 1,102,394 ha broken down into 529,810 ha during the dry season (November 2009 to April 2010), 546,363 ha during the wet season (May 2010 to October 2010) and 26,221 ha for the third crop. Irrigation cropping intensity attained was 147%.

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

Category	CY 2010 PROGRAM					
	Total CY 2010 Program			Releases (January to December 2010)		
	Approved Capital Outlay/ Realignment	Unprogrammed Funds & Other Sources	Total	Allotment Releases	Cash/Non-Cash Support	Obligation
(1)	(2)	(3)=(1)+(2)	(4)	(5)	(6)	
<u>NIA PROJECTS</u>						
Foreign-Assisted Projects	4,144,324	-	4,144,324	4,124,324	-	3,187,698
Locally Funded Projects	9,455,062	1,360,924	10,815,986	10,280,986	1,328,164	9,826,558
Lump Sum	-	-	-	-	10,414,567	-
Total for NIA PROJECTS	13,599,386	1,360,924	14,960,310	14,405,310	11,742,731	13,014,256
<u>INTER-AGENCY PROJECTS</u>	661,613	-	661,613	665,134	214,982	232,511
Total for IRRIGATION	14,260,999	1,360,924	15,621,923	15,070,444	11,957,713	13,246,767

Category	CARRY-OVER FUNDS			
	Unobligated Balance as of Dec. 2009	Releases (January to December 2010)		
		Realignment/ Allotment	Cash/Non-Cash Support	Obligation
(7)	(8)	(9)	(10)	
<u>NIA PROJECTS</u>				
Foreign-Assisted Projects	402,655	-	-	402,655
Locally Funded Projects	70,915	-	-	70,915
Lump Sum	-	-	337,700	-
Carry-over Projects	286,843	8,500	-	295,343
Total for NIA PROJECTS	760,413	8,500	337,700	768,913
<u>INTER-AGENCY PROJECTS</u>	38,798	52,669	187,433	91,467
Total for IRRIGATION	799,211	61,169	525,133	860,380

Category	CY 2010 PROGRAM AND CARRY-OVER FUNDS			
	Approved Program/ Unobligated Balance/ Allotment/ Realignment	Releases (January to December 2010)		
		Total Available Allotment	Cash/ Non-Cash Support	Obligation
(11)=(3)+(7)+(8)	(12)=(4)+(7)+(8)	(13)=(5)+(9)	(14)=(6)+(10)	
<u>NIA PROJECTS</u>				
Foreign-Assisted Projects	4,546,979	4,526,979	-	3,590,353
Locally Funded Projects	10,886,901	10,351,901	1,328,164	9,897,473
Lump Sum	-	-	10,752,267	-
Carry-over Projects	295,343	295,343	-	295,343
Total for NIA PROJECTS	15,729,223	15,174,223	12,080,431	13,783,169
<u>INTER-AGENCY PROJECTS</u>	753,080	756,601	402,415	323,978
Total for IRRIGATION	16,482,303	15,930,824	12,482,846	14,107,147

Note : Unaudited Financial status as of December 31, 2010.

SUMMARY OF PHYSICAL STATUS

Key Indicator	CY 2010 PROGRAM		Carry-Over (Actual)	Total Actual
	Target	Actual		
New Area (ha)	12,989	3,140	3,463	6,603
Rehab Area (ha)	248,565	160,131	35,944	196,075
Res Area (ha)	66,862	31,799	19,530	51,329

TABLE NO. 2
SUMMARY OF PHYSICAL STATUS OF IRRIGATION PROJECTS
CY 2010 PROGRAM
As of December 31, 2010

Category	Irrigable Area (ha)	Area (ha)					Actual To Date
		Target	Actual (January to December 2010)				
			CY 2010	Carry-Over Program	Total		
I. NIA PROJECTS							
A. FOREIGN-ASSISTED PROJECTS							
1. ONGOING	N	25,701	2,710	-	-	-	80
	R	95,434	5,400	5,400	-	5,400	17,900
TOTAL (A)	N	25,701	2,710	-	-	-	80
	R	95,434	5,400	5,400	-	5,400	17,900
B. LOCALLY FUNDED PROJECTS							
1. ONGOING	N	38,124	7,888	1,927	261	2,188	12,969
	R	10,477	241,238	152,705	2,743	155,448	179,603
	Rest.	-	66,862	31,799	1,677	33,476	33,931
TOTAL (B)	N	38,124	7,888	1,927	261	2,188	12,969
	R	10,477	241,238	152,705	2,743	155,448	179,603
	Res	-	66,862	31,799	1,677	33,476	33,931
C. CARRY-OVER PROJECTS							
1. Foreign-Assisted Projects	N	12,083	-	-	3,010	3,010	7,915
	R	17,412	-	-	2,086	2,086	17,197
	Rest.	1,325	-	-	350	350	1,325
2. Locally-Funded Projects	N	5,015	-	-	-	-	88
	R	285	-	-	31,050	31,050	154,917
	Rest.	-	-	-	17,503	17,503	107,644
TOTAL (C)	N	17,098	-	-	3,010	3,010	8,003
	R	17,697	-	-	33,136	33,136	172,114
	Rest.	1,325	-	-	17,853	17,853	108,969
TOTAL FOR NIA PROJECTS (A, B & C)	N	80,923	10,598	1,927	3,271	5,198	21,052
	R	123,608	246,638	158,105	35,879	193,984	369,617
	Rest.	1,325	66,862	31,799	19,530	51,329	142,900
II. INTER-AGENCY PROJECTS							
	N	46,425	2,391	1,213	192	1,405	14,098
	R	79,926	1,927	2,026	65	2,091	24,570
TOTAL FOR IRRIGATION	N	127,348	12,989	3,140	3,463	6,603	35,150
	R	203,534	248,565	160,131	35,944	196,075	394,187
	Rest.	1,325	66,862	31,799	19,530	51,329	142,900

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 2010 PROGRAM
January 1 - December 31, 2010
(In Thousand Pesos)

Project	CY 2010 IRRIGATION PROGRAM				CARRY-OVER FUNDS				REGULAR CY 2010 PROGRAM & CARRY-OVER FUNDS				
	CY 2010 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2009	Realignment	Releases		Obligation	Total CY 2010 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)
I. NIA PROJECTS													
<i>FOREIGN-ASSISTED PROJECTS</i>	PC 2,073,345	2,053,345	-	1,714,860	303,734	-	-	-	303,734	2,377,079	2,357,079	-	2,018,594
	LP 2,070,979	2,070,979	-	1,472,838	98,921	-	-	-	98,921	2,169,900	2,169,900	-	1,571,759
	TP 4,144,324	4,124,324	-	3,187,698	402,655	-	-	-	402,655	4,546,979	4,526,979	-	3,590,353
<i>LOCALLY FUNDED PROJECTS</i>	PC 10,815,986	10,280,986	1,328,164	9,826,558	70,915	-	-	-	70,915	10,886,901	10,351,901	1,328,164	9,897,473
<i>CARRY-OVER PROJECTS</i>	PC -	-	-	-	134,491	-	8,500	-	142,991	142,991	142,991	-	142,991
	LP -	-	-	-	152,352	-	-	-	152,352	152,352	152,352	-	152,352
	TP -	-	-	-	286,843	-	8,500	-	295,343	295,343	295,343	-	295,343
<i>LUMPSUM RELEASES</i>	PC -	-	10,058,997	-	-	-	-	222,000	-	-	-	10,280,997	-
	LP -	-	355,570	-	-	-	-	115,700	-	-	-	471,270	-
	TP -	-	10,414,567	-	-	-	-	337,700	-	-	-	10,752,267	-
TOTAL FOR NIA PROJECTS	PC 12,889,331	12,334,331	11,387,161	11,541,418	509,140	-	8,500	222,000	517,640	13,406,971	12,851,971	11,609,161	12,059,058
	LP 2,070,979	2,070,979	355,570	1,472,838	251,273	-	-	115,700	251,273	2,322,252	2,322,252	471,270	1,724,111
	TP 14,960,310	14,405,310	11,742,731	13,014,256	760,413	-	8,500	337,700	768,913	15,729,223	15,174,223	12,080,431	13,783,169
II. INTER-AGENCY PROJECTS	PC 286,595	290,116	214,284	222,374	38,798	-	25,913	78,127	64,711	351,306	354,827	292,411	287,085
	LP 375,018	375,018	698	10,137	-	-	26,756	109,306	26,756	401,774	401,774	110,004	36,893
	TP 661,613	665,134	214,982	232,511	38,798	-	52,669	187,433	91,467	753,080	756,601	402,415	323,978
TOTAL FOR IRRIGATION	PC 13,175,926	12,624,447	11,601,445	11,763,792	547,938	-	34,413	300,127	582,351	13,758,277	13,206,798	11,901,572	12,346,143
	LP 2,445,997	2,445,997	356,268	1,482,975	251,273	-	26,756	225,006	278,029	2,724,026	2,724,026	581,274	1,761,004
	TP 15,621,923	15,070,444	11,957,713	13,246,767	799,211	-	61,169	525,133	860,380	16,482,303	15,930,824	12,482,846	14,107,147

NOTE:

CARRY-OVER PROGRAM includes balances from CY 2009 Regular Appropriations
Unaudited Financial as of December 31, 2010

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 2010, a total of ₱4.144 B was programmed for these projects. This amount is 27% of the total approved irrigation budget of ₱15.244 B for CY 2010.

As of the end of the CY 2010, total allotment released for these projects was ₱4.124 B. Obligations incurred amounted to ₱3.188 B.

Moreover, carry-over funds of ₱0.403 B which were unobligated from previous years allocation are being utilized and obligated during the year.

Hence, total available allotment amounted to ₱4.527 B. Total obligations incurred amounted to ₱3.590 B.

A lump sum amount of ₱10.752 B cash/non-cash was received to support the allotment releases for both foreign-assisted and locally-funded projects. This amount represents 71% of the total allotment of ₱15.174 B released to NIA.

Physical targets for these projects were the generation of 2,710 ha of new areas, the rehabilitation of 5,400 ha in existing irrigation systems. These targets represented 21% and 2% of the total target area of the agency for generation and rehabilitation for CY 2010, respectively.

As of December 31, 2010, these projects generated 80 ha new areas and rehabilitated 5,400 ha in existing irrigation systems. Thus the agency's accomplishments are 3% and 100% of the total target area for generation and rehabilitation, respectively, in foreign-assisted projects.

PROJECT DEVELOPMENT AND IMPLEMENTATION

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.

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, 8,091 ha of new areas will be generated and 35,284 ha will be rehabilitated benefiting about 217,960 farmers.

PIDP was allocated an amount of ₱1.19B under the approved CY 2010 GAA (Peso Counterpart —₱325.7M and Loan Proceeds – ₱864.8M).

PROJECT DEVELOPMENT AND IMPLEMENTATION

Expenditures as of December 31, 2010 (in thousand pesos)

Particulars	Total Estimated Cost	Advances from COB as of Dec. 2009	CY 2010		Actual To Date
			Program	Actual Obligation	
1. Irrigation Sector Restructuring and Reform	1,438,320	718,789	309,592	246,520	965,309
a. NIA Rationalization	1,116,000	718,789	185,900	167,766	886,555
Year 1 ^{1/}	718,793	718,789	-	-	718,789
Year 2	185,900	-	185,900	154,351	154,351
Year 3-5	211,307	-	-	13,415 ^{3/}	13,415
b. Institutional Strengthening/ Participatory Development	322,320	-	123,692	78,754	78,754
2. Infrastructure Development	3,070,045	15,905	674,577 ^{2/}	350,212	366,117
3. Project Management	216,440	1,180	17,023	4,969	6,149
4. Unallocated	378,719	-	35,403	-	-
5. Front-End Fee (0.25% of loan)	7,915	-	7,915	-	-
TOTAL	5,111,439	735,874	1,044,510	601,701	1,337,575

^{1/} - SARO from DBM

^{2/} - This excludes the amount of ₱146M realigned to ARIIP.

^{3/} - Obligations for affected personnel for Year 3 funded from Year 2 balances.

As of December 31, 2010, accomplishments were:

1. Irrigation Sector Restructuring and Reform

In the implementation of the NIA Rationalization Plan, a total of 1,582 personnel (1,269 for Y1, 292 for Y2 and 21 for Y3) were retired/separated from service and the corresponding incentives and terminal leaves amounted to ₱886.56 M.

Under the project's NIA Institutional Strengthening and Irrigation Management Transfer (IMT) Program, organizational development trainings, workshops, orientations and technical support activities were provided to both NIA staff and IA to capacitate and prepare them for IMT implementation. At the Central Office level, 32 trainings were conducted and were participated in by 1,186 participants; Regional Office Level, 98 trainings with 3,580

PROJECT DEVELOPMENT AND IMPLEMENTATION

participants; IMO/Systems Office level, 47 trainings with 1,578 participants; and, IA level, 127 trainings with 4,667 participants.

2. Infrastructure Development

Thirty-three (33) programs of work of Core B national irrigation systems were approved and allocations in the amount of ₱52.13 M for these were released. Conduct of biddings for these systems are ongoing.

Procurement of O&M, ICT and Training equipment are ongoing.

B. Locally-Funded NIA Projects

There were twenty-three locally-funded projects implemented during the year. Of the CY 2010 approved irrigation budget, 72% or ₱10.815 B is programmed for these projects. Correspondingly, allotment released was ₱10.280 B. Obligations incurred was ₱9.827 B. Physical target for the year was the generation of 7,888 ha of new areas, rehabilitation of 241,238 ha and restoration of 66,862 ha in existing systems or 61%, 97% and 100% of the total agency's targets for CY 2010 respectively.

As of the end of the year, these projects generated 2,188 ha new areas, rehabilitated 155,448 ha and restored 33,476 ha in existing systems. These included accomplishments from carry-over program (261 ha area generation, 2,743 ha area rehabilitation and 1,677 ha area restoration).

Total available allotment for these projects including carry-over funds from previous year's allocation amounted to ₱10.351 B. Obligations incurred amounted to ₱9.897 B.

C. Carry-over Projects

Seven carry-over projects from CY 2009 Program were also pursued. Three are foreign-assisted and four locally-funded projects. Total available allotment for these projects amounted to ₱0.295 B. Obligation incurred was ₱0.295 B. As of the end of the year, these projects generated 3,010 ha, rehabilitated 33,136 ha and restored 17,853 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 2010, the project targeted 2,391 ha of new area for generation and 1,927 ha for rehabilitation in 94 CIS/CIP.

Accomplishments as of the end of the year were the generation of 1,213 ha of new areas and rehabilitation of 2,026 ha.

During the period under review, thirty-five (35) CIP/CIS implemented under CARP Phase II were completed benefiting 2,886 farmer-beneficiaries.

Allocation for the year amounted to ₱282 M (₱251 M from CY 2010 Program and ₱31 M from carry-over fund balances). As of end of the year,

PROJECT DEVELOPMENT AND IMPLEMENTATION

total available allotment amounted to ₱286 M with corresponding cash support of ₱234 M was received. Obligation incurred amounted to ₱241 M.

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

The ARISP III was funded under the 27th 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, 2010, 76 ARC have been validated. Eighty-six irrigation projects in 45 provinces under 76 ARC were identified for possible funding under ARISP III. Of these projects, feasibility study (FS) on 60 projects were completed and 22 projects are ongoing, one project is for full implementation by LGU and three projects are deferred. Forty-eight

PROJECT DEVELOPMENT AND IMPLEMENTATION

projects were found to be feasible. Of these, detailed engineering on 14 projects were completed and 20 projects is ongoing. Eleven projects are ready for construction and three projects are subjected to POW concurrence. Overall accomplishment for pre-engineering activities was 62.04%.

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 2nd quarter of CY 2004. The project increased its coverage from 80 Agrarian Reform Communities (ARC) in 17 provinces to 123 ARC in 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 CY 2010, the construction of 26 subprojects were completed, with 2,429 ha of new area generated and 1,814 ha rehabilitated. Two subprojects with a target of 436 ha new area are under construction. Two 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 when completed will benefit 4,447 farmer beneficiaries.

PROJECT DEVELOPMENT AND IMPLEMENTATION

II. Project Preparation Activities

The agency pursued various project preparation activities. Allocation for this year's activities was ₱152.84 M (₱150 M from CY 2010 program and ₱2.84 M from carry-over fund balances) and obligation incurred was ₱106 M. The activities included:

Activities	Number of Projects		
	Completed	Ongoing	Total
1. Pre-feasibility study/ project identification	3	5 *	8
2. Feasibility Study	1	11	12
3. Detailed Design		6 *	6
4. Assistance to LGU and other projects:			
a. Packaging of projects for implementation and economic evaluation	5	12	17
b. Land and Water Resources	1	19	20
c. Pre-feasibility Study (Hydrological Aspect)	1	6	7
d. Geological Studies /Investigation	2	16 *	18
e. Survey and Mapping		7	7
5. Watershed Assessment and Management Planning of Proposed National Irrigation Projects	5	9	14

* One is deferred/On-hold

III. Status of Irrigation Development

As of December 31, 2010, the total service area developed was 1,542,668 ha or 49% of the estimated potential irrigable area of 3,126,340 ha. Of this area, 767,006 ha are under NIS, 558,333 ha in CIS and 217,329 ha in private irrigation systems (PIS). The remaining potential area to be developed is still 1,584,232 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

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

NIA operated and maintained 212 NIS nationwide with a total service area of 751,787 ha.

The programmed area for irrigation this crop year is 1,188,254 ha. As of the end of the year, irrigated area was 529,810 ha during the dry season (November 2009 to April 2010), 546,363 ha during the wet season (May 2010 to October 2010) and 26,221 ha for the third crop or a total of 1,102,394 ha which is 93% of the programmed area. The irrigated cropping intensity attained was 147 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 31, 2010, there were 87 IA were organized and 697 IA strengthened in NIS and CIS. One hundred forty-five IA were registered with the Securities and Exchange Commission.

A total of 261 IA contracted with NIA for the operation and maintenance of irrigation systems, while 233 IA renewed their contracts.

Basic Leadership Development and Financial Management & System Management Trainings were conducted in 20,735 irrigation beneficiaries. Orientation Training was conducted for 4,856 staff-members.

OPERATION AND MAINTENANCE ACTIVITIES

III. Equipment Management

The agency satisfactorily maintained in operating condition 212 units of equipment or 84% of the 5,343 units. This is composed of 22 heavy equipment, 143 light equipment, 42 other equipment and 5 special equipment. There are 3,159 units that are under Category A2 or operating intermittently and less reliable equipment and 664 units under Category A3 or non-operable equipment needing repair.

The 22 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, 1,308 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

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.

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.

NIA RATIONALIZATION PLAN

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 total estimated financial requirement for NIA RP is ₱1.584B for 2,887 estimated affected personnel.

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.

The Department of Budget and Management (DBM) released a subsidy in the amount of ₱718.79 million to cover the payment of incentives and terminal leaves of affected personnel in Year 1 (Y1). Payment of incentives and terminal leaves of affected employees under Y2 to Y5 shall be financed under the loan proceeds of the Participatory Irrigation Development Project (PIDP).

As of December 31, 2010, a total of 1,582 retirees (1,269 for Y1, 292 for Y2 and 21 for Y3) were paid an amount of ₱886.6 M out of the 2,887 affected personnel (1,267 for Y1, 249 for Y2, 284 for Y3, 145 for Y4 and 942 for Y5) who intended to avail the retirement package.

ANNEX

**CY 2010 IRRIGATION PROGRAM
(RA 9970)**

<i>Project / Location / Date Started / Target Completion Date</i>	<i>Financial Program (P1,000)</i>				<i>Physical Targets (ha)</i>			
	<i>CY 2010 Approved Capital Outlay</i>		<i>Realignment and 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. NIA PROJECTS								
A. FOREIGN-ASSISTED PROJECTS								
1. Help for Catubig Agricultural Advancement Project, Stage 1 Northern Samar April 2002 / December 2010	177,598	261,216	-	(90,000)	348,814	2,710	-	-
2. Participatory Irrigation Development Project - Phase I Nationwide 2009 - 2014	325,747	864,763	-	(146,000)	1,044,510	Pre-Engineering		
3. Agno River Integrated Irrigation Project Pangasinan 2006 - 2013	1,550,000	945,000	-	236,000	2,731,000	-	5,400	-
4. Malitbog-Maridagao Irrigation Project, Phase II Maguindanao & North Cotabato 2009 - 2015	10,000	-	-	-	10,000	Detailed Engineering		
5. Irrigation Systems Operation Efficiency Improvement Project Visayas and Mindanao 2010 - 2016	10,000	-	-	-	10,000	Detailed Engineering		
Total for Foreign-Assisted Projects	2,073,345	2,070,979	-	-	4,144,324	2,710	5,400	-
B. Locally Funded Projects								
1. Addalam River Irrigation Project Quirino and Isabela March 1997 / December 2010	82,688	-	-	-	82,688	2,150	-	-
2. Balog-Balog Multi Purpose Irrigation Project Tarlac January 1999 / December 2011	240,000	-	-	-	240,000	-	1,500	-
3. Small Reservoir Irrigation Project Nationwide January 1989 / December 2016	350,000	-	-	-	350,000	360	50	-
4. Malaig River IP Lanao del Sur 2008 - 2010	85,000	-	-	-	85,000	1,500	-	-
5. Libmanan-Cabusao Dam Project Camarines Sur 2008 - 2010	250,000	-	(171,833)	-	78,167	Dam Construction		

**CY 2010 IRRIGATION PROGRAM
(RA 9970)**

<i>Project / Location / Date Started / Target Completion Date</i>	<i>Financial Program (P1,000)</i>				<i>Physical Targets (ha)</i>			
	<i>CY 2010 Approved Capital Outlay</i>		<i>Realignment and 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>				
6. Sta. Josefa Pump Irrigation Project Agusan del Sur 2008 - 2010	159,915	-	-	-	159,915	2,790	-	-
7. Agricultural Productivity Improvement & Environmental Conservation in Lubang Island - IC, Mindoro Occidental 2009 - 2011	24,000	-	-	-	24,000	Pre-Engineering		
8. Feasibility Study & Detailed Eng'ng of Various Projects Nationwide	150,000	-	-	-	150,000	6-Projects for FS & 10-Projects for DE		
9. Construction/Repair/Rehabilitation of New and Existing NIS/CIS Nationwide	920,495	-	171,833	-	1,092,328		79,000	-
10. Repair/Rehab/Establishment of Groundwater Irrigation Proj. Nationwide	30,000	-	-	-	30,000	-	900	-
11. Balikatan Sagip Patubig Program Nationwide	150,000	-	-	-	150,000	-	2,500	-
12. Restoration/Rehab. of Existing NIA Assisted Irrigation System Nationwide	6,524,000	-	-	-	6,524,000	-	102,590	50,900
13. Irrigation Management Transfer Support Services Nationwide	28,964				28,964	IA Org. 300; IA Strength'g 3,120; IMT Trainings 900		
14. Repair, Operation and Maintenance of NIS Pump Irrigation Systems (MOOE)	70,000	-	-	-	70,000	Subsidy for 6 NIS-PIS		
15. Small Irrigation Project Nationwide	100,000	-	-	-	100,000	1,000	-	-
16. Samar Island Irrigation Development Project, Samar 2010 - 2011	90,000	-	-	-	90,000	88	-	-
17. Payment for ROW completion works & Claims of completed projects	60,000	-	-	-	60,000	Payment of ROW & unpaid claims		
18. Maayon Irrigation Project, Capiz 2010 - 2011	45,000	-	-	-	45,000	Detailed Engineering		
19. Modification of Malinao Dam, Bohol 2010 - 2013	45,000	-	-	-	45,000	Detailed Engineering		
20. Catarman Bobon Irrigation Project, Northern Samar 2010 - 2011	20,000	-	-	-	20,000	Detailed Engineering		
21. Bugko Irrigation Project, Northern Samar 2010-2011	20,000	-	-	-	20,000	Detailed Engineering		

**CY 2010 IRRIGATION PROGRAM
(RA 9970)**

<i>Project / Location / Date Started / Target Completion Date</i>	<i>Financial Program (P1,000)</i>				<i>Physical Targets (ha)</i>			
	<i>CY 2010 Approved Capital Outlay</i>		<i>Realignment and 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>				
22. Cura River Irrigation System Ilocos Norte	10,000	-	-	-	10,000	Construction activities		
23. Special Purpose Fund (Priority Development Assistance Fund - P3.0M and GMA-Rice -P20.0M)		-	32,760	-	32,760			
24. Resto./Rehab. of Existing NIA Assisted IS (NDC 6) Nationwide		-	1,328,164	-	1,328,164	-	54,698	15,962
Total for Locally Funded Projects	9,455,062	-	1,360,924	-	10,815,986	7,888	241,238	66,862
TOTAL FOR NIA PROJECTS	11,528,407	2,070,979	1,360,924	-	14,960,310	10,598	246,638	66,862
II. INTER-AGENCY PROJECTS								
1 Comprehensive Agrarian Reform Program Irrigation-Component (Phase I & II) a. Agrarian Reform Fund - Phase II Nationwide June 1999/December 2008	250,956	-	-	-	250,956	2,391	1,927	-
b. Agrarian Reform Infrastructure Support Project - Phase III Nationwide June 1999/December 2008	35,639	375,018	-	-	410,657	Pre-Engineering & Construction		
TOTAL FOR INTER-AGENCY PROJECTS	286,595	-	-	-	661,613	2,391	1,927	-
TOTAL FOR IRRIGATION	11,815,002	2,070,979	1,360,924	-	15,621,923	12,989	248,565	66,862

**PHYSICAL STATUS OF IRRIGATION PROJECTS
CY 2010 PROGRAM
As of December 31, 2010**

Project	Irrigable Area (ha)	Area (ha)					Overall Project Status (%)
		Target (Revised)	Actual (January to December 2010)			Actual To Date	
			CY 2010	Carry-Over Program	Total		
I. NIA PROJECTS							
A. FOREIGN-ASSISTED PROJECTS							
a) ONGOING							
1. HCAAP	N 4,550	2,710	-	-	-	80	67.34
2. PIDP Phase 1	N 8,091	-	-	-	-	-	21.82
	R 35,284	-	-	-	-	-	
3. ARIIP	R 34,450	5,400	5,400		5,400	17,900	53.53
4. MMIP Stage 2	N 8,760	Detailed Engineering					-
5. IOSEIP	N 4,300	Detailed Engineering					-
	R 25,700						
TOTAL (A)	N 25,701	2,710	-	-	-	80	
	R 95,434	5,400	5,400	-	5,400	17,900	
B. LOCALLY FUNDED PROJECTS							
a) ONGOING							
1. Addalam RIP	N 5,830	2,150	940	-	940	4,618	95.79
2. BBMP Phase I	N 2,220	-	-	-	-	205	85.82
	R 10,255	1,500	1,493	-	1,493	9,838	
3. SRIP	N 8,724	360	263	-	263	4,949	33.29
	R 222	50	51	-	51	7,775	
4. Malaig RIP	N 2,750	1,500	-	-	-	415	66.57
5. Libmanan-Cabusao Dam Project	N 4,000	Dam Construction					-
6. Sta. Josefa PIP	N 5,200	2,790	-	-	-	-	49.04
7. APIEC in Lubang Island-IC		Pre-Engineering					-
8. FSDE		6-Projects for FS & 10-Projects for DE					-
9. CRRNENIS/CIS	N		200	-	200	200	54.00
	R	79,000	13,549	1,216	14,765	21,663	
	Rest.		148	136	284	284	
10. RREGIP	N	-	386	154	540	592	49.00
	R	900	6	168	174	-	
	Rest.	-	4	43	47	212	
11. BSPP	N	-	43	107	150	167	55.00
	R	2,500	1,729	1,359	3,088	4,450	
	Rest.	-	216	1,498	1,714	2,004	
12. RRENIAAIS	R	102,590	98,183	-	98,183	98,183	64.86
	Rest.	50,900	25,803	-	25,803	25,803	
13. IMTSS		IA Org. 300; IA Strength'g 3,120; IMT Trainings 900					-
14. Repair, O&M of NIS PIS		Subsidy for 6 NIS-PIS					-
15. Small Irrigation Project	N	1,000	95		95	95	37.00
	R		320		320	320	
	Rest.		387		387	387	
16. Samar Island IDP	N	88			-	-	-
17. Payment for ROW, completion works & Claims of Completed Projects	N	1,728	Payment of ROW & unpaid claims			1,728	98.13
18. Maayon IP	N	780	Detailed Engineering				-
19. Modification of Malinao Dam		Detailed Engineering					-
20. Catarman Bobon IP	N	1,800	Detailed Engineering				-

**PHYSICAL STATUS OF IRRIGATION PROJECTS
CY 2010 PROGRAM
As of December 31, 2010**

Project	Irrigable Area (ha)	Area (ha)					Overall Project Status (%)
		Target (Revised)	Actual (January to December 2010)			Actual To Date	
			CY 2010	Carry-Over Program	Total		
21. Bugko IP	N 5,092	Detailed Engineering					-
22. Cura RIS		Construction activities					-
23. RRENIAAIS (NDC 6)	R 54,698 Rest. 15,962	54,698 15,962	37,374 5,241	- -	37,374 5,241	37,374 5,241	86.54
TOTAL (B)	N 38,124 R 10,477 Rest. -	7,888 241,238 66,862	1,927 152,705 31,799	261 2,743 1,677	2,188 155,448 33,476	12,969 179,603 33,931	
C. CARRY-OVER PROJECTS							
a) FOREIGN-ASSISTED PROJECTS							
1. SPISP	N 5,771 R 6,208	- -	- -	1,310 2,086	1,310 2,086	4,615 5,993	97.31
2. BRIS RIP *	R 11,204 Rest. 1,325	- -	- -	- 350	- 350	11,204 1,325	100.00
3. BPIP	N 6,312	-	-	1,700	1,700	3,300	94.84
SUBTOTAL (a)	N 12,083 R 17,412 Rest. 1,325	- - -	- - -	3,010 2,086 350	3,010 2,086 350	7,915 17,197 1,325	
b) LOCALLY FUNDED PROJECTS							
1. RRENIAAIS (P6.0 B)	R Rest.	- -	- -	28,438 14,709	28,438 14,709	87,329 73,030	97.10
2. RRENIAAIS (NDC 5)	R Rest.	- -	- -	2,612 2,794	2,612 2,794	67,588 34,614	98.54
3. Balingasag IP	N 2,215 R 285	- -	- -	- -	- -	- -	48.42
4. Talakag IP	N 2,800	-	-	-	-	88	55.60
SUBTOTAL (b)	N 5,015 R 285 Rest. -	- - -	- - -	- 31,050 17,503	- 31,050 17,503	88 154,917 107,644	
TOTAL (C)	N 17,098 R 17,697 Rest. 1,325	- - -	- - -	3,010 33,136 17,853	3,010 33,136 17,853	8,003 172,114 108,969	
TOTAL (A, B & C)	N 80,923 R 123,608 Rest. 1,325	10,598 246,638 66,862	1,927 158,105 31,799	3,271 35,879 19,530	5,198 193,984 51,329	21,052 369,617 142,900	
II. INTER-AGENCY PROJECTS							
CARP-IC							
a) ONGOING							
1. ARF II	N 34,428 R 65,399	2,391 1,927	1,213 2,026	- -	1,213 2,026	13,537 23,279	90.34
2. ARISP III	N 9,132 R 12,713	Pre-Engineering & Construction					62.04
b) CARRY-OVER PROJECTS							
1. ARCDP II	N 2,865 R 1,814	- -	- -	192 65	192 65	561 1,291	97.87
TOTAL FOR INTER-AGENCY PROJECTS	N 46,425 R 79,926	2,391 1,927	1,213 2,026	192 65	1,405 2,091	14,098 24,570	
TOTAL FOR IRRIGATION	N 127,348 R 203,534 Rest. 1,325	12,989 248,565 66,862	3,140 160,131 31,799	3,463 35,944 19,530	6,603 196,075 51,329	35,150 394,187 142,900	

NOTE:

- * - Accomplishment corrected as per Project Completion Report
- N - New Area, in hectares
- R - Rehab Area, in hectares
- Rest - Restoration/Restored Area, in hectares

FINANCIAL STATUS OF IRRIGATION PROJECTS
CY 2010 PROGRAM
January 1 - December 31, 2010
(In Thousand Pesos)

Project	CY 2010 IRRIGATION PROGRAM				CARRY-OVER FUNDS					REGULAR CY 2010 PROGRAM & CARRY-OVER FUNDS			
	CY 2010 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2009	Realignment	Releases		Obligation	Total CY 2010 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)
I. NIA PROJECTS													
A. FOREIGN-ASSISTED PROJECTS													
a) ONGOING													
1. HCAAP	PC 177,598	177,598	-	45,099	81,434	-	-	-	81,434	259,032	259,032	-	126,533
	LP 171,216	171,216	-	29,523	98,921	-	-	-	98,921	270,137	270,137	-	128,444
	TP 348,814	348,814	-	74,622	180,355	-	-	-	180,355	529,169	529,169	-	254,977
2. PIDP Phase 1	PC 325,747	325,747	-	120,050	-	-	-	-	325,747	325,747	325,747	-	120,050
	LP 718,763	718,763	-	262,315	-	-	-	-	718,763	718,763	718,763	-	262,315
	TP 1,044,510	1,044,510	-	382,365	-	-	-	-	1,044,510	1,044,510	1,044,510	-	382,365
3. ARIIP	PC 1,550,000	1,550,000	-	1,549,711	222,300	-	-	-	222,300	1,772,300	1,772,300	-	1,772,011
	LP 1,181,000	1,181,000	-	1,181,000	-	-	-	-	-	1,181,000	1,181,000	-	1,181,000
	TP 2,731,000	2,731,000	-	2,730,711	222,300	-	-	-	222,300	2,953,300	2,953,300	-	2,953,011
4. MMIP Stage 2	PC 10,000	-	-	-	-	-	-	-	-	10,000	-	-	-
	LP -	-	-	-	-	-	-	-	-	-	-	-	-
	TP 10,000	-	-	-	-	-	-	-	-	10,000	-	-	-
5. IOSEIP	PC 10,000	-	-	-	-	-	-	-	-	10,000	-	-	-
	LP -	-	-	-	-	-	-	-	-	-	-	-	-
	TP 10,000	-	-	-	-	-	-	-	-	10,000	-	-	-
TOTAL (A)	PC 2,073,345	2,053,345	-	1,714,860	303,734	-	-	-	303,734	2,377,079	2,357,079	-	2,018,594
	LP 2,070,979	2,070,979	-	1,472,838	98,921	-	-	-	98,921	2,169,900	2,169,900	-	1,571,759
	TP 4,144,324	4,124,324	-	3,187,698	402,655	-	-	-	402,655	4,546,979	4,526,979	-	3,590,353
B. LOCALLY FUNDED PROJECTS													
a) ONGOING													
1. Addalam River IP	PC 82,688	82,688	-	82,688	-	-	-	-	-	82,688	82,688	-	82,688
2. BBMP	PC 240,000	240,000	-	226,657	3,265	-	-	-	3,265	243,265	243,265	-	229,922
3. SRIP	PC 350,000	350,000	-	249,463	51,016	-	-	-	51,016	401,016	401,016	-	300,479
4. Malaig RIP	PC 85,000	85,000	-	85,000	-	-	-	-	-	85,000	85,000	-	85,000
5. Libmanan-Cabusao Dam	PC 250,000	78,167	-	10,310	-	-	-	-	-	250,000	78,167	-	10,310
6. Sta. Josefa PIP	PC 159,915	159,915	-	98,972	63	-	-	-	63	159,978	159,978	-	99,035
7. APIEC in Lubang Island-IC	PC 24,000	24,000	-	1,300	2,178	-	-	-	2,178	26,178	26,178	-	3,478
8. FSDE	PC 150,000	150,000	-	103,165	2,840	-	-	-	2,840	152,840	152,840	-	106,005
9. CRRNENIS/CIS	PC 920,495	567,328	-	566,548	687	-	-	-	687	921,182	568,015	-	567,235
10. RREGIP	PC 30,000	30,000	-	26,717	7,838	-	-	-	7,838	37,838	37,838	-	34,555
11. BSPP	PC 150,000	150,000	-	145,102	149	-	-	-	149	150,149	150,149	-	145,251
12. RRENIAAIS	PC 6,524,000	6,524,000	-	6,458,538	-	-	-	-	-	6,524,000	6,524,000	-	6,458,538
13. IMTSS	PC 28,964	28,964	-	28,220	974	-	-	-	974	29,938	29,938	-	29,194
14. Repair, O&M of NIS PIS	PC 70,000	70,000	-	70,000	1,905	-	-	-	1,905	71,905	71,905	-	71,905
15. Small Irrigation Project	PC 100,000	100,000	-	99,608	-	-	-	-	-	100,000	100,000	-	99,608
16. Samar Island IDP	PC 90,000	90,000	-	89,686	-	-	-	-	-	90,000	90,000	-	89,686
17. Payment for ROW, completion works & Claims of Completed Projects	PC 60,000	60,000	-	60,000	-	-	-	-	-	60,000	60,000	-	60,000
18. Maayon IP	PC 45,000	45,000	-	44,956	-	-	-	-	-	45,000	45,000	-	44,956

FINANCIAL STATUS OF IRRIGATION PROJECTS
CY 2010 PROGRAM
January 1 - December 31, 2010
(In Thousand Pesos)

Project	CY 2010 IRRIGATION PROGRAM				CARRY-OVER FUNDS					REGULAR CY 2010 PROGRAM & CARRY-OVER FUNDS			
	CY 2010 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2009	Realignment	Releases		Obligation	Total CY 2010 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)
19. Modification of Malinao Dam	PC	45,000	45,000	-	-	-	-	-	-	45,000	45,000	-	-
20. Catarman Bobon IP	PC	20,000	20,000	-	19,908	-	-	-	-	20,000	20,000	-	19,908
21. Bugko IP	PC	20,000	20,000	-	19,908	-	-	-	-	20,000	20,000	-	19,908
22. Cura RIS	PC	10,000	-	-	-	-	-	-	-	10,000	-	-	-
23. Special Purpose Fund	PC	32,760	32,760	-	23,258	-	-	-	-	32,760	32,760	-	23,258
24. RRENIAAIS (NDC 6)	PC	1,328,164	1,328,164	1,328,164	1,316,554	-	-	-	-	1,328,164	1,328,164	1,328,164	1,316,554
TOTAL (B)	PC	10,815,986	10,280,986	1,328,164	9,826,558	70,915	-	-	70,915	10,886,901	10,351,901	1,328,164	9,897,473
TOTAL (A & B)	PC	12,889,331	12,334,331	1,328,164	11,541,418	374,649	-	-	374,649	13,263,980	12,708,980	1,328,164	11,916,067
	LP	2,070,979	2,070,979	-	1,472,838	98,921	-	-	98,921	2,169,900	2,169,900	-	1,571,759
	TP	14,960,310	14,405,310	1,328,164	13,014,256	473,570	-	-	473,570	15,433,880	14,878,880	1,328,164	13,487,826
C. CARRY-OVER PROJECTS													
a) Foreign-Assisted Projects													
1. SPISP	PC	-	-	-	20,747	-	-	-	20,747	20,747	20,747	-	20,747
	LP	-	-	-	63,152	-	-	-	63,152	63,152	63,152	-	63,152
	TP	-	-	-	83,899	-	-	-	83,899	83,899	83,899	-	83,899
2. BRISIP	PC	-	-	-	1,208	-	-	-	1,208	1,208	1,208	-	1,208
	LP	-	-	-	89,200	-	-	-	89,200	89,200	89,200	-	89,200
	TP	-	-	-	90,408	-	-	-	90,408	90,408	90,408	-	90,408
TOTAL (a)	PC	-	-	-	21,955	-	-	-	21,955	21,955	21,955	-	21,955
	LP	-	-	-	152,352	-	-	-	152,352	152,352	152,352	-	152,352
	TP	-	-	-	174,307	-	-	-	174,307	174,307	174,307	-	174,307
b) Locally-Funded Projects													
1. RRENIAAIS	PC	-	-	-	7,411	-	-	-	7,411	7,411	7,411	-	7,411
3. Dolores IP	PC	-	-	-	418	-	-	-	418	418	418	-	418
4. Basey IP	PC	-	-	-	1,574	-	-	-	1,574	1,574	1,574	-	1,574
5. Along Along IP	PC	-	-	-	95,000	-	-	-	95,000	95,000	95,000	-	95,000
6. Special Purpose Funds	PC	-	-	-	8,133	-	8,500	-	16,633	16,633	16,633	-	16,633
TOTAL (b)	PC	-	-	-	112,536	-	8,500	-	121,036	121,036	121,036	-	121,036
TOTAL (C)	PC	-	-	-	134,491	-	8,500	-	142,991	142,991	142,991	-	142,991
	LP	-	-	-	152,352	-	-	-	152,352	152,352	152,352	-	152,352
	TP	-	-	-	286,843	-	8,500	-	295,343	295,343	295,343	-	295,343
D. LUMPSUM ALLOTMENT/ NCA/ OBLIGATION													
	PC	-	-	10,058,997	-	-	-	222,000	-	-	-	10,280,997	-
	LP	-	-	355,570	-	-	-	115,700	-	-	-	471,270	-
	TP	-	-	10,414,567	-	-	-	337,700	-	-	-	10,752,267	-
TOTAL FOR NIA PROJECTS	PC	12,889,331	12,334,331	11,387,161	11,541,418	509,140	-	8,500	517,640	13,406,971	12,851,971	11,609,161	12,059,058
	LP	2,070,979	2,070,979	355,570	1,472,838	251,273	-	115,700	251,273	2,322,252	2,322,252	471,270	1,724,111
	TP	14,960,310	14,405,310	11,742,731	13,014,256	760,413	-	8,500	768,913	15,729,223	15,174,223	12,080,431	13,783,169

FINANCIAL STATUS OF IRRIGATION PROJECTS
CY 2010 PROGRAM
 January 1 - December 31, 2010
 (In Thousand Pesos)

Project	CY 2010 IRRIGATION PROGRAM				CARRY-OVER FUNDS					REGULAR CY 2010 PROGRAM & CARRY-OVER FUNDS			
	CY 2010 PROGRAM	Releases		Obligation	Unobligated Balance as of Dec. 2009	Realignment	Releases		Obligation	Total CY 2010 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)
II. INTER-AGENCY PROJECTS													
A. CARP-IC													
a) ONGOING													
1. ARF Phase II	PC 250,956	254,477	181,744	209,620	31,044	-	-	52,214	31,044	282,000	285,521	233,958	240,664
2. ARISP III	PC 35,639	35,639	32,540	12,754	7,754	-	-	-	7,754	43,393	43,393	32,540	20,508
	LP 375,018	375,018	698	10,137	-	-	-	-	-	375,018	375,018	698	10,137
	TP 410,657	410,657	33,238	22,891	7,754	-	-	-	7,754	418,411	418,411	33,238	30,645
b) CARRY-OVER PROJECTS													
1. ARCDP II	PC -	-	-	-	-	-	25,913	25,913	25,913	25,913	25,913	25,913	25,913
	LP -	-	-	-	-	-	26,756	109,306	26,756	26,756	26,756	109,306	26,756
	TP -	-	-	-	-	-	52,669	135,219	52,669	52,669	52,669	135,219	52,669
TOTAL FOR INTER-AGENCY PROJECTS (II)	PC 286,595	290,116	214,284	222,374	38,798	-	25,913	78,127	64,711	351,306	354,827	292,411	287,085
	LP 375,018	375,018	698	10,137	-	-	26,756	109,306	26,756	401,774	401,774	110,004	36,893
	TP 661,613	665,134	214,982	232,511	38,798	-	52,669	187,433	91,467	753,080	756,601	402,415	323,978
TOTAL FOR IRRIGATION	PC 13,175,926	12,624,447	11,601,445	11,763,792	547,938	-	34,413	300,127	582,351	13,758,277	13,206,798	11,901,572	12,346,143
	LP 2,445,997	2,445,997	356,268	1,482,975	251,273	-	26,756	225,006	278,029	2,724,026	2,724,026	581,274	1,761,004
	TP 15,621,923	15,070,444	11,957,713	13,246,767	799,211	-	61,169	525,133	860,380	16,482,303	15,930,824	12,482,846	14,107,147

NOTE: CARRY-OVER PROGRAM includes balances from CY 2009 Regular Appropriations
 Unaudited financial report as of December 31, 2010

PC - Peso Counterpart

LP - Loan Proceeds

TP - Total in Pesos

PROJECT PREPARATION ACTIVITIES

January 1 - December 31, 2010

Name of Project	Region	Location	Overall Status (%)
A. Pre-Feasibility/Project Identification			
1. Loboc River and Abstan River	7	Bohol	Completed
2. Progreso Weste CIP	4	Romblon	Completed
3. Cabano Reservoir IP	6	Guimaras	Completed
4. Tinaplan SRIP	6	Iloilo	On-hold
5. Cabangan SRIP	3	Zambales	Ongoing
6. Rio-Chico RIP	CAR	Kalinga	Ongoing
7. Maringalo Impounding Project	3	Nueva Ecija	Ongoing
8. Balbalungao SRIP	3	Nueva Ecija	Ongoing
B. Feasibility Study			
1. Balog-Balog (FS updating)	3	Tarlac	Completed
2. Bugko IP	8	Samar	Ongoing
3. Gregorio del Pilar IP	1	Ilocos Sur	Ongoing
4. Bislig City Integrated Dev't. Project - IC	13	Surigao del Sur	Ongoing
5. Tawit RIP	CAR	Apayao	Ongoing
6. Dapdap SRIP	8	Eastern Samar	Ongoing
7. CMIPP-IC Phase (PCR)	3	Bulacan & Nueva Ecija	Ongoing
8. Highland Agno River Basin IP	CAR	Benguet	Ongoing
9. Paculago SRIP	2	Isabela	Ongoing
10. Sulvec SRIP	1	Ilocos Norte	Ongoing
11. Asbang SRIP (Reformulation)	11	Davao del Sur	Ongoing
12. Balintong Reservoir MPP (Environmental Study)	3	Bulacan & Nueva Ecija	Ongoing
C. Detailed Design			
1. Dibuluan RIP	2	Isabela	Ongoing
2. Bongabong IP	4	Oriental Mindoro	Ongoing
3. Tineg RIP	CAR	Abra	Deferred
4. Chico River Pump Irrigation Project	CAR	Kalinga	Ongoing
5. Calbiga	8	Western Samar	Ongoing
6. Barbar SRIP	1	Ilocos Sur	Ongoing
D. Assistance to LGU & Other Projects			
a. Packaging of Projects for Implementation and Economic Evaluation			
1. Improvement of Malinao Dam	7	Bohol	Completed
2. Malitubog-Maridagao IP II	ARMM & 12		Completed
3. Provide updates in Economic Evaluation	Nationwide		Completed
4. Bago River Irrigation System	13	Negros Occidental	Completed
5. SPISP Sub-project (PCR)	1,4,5,10,11,12 & 13	Varios National Irrigation Systems	Completed
6. NIS RIP	6 & 11	Varios National Irrigation Systems	Ongoing
7. Irrigation System Operation Efficiency Improvement Project	ARMM & 12		Ongoing
8. Malitubog-Maridagao IP II Climate Changes Vulnerability	6	Iloilo	Ongoing
9. Jalaur MPIP	CAR	Apayao	Ongoing
10. Kitcharao SRIP	8	Leyte	Ongoing
11. Hibulungan SRIP	3	Tarlac	Ongoing
12. Balog-Balog	7	Bohol	Ongoing
13. Bohol II - Malinao Dam	1	Ilocos Norte	Ongoing
14. Sulvec SRIP	11	Davao del Sur	Ongoing
15. Asbang SRIP	11	Davao del Sur	Ongoing
16. SPISP Sub-project	11	Negros Oriental	Ongoing
17. PIDP Sub-project	Nationwide		Ongoing
b. Land and Water Resources			
1. Magballo-Balicotoc-Canlamay Integrated IP	10	Misamis Occidental	Continuing Activity
2. Mini-hydro Power Plant - Barit RIS (Review of MOA)	5	Camarines Sur	Completed
3. Review of Feasibility Reports			
a. Balbalungao RIP	3	Nueva Ecija	Comments submitted
b. Managok SRIP	10	Bukidnon	Comments submitted
c. Balog-Balog MPP Phase II	3	Tarlac	Comments submitted
d. Jalaur Multi-purpose Project II	6	Iloilo	Comments submitted
e. Asbang SRIP	11	Davao del Sur	Results submitted
f. Barbar SRIP	1	Ilocos Sur	Results submitted
g. Sulvec SRIP	1	Ilocos Norte	Ongoing
h. San Felipe SRIP	1	La Union	Comments submitted
i. Ibato-Iraan SRIP	4	Palawan	Comments submitted
j. Progreso Weste	4	Romblon	Ongoing
k. Hibulungan SRIP (Reformulation)	8	Northern Leyte	
j. Inventory of Rivers and Creeks/Streams (SIOEIP)	6	Varios Systems	Ongoing

PROJECT PREPARATION ACTIVITIES

January 1 - December 31, 2010

<i>Name of Project</i>	<i>Region</i>	<i>Location</i>	<i>Overall Status (%)</i>
4. Others			
a. Evaluation of proposal to use irrigation water of Barit Irrigation System	5	Camarines Sur	Ongoing
b. Converting of reports to PDF			Ongoing
c. Stream Flow Data Checking, Processing and encoding		Nationwide	Ongoing
d. Magballo-Balicoto-Canlamay Integrated Irrigation Hydrometeorological data	10	Misamis Occidental	Continuing Activity
e. Dauin SPISP hydrological condition	7	Negros Oriental	Continuing Activity
f. PIDP - Hydrological Assessment and data analysis (Agronomy Aspect)	Nationwide		Ongoing
c. Pre - Feasibility Study (Hydrology Aspect)			
1. Cabano SRIP	6	Guimaras Is.	Completed
2. Progreso Weste	3	Nueva Ecija	Submitted
3. Maringalo SRIP	3	Nueva Ecija	underway
4. Balbulugao SRIP	3	Nueva Ecija	underway
5. Maangol SRIP	3	Nueva Ecija	underway
6. Kabulinawan SRIP	3	Nueva Ecija	underway
7. Taguibo RIP (Resistivity Survey)	13	Agusan del Norte	Submitted
c. Geology - Special Projects (Geological Investigation)			
1. Gregorio del Pilar	1	Ilocos Sur	Ongoing
2. Sulvec SRIP	1	Ilocos Norte	Continuing Activity
3. Passa SRIP	1	Isabela	NIA Consult
4. Asbang SRIP	11	Davao del Sur	add'l detailed investigation
5. Masidem SRIP	1	Pangasinan	Ongoing Construction
6. Kitcharao SRIP	13	Agusan del Norte	add'l detailed investigation
7. Binalawan IP	7	Negros Oriental	Ongoing
8. Managok	10	Bukidnon	100
9. Libmanan-Cabusao	5	Camarines Sur	Deferred
10. Barbar SRIP	1	Ilocos Sur	100
11. San Angel SRIP	1	Pangasinan	Ongoing Construction
12. Tangub SRIP	10	Misamis Occidental	Ongoing Construction
13. Maringalao Dam Project	3	Nueva Ecija	Ongoing
14. Balbalugao SRIP	3	Nueva Ecija	Ongoing
15. HCAAP	8	Northern Samar	Continuing Activity
16. Cabano SRIP	6	Guimaras	Ongoing
17. 7 Proposed SRIP Project	Nationwide		Monitoring
18. Irrigation Engineering Center	Nationwide		Continuing Activity
e. Survey & Mapping			
1. Bugko IP	8	Samar	Ongoing
2. Bongabong IP	4	Occidental Mindoro	Ongoing
3. Highland Agno River Basin IP	CAR	Mt Province	Ongoing
4. Del Pilar	1	Ilocos Sur	Ongoing
5. Various NIA Housing Project		Nationwide	Ongoing
6. Sulvec SRIP	1	Ilocos Norte	Ongoing
7. Bani SRIP			Ongoing
E. Watershed Assessment & Management Planning of Proposed NIPs			
1. Watershed & Envi. Study of Upper Agno River Basin	1	Pangasinan	Completed
2. Balog-Balog MP	3	Tarlac	Completed
3. Preparation of TOR for the conduct of EIA Study			Completed
4. NIS RIP	1, 6 & 11		Completed
5. Irrigation System Operation Efficiency Improvement Proj.	6 & 11		Completed
6. SPISP			Ongoing
7. Balintongan MP	3	Bulacan & Nueva Ecija	Ongoing
8. Participatory Irrigation & Development Project		Nationwide	Ongoing
9. Updating of Critical NISs Watersheds	All Regions	Nationwide	Continuing Activity
10. Mapping of Irrigation Development using GIS	All Regions	Nationwide	Continuing Activity
11. NIA-NPC Joint Watershed Mgt of Pantabangan and Magat Watershed under LOI 1002 (NIA-NPC MOA)			Continuing Activity
12. Formulation of Integrated River Basin Mgt. for Cebu and Cagayan River Basins			Ongoing
13. Review/Evaluates reports regarding Environmental & social aspect of NIA IS			Continuing Activity
14. Representation to Inter-Agency Committees			Continuing Activity

STATUS OF IRRIGATION DEVELOPMENT

As of December 31, 2010

(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	35,486	22,912	81,020	81	18,630
1	277,180	57,567	96,722	27,329	181,618	66	95,562
2	472,640	142,674	42,088	23,095	207,857	44	264,783
3	498,860	202,897	78,228	20,555	301,680	60	197,180
4	246,960	53,146	53,246	17,962	124,354	50	122,606
5	239,660	22,573	68,554	29,484	120,611	50	119,049
6	197,250	52,216	20,433	5,499	78,148	40	119,102
7	50,740	10,040	22,651	2,539	35,230	69	15,510
8	84,380	19,144	30,158	4,466	53,768	64	30,612
9	76,080	15,162	19,760	1,972	36,894	48	39,186
10	120,700	26,419	24,053	14,764	65,236	54	55,464
11	149,610	33,971	15,639	25,915	75,525	50	74,085
12	293,610	62,736	22,471	17,296	102,503	35	191,107
ARMM	156,720	16,520	7,125	225	23,870	15	133,410
CARAGA	162,300	29,319	21,719	3,316	54,354	33	107,946
TOTAL	3,126,340	767,006	558,333	217,329	1,542,668	49	1,584,232

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 2009-2010
As of December 31, 2010

REGION	NO. OF NIS	SERVICE AREA (at the beginning of the year)	IRRIGATED AREA (ha)									IRRIGATED CROPPING INTENSITY (%)
			WET SEASON			DRY SEASON			THIRD CROP			
			PROGRAM	ACTUAL	%	PROGRAM	ACTUAL	%	PROGRAM	ACTUAL	%	
CAR	3	22,622	16,184	15,106	93.34	15,772	15,008	95.16	30	30	100.00	133
1	25	55,967	34,847	32,785	94.08	26,844	25,131	93.62	682	134	19.65	104
2	21	142,141	117,166	110,386	94.21	121,861	116,593	95.68	-	-	-	160
3	23	193,472	147,341	142,545	96.74	150,996	147,954	97.99	29,496	22,286	75.56	162
4	45	53,146	31,273	29,381	93.95	24,677	24,626	99.79	100	-	-	102
5	18	22,573	18,257	16,719	91.58	17,692	16,435	66.74	2,300	-	-	147
6	12	52,216	43,396	38,985	89.84	34,672	29,668	85.57	5,874	1,240	21.11	134
7	3	10,040	6,600	6,234	94.45	6,550	6,586	100.55	-	-	-	128
8	17	19,144	16,324	16,192	99.19	16,571	15,528	93.71	-	-	-	166
9	4	15,162	13,286	13,286	100.00	12,780	12,807	100.21	-	-	-	172
10	6	26,411	19,243	19,116	99.34	19,280	19,132	99.23	3,770	2,531	67.14	154
11	9	33,971	29,829	29,766	99.79	29,726	28,872	97.13	10,887	-	-	173
12	13	59,498	50,376	50,129	99.51	48,355	46,795	96.77	5,748	-	-	163
13	8	29,319	17,747	16,997	95.77	18,319	16,797	91.69	-	-	-	115
ARMM	5	16,105	12,725	8,736	68.65	10,678	7,878	73.78	-	-	-	103
TOTAL	212	751,787	574,594	546,363	95.09	554,773	529,810	95.50	58,887	26,221	44.53	147

Dry Season - November 2009 to April 2010

Wet Season - May 2010 to October 2010

Some parts of Regions have inverted cropping season

IRRIGATORS' ASSOCIATION ORGANIZATION, TRAINING AND DEVELOPMENT
NATIONAL AND COMMUNAL IRRIGATION SYSTEMS/PROJECTS
January 1 - December 31, 2010

<i>PARTICULARS</i>	<i>CY 2010 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>	
I. <u>IA Organization</u>							
a. Number of IA Organized	56	34	90	53	34	87	96.67
Area Covered, ha	12,207	2,834	15,041	11,475	2,834	14,309	95.13
Number of Farmers	14,943	2,291	17,234	13,448	2,291	15,739	91.33
b. IA Strengthening							
Number of IA	527	185	712	495	202	697	97.89
Area Covered, ha	113,777	27,599	141,376	107,523	28,129	135,652	95.95
Number of Farmers	107,549	19,726	127,275	101,096	19,726	120,822	94.93
c. Number of IA Registered w/ SEC	102	47	149	98	47	145	97.32
Area Covered, ha	18,294	4,601	22,895	17,928	4,601	22,529	98.40
Number of Farmers	20,138	4,465	24,603	19,735	4,465	24,200	98.36
II. <u>Memorandum of Agreement Signed</u>							
a. New							
Number of IA	241	56	297	205	56	261	87.88
Area Covered, ha	50,103	9,234	59,337	44,098	9,234	53,332	89.88
Number of Farmers	39,767	6,533	46,300	35,102	6,533	41,635	89.92
b. Renewal							
Number of IA	249	-	249	233	-	233	93.57
Area Covered, ha	114,066	-	114,066	106,081	-	106,081	93.00
Number of Farmers	90,587	-	90,587	86,928	-	86,928	95.96
III. <u>Trainings/Workshop</u>							
a. IA-Training (Participants)	22,033	3,739	25,772	18,729	2,006	20,735	80.46
b. Staff Training, Orientation Workshop (Participants)			5,278			4,856	92.00

STATUS OF NIA EQUIPMENT
As of December 31, 2010

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	-	18	18	7	23	94	23	38	-	35	10	24	-	11	2	5	43	178	69	18	308	50	84	78	85	77
2	5	30	13	11	36	170	31	19	-	47	18	29	-	6	-	3	59	256	94	9	418	73	87	72	100	83
3	-	29	9	3	2	303	11	23	-	66	5	18	-	8	-	3	41	339	89	11	480	76	97	93	100	94
4	2	33	10	9	-	175	17	45	-	16	10	27	-	4	-	-	54	237	53	4	348	78	91	62	-	86
5	-	16	3	12	-	92	3	49	-	26	3	54	-	7	-	1	31	144	83	8	266	84	97	90	100	94
6	1	36	22	40	32	126	36	140	-	112	31	80	-	22	2	16	99	334	223	40	696	63	81	78	92	78
7	3	22	10	11	7	115	22	37	-	39	26	21	-	-	-	-	46	181	86	-	313	71	85	60	-	76
8	6	22	9	7	15	84	9	19	13	42	4	10	-	2	-	3	44	127	69	5	245	76	92	93	100	89
9	-	5	8	5	1	16	9	28	-	7	10	27	-	-	1	-	18	54	44	1	117	38	65	41	-	51
10	-	37	17	58	-	25	6	35	-	7	7	10	-	-	-	-	112	66	24	-	202	69	81	50	-	70
11	-	30	6	-	7	127	20	9	2	36	4	6	-	7	-	-	36	163	48	7	254	83	87	90	100	87
12	2	45	29	40	-	223	26	163	2	57	22	72	-	3	-	1	116	412	153	4	685	62	90	73	100	81
13	1	80	12	1	-	160	38	3	-	79	17	25	-	1	-	5	94	201	121	6	422	87	81	82	100	83
MRIIS	-	26	6	8	10	95	19	13	8	41	4	10	-	14	3	3	40	137	63	20	260	81	85	92	82	86
UPRIIS	2	14	5	-	10	112	11	4	17	22	2	5	5	-	-	-	21	137	46	5	209	76	92	95	100	91
CAR	-	2	7	1	-	47	14	10	-	32	4	1	-	1	-	1	10	71	37	2	120	22	77	89	100	77
TOTAL	22	445	184	213	143	1,964	295	635	42	664	177	419	5	86	8	41	864	3,037	1,302	140	5,343	72	88	80	92	84

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

$$\text{Overall \% Operability} = \frac{A1+A2}{A1+A2+A3}$$