



Form MP-6 Description Guidelines for Maintenance, Rehabilitation and Improvement (MRI) Plan of Irrigation and Drainage Facilities

No.	Item	Sheet Name	Form	Description Guidelines
<b>1.</b>	<b>Maintenance, Rehabilitation and Improvement (MRI) Plan</b>			
	1.1 General and Hydrology Information of NIS	Table A3-9 MRI Plan	Form MP-1	1) The general and hydrology information of NIS are picked-up from Part I to III and Table A2-4 in the Manual.
	1.2 Maintenance Plan for Irrigation Facilities	Table A3-9 MRI Plan	Form MP-1	1) The general and structural dimensions are picked-up from Table A2-4 in the Manual. 2) The maintenance components and scales are picked-up from Table A3-7 and A3-8 in the Manual.
	1.3 Estimation of Maintenance Cost for Irrigation Facilities	Table A3-9 MRI Plan	Form MP-1	1) The unit construction costs will be checked and revised in the worksheet of title “Summary Unit Cost” in Table A3-9 MRI Plan for Irrigation Facilities. 2) The compound MRI unit cost will be automatically checked and revised using the Microsoft Excel function. 3) The type of MRI components will be copied from above “Summary Table of MRI Components”. 4) The unit cost will be selected from Summary List of Compound MRI Unit Cost. 5) The MRI costs will be automatically estimated using the Microsoft Excel function.
<b>2.</b>	<b>Maintenance, Rehabilitation and Improvement (MRI) Cost</b>			
	2.1 Summary of Maintenance Cost of Irrigation Facilities	Table A3-10 Summary of Maintenance Cost	Form MP-2	1) The FUSA will be picked-up from Table A2-2 in the Manual. 2) The maintenance cost of each NIS for Diversion Dam, Pumping Station, Canal and Canal Related Structures will be copied from Table A3-11 to the worksheet titles “Dam”, “Pump”, “Canal” and “RS” in Table A3-10 electronic file. 3) The maintenance costs of each NIS will be automatically computed using the Microsoft Excel function.
	2.2 Estimation of Maintenance Cost of Irrigation Facilities	Table A3-11 Estimation of Maintenance Cost	Form MP-3	1) The Table A3-7 and A3-8 will be copied to the worksheet titles “Unit Cost”, “Present Conditions” and “Dimensions of Facilities” in the Manual 2) The conditions of each maintenance works will be copied to the Form MP-3 in the Manual. 3) The maintenance costs of each NIS will be automatically computed using the Microsoft Excel function.

No.	Item	Sheet Name	Form	Description Guidelines
	2.3 Summary of Rehabilitation and Improvement (R/I) Cost of Irrigation Facilities	Table A3-12 Summary of R/I Cost	Form MP-4	<ol style="list-style-type: none"> <li>1) The FUSA will be picked-up from Table A2-2 in the Manual.</li> <li>2) The R/I cost of each NIS for Diversion Dam, Pumping Station, Canal and Canal Related Structures will be copied from Table A3-13 to the worksheet titles “Dam”, “Pump”, “Canal” and “RS” in Table A3-12 electronic file.</li> <li>3) The R/I costs of each NIS will be automatically computed using the Microsoft Excel function.</li> </ol>
	2.4 Estimation of Rehabilitation and Improvement (R/I) Cost of Irrigation Facilities	Table A3-13 Estimation of R/I Cost	Form MP-5	<ol style="list-style-type: none"> <li>1) The Table A3-7 and A3-8 will be copied to the worksheet titles “Unit Cost”, “Present Conditions” and “Dimensions of Facilities” in the Manual</li> <li>2) The conditions of each R/I works will be copied to the Form MP-5 in the Manual.</li> <li>3) The R/I costs of each NIS will be automatically computed using the Microsoft Excel function.</li> </ol>

Form PM-1 Evaluation Table for Prioritization of NIS's R/I Plan among NISs

No.	Region	RC (NISO)	NIS	Severe Functionality of System			Project Justification (B/CRatio)			Water Resources Potentiarity			Scale of MRI Works (Cost)			O&M Capability (Functionality Survey/ISF)			Contribution of Regional Economy			Total Score by Weighting Points Rates	Order of Priority	
				30			20			20			15			10			5					
				Severe	Moderate	Good	> 10.0	1.0 - 10.0	< 1.0	High	Medium	Low	Large	Medium	small	Good	Moderate	Low	High	Medium	Low			
				SP	5	3	1	SP	5	3	1	SP	5	3	1	SP	5	3	1	SP	5			3
1	CAR	Upper Chico	Upper Chico																			0	1	
2		Hapid IP	Hapid																				0	1
3		West Apayao Abulug IS	West Apayao Abulug																				0	1
4	Reg. I	Ilocos Norte	Bonga PIS-1																				0	1
5			Bonga PIS-2																				0	1
6			Bonga PIS-3																				0	1
7			Laoag Vintar																				0	1
8			Nmc Pasuquin																				0	1
9			Dingras																				0	1
10			Bolo																				0	1
11			Cura																				0	1
12			Nueva Era																				0	1
13			Madongan Area																				0	1
14			Solsona Area																				0	1
15			Labugaon Area																				0	1
16			Papa Area																				0	1
17		Ilocos Sur	Sta. Maria-Burgos																				0	1
18			Sta. Lucia-Candon																				0	1
19			Tagudin																				0	1
20		Amburayan	Amburayan																				0	1
21		Ambayoan-Dipalo	Ambayoan																				0	1
22			Ambayoan-Extension																				0	1
23			Dipalo																				0	1
24		Masalip	Masalip																				0	1
25		Lower Agno	Lower Agno																				0	1
26		San Fabian- Dumuloc	San Fabian																				0	1
27			Dumuloc																				0	1
28		Agno-Sinolacan	Agno																				0	1
29			Sinolacan																				0	1
30	Reg. II	Vistacion	Vistacion																				0	1
31		Baua	Baua																				0	1
32		Banurbur	Banurbur Creek																				0	1
33		Magapit Pump	Magapit PIS																				0	1
34		Apayao- Abulug- Pamplona	Apayao-Abulug																				0	1
35			Pamplona																				0	1
36		Dummun	Dummun																				0	1
37		Zinundungan	Zinundungan																				0	1
38		Baggao	Baggao																				0	1
39		Iguig-Alcala- Amulung	Iguig-Alcala-Amulung PIS																				0	1
40		Lower Chico	Lower Chico																				0	1
41		Solana- Pinacanuan	Solana PIS																				0	1
42			Pinacanuan																				0	1
43		San Pablo Cabagan	San Pablo Cabagan																				0	1
44		Tumauni	Tumauni																				0	1
45		Mallig	Mallig																				0	1







No.	Region	RC (NISO)	NIS	Severe Functionality of System			Project Justification (B/C Ratio)			Water Resources Potentiarity			Scale of MRI Works (Cost)			O&M Capability (Functionality Survey/ISF)			Contribution of Regional Economy			Total Score by Weighting Points Rates	Order of Priority				
				WP	30		WP	20		WP	20		WP	15		Wp	10		WP	5							
				SP	Severe	Moderate	Good	SP	> 10.0	1.0 - 10.0	< 1.0	SP	High	Medium	Low	SP	Large	Medium	small	Sp	Good			Moderate	Low	SP	High
193	Reg.XII	Allah-Banga-Marbel	Allah-1																						0	1	
194			Allah-2																							0	1
195			Banga																							0	1
196			Marbel-1																							0	1
197			Marbel 2																							0	1
198		Siluy- Buayan	Siluy																							0	1
199			Buayan																							0	1
200	Reg.XIII	Cabadbaran-Taguibo	Cabadbaran-Taguibo																							0	1
201		Cantillan	Cantillan																							0	1
202		Tago	Tago																							0	1
203		Andanan	Andanan																							0	1
204		Gibong	Gibong																							0	1
205		Simulao	Simulao																							0	1



Form PM-2 Severe Functionality of System

NO.	Region	NIS	Diversion Dam Name	Diversion Dam		Pumping Station		Canal		Total of Severe			Classification				
				Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number	%	Good 0 - 6	Moderate 6 - 27	Severe 27 - 100		
1	CAR	Upper Chico	Chico							0	0						
			Talaca Catch							0	0						
			Hapid								0	0					
2		West Apayao Abulog IS	West Apayao Abulog							0	0						
3										0	0						
4		Bonga PIS-1	Bonga Pump # 1							0	0						
5		Bonga PIS-2	Bonga Pump # 2							0	0						
6		Bonga PIS-3	Bonga Pump # 3							0	0						
7		Laoag Vintar	Vintar							0	0						
8		Nimo Pasuquin	N/A							0	0						
9		Dingras	Dingras Int.							0	0						
10		Bolo	N/A							0	0						
11		Cura	Cura Int.							0	0						
12		Nueva Era	Nueva Era							0	0						
13		Madongan Area	Madongan							0	0						
14		Solasona	Solasona Area							0	0						
15		Labugaon Area	Labugaon							0	0						
16		Papa Area	Papa							0	0						
17	Region I	Sta. Maria-Burgos	Sta. Maria-Burgos							0	0						
18		Sta. Lucia-Candon	Sta. Lucia-Candon								0	0					
19		Tagudin	N/A								0	0					
20		Amburayan	Amburayan								0	0					
21		Ambayoon	Ambayoon Int.								0	0					
22		Ambayoon-Extension									0	0					
23		Dipalo	Dipalo								0	0					
24		Masalip	Masalip								0	0					
25		Lower Agno									0	0					
26		San Fabian	San Fabian								0	0					
27		Dumoloc	Dumoloc								0	0					
28		Agno	Agno								0	0					
29		Sinolacan	Sinolacan								0	0					
30		Visitacion	Visitacion							0	0						
31		Baua	Baua							0	0						
32		Banbur Creek	San Lorenzo							0	0						
			Nagsabaran							0	0						
33		Magapit PIS	PIS							0	0						
34		Apayao-Abulog	Dacao							0	0						
			Swan							0	0						
35		Pamplona								0	0						
36		Dummun	Dummun							0	0						
37	Region II	Zinundungan	Sicalao							0	0						
38			Baggao	Duba							0	0					
				Pallagao							0	0					
39			Igug-Alcala-Amlung PIS	PIS							0	0					
40			Lower Chico	Chico Intake							0	0					
41			Solana PIS	PIS							0	0					
42			Pinacanauan	Pinacanauan							0	0					
43			San Pablo Cabegan	Dalena Dam							0	0					
44			Tumauni	Tumauni							0	0					
45			Mallig	Mallig&Casili							0	0					
46		Bagabag	Bagabag Intake							0	0						
47	MRIIS	MRIIS District I	Baligatan							0	0						
48			MRIIS District II	Baligatan							0	0					
49			MRIIS District III	Sifu							0	0					
50			MRIIS District IV	PIS							0	0					
51	Region III	Nayon								0	0						
52			Bayto								0	0					
53			Carniling	Magsaysay							0	0					
54			Tarlac	Tarlac							0	0					
55			San Miguel								0	0					
56			Bucao	Bucao							0	0					
57			NEPIS	PIS							0	0					
58			Pampanga	Pampanga Delta							0	0					
59			Porac	Porac							0	0					
60			Gumain	Gumain							0	0					
61			Colo	Colo							0	0					
62			Caulaman	Caulaman							0	0					
63			Angat	A.A.R.D.							0	0					

NO.	Region	NIS	Diversion Dam Name	Diversion Dam		Pumping Station		Canal		Total of Severe		%	Classification		
				Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number		Good 0 - 6	Moderate 6 - 27	Severe 27 - 100
64	Region III	Maasim	Upper Maasim							0	0				
			Lower Maasim # 1							0	0				
			Lower Maasim # 2								0	0			
65		Disalit Creek	Disalit Creek							0	0				
66		UPRIIS District I	Lupao							0	0				
67		UPRIIS District II	Atate							0	0				
68	UPRIIS	UPRIIS District III	Lower Talaver							0	0				
			Marcon								0	0			
69		UPRIIS District III (Vaca)	Vaca							0	0				
70		UPRIIS District IV	Peffaranda							0	0				
71	Region IV	Molino								0	0				
72		Embarcadero-Baluctot								0	0				
73		Luksuhin-Makuling								0	0				
74		Pasong Kastila-Julian								0	0				
75		Bankud								0	0				
76		Butas Marcelo								0	0				
77		Plucena-Bayan								0	0				
78		Butas-Lawang Bato								0	0				
79		Navarro								0	0				
80		Matanda								0	0				
81		Balayungan								0	0				
82		Tres Cruces								0	0				
83		San Agustin-Pasong Buaya								0	0				
84		Culong-Culong								0	0				
85		Sahing								0	0				
86		Agos		N/A							0	0			
87		Palico	Palico								0	0			
88		Cabuyao PIS	San Cristobal								0	0			
89		San Cristobal	Campana								0	0			
90		Diezmo PIS	Diezmo								0	0			
91	Macablang	Macablang								0	0				
92	San Juan	San Juan								0	0				
93	Sta. Maria	Mata								0	0				
94	Mayor	Sta. Maria								0	0				
95	Dambo PIS	PIS								0	0				
96	Sta. Cruz	Sta. Cruz								0	0				
97	Mabacan	Mabacan								0	0				
98	Balanao	Balanao								0	0				
99	Lumban	Lumban								0	0				
100	Malaunod	Malaunod								0	0				
101	Dumacaa	Dumacaa								0	0				
102	Hanagdong	Hanagdong								0	0				
103	Lagnas	Lagnas								0	0				
104	Pagbahan	Intake								0	0				
105	Baco Bucayao	Baco Bucayao								0	0				
106	Mag-Asawang Tubig	Baco Bucayao								0	0				
107	Amay-Patric	Patric Intake								0	0				
108	Mongpong	N/A								0	0				
109	Pula	N/A								0	0				
110		Bansud								0	0				
111	Lumintao	Intake								0	0				
112	Caguray	Caguray								0	0				
113	Cantingas	N/A								0	0				
114	Batang-Batang	Batang Int.								0	0				
115	Malatgao	Malatgao								0	0				
116	Daet Talisay	Bibirso Int.								0	0				
117	Malogdon	Malogdon								0	0				
118	Liberman Cabussao PIS	Liberman Cabussao PIS								0	0				
119	Tigman-Hinagyanan	Timan								0	0				
		Hinagyanan									0	0			
120	Inarihan	Inarihan								0	0				
121	Region V	Cagaycay	Cagaycay							0	0				
122	Barit	Barit								0	0				
123	Rida	Rida								0	0				
124	Buhi-Lalo	Buhi-Lalo								0	0				
125	Mahaba	Mahaba								0	0				
126	Nasisi	Nasisi								0	0				
127	Ogsong	Ogsong								0	0				
128	Hibiga	Hibiga								0	0				

NO.	Region	NIS	Diversion Dam Name	Diversion Dam		Pumping Station		Canal		Total of Severe		%	Classification				
				Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number		Good	Moderate	Severe		
				0 - 6	6 - 27	27 - 100											
129	Region V	San Francisco	San Francisco							0	0						
130		San Ramon	San Ramon							0	0						
131		Aklan	East Intake							0	0						
			West Intake								0	0					
			Dumga								0	0					
											0	0					
132		Panaskuyan	Panaskuyan							0	0						
133		Sibalom-San Jose	Tipuluan							0	0						
134		Mambusao	Mambusao							0	0						
135		Jalaur-Propor	Jalaur							0	0						
136	Region VI	Jalaur- Extension	Jalaur							0	0						
137		Saugue	Saugue							0	0						
138		Sibalom-Tigbuan	Sibalom							0	0						
139		Aganan	Aganan							0	0						
140		Sta. Barbara	Sta. Barbara							0	0						
141		Barotac Viejo	Barotac Viejo							0	0						
142		Bago	Bago							0	0						
143		Pangiplan	Pangiplan							0	0						
144		Region VII	Bohol	Maliano							0	0					
145			Capayas	Capayas							0	0					
146		Maitim	Maitim							0	0						
147			Pongso	Pongso							0	0					
148			Bao	Bao							0	0					
149			Binahaan North	Tingib								0	0				
				Depdap								0	0				
150			Binahan South	Binahan South							0	0					
151			Lower Binahaan	Candi							0	0					
152			Tibak	Mairong								0	0				
				Victoria								0	0				
153			Region VIII	Daguitan	Daguitan							0	0				
154	Gumarona	Gumarona								0	0						
155	Balire North	Balire North								0	0						
156	Balire South	Balire South								0	0						
157	Ibawon	Ibawon								0	0						
158	Gibuya	Gibuya								0	0						
159	Bito	Bito								0	0						
160	Hindang-Hilongos	N/A								0	0						
161	Das-Ay	Das-Ay								0	0						
162	Sibuguey Valley	Sibuguey									0	0					
		Dipili								0	0						
163	Dipolo	Dipolo								0	0						
		Timonan								0	0						
		Gufran								0	0						
164	Region IX	Salug	Salug							0	0						
			Salug Diut								0	0					
165	Labangan	Labangan								0	0						
		Dipaya Intake								0	0						
		Pulacan S. D.								0	0						
		Lantian S. D.								0	0						
											0	0					
166	Region X	Bubunawan	Bubunawan							0	0						
167		Manupali	Manupali							0	0						
168		Pulangui	Pulangui							0	0						
169		Roxas-Kuya	Roxas-Kuya							0	0						
170		Muleta	Muleta								0	0					
			Kulaman								0	0					
			Kuya Pick-up 1								0	0					
		Kuya Pick-up 2							0	0							

NO.	Region	NIS	Diversion Dam Name	Diversion Dam		Pumping Station		Canal		Total of Severe			Classification		
				Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number	Total of Severe	Total of Number	%	Good 0 - 6	Moderate 6 - 27	Severe 27 - 100
171	Region X	Rugnan								0	0				
172		Maranding	Maranding							0	0				
173	Region XI	Lupon	Tag-uppo							0	0				
174		Batutu	Batutu							0	0				
175		Saug	Saug							0	0				
176		Libunganon-Left	Libunganon							0	0				
177		Lasang	Lasang							0	0				
178		Libunganon-Right	Libunganon							0	0				
179		Kipaliku	Kipaliku							0	0				
180		Mal	Dongan Pekong							0	0				
181		Padada	Padada							0	0				
182		Region XII	Alip	Alip							0	0			
183	Talayan		Talayan							0	0				
184	Maridagao									0	0				
185	Libungan		Libungan							0	0				
186	Kabulan									0	0				
187	Kabacan		Kabacan							0	0				
188	Pagalungan		Pagalungan							0	0				
189	Mlang		Ugpay							0	0				
190	Malasila		New Barbaza							0	0				
191	Lambayong		Lambayong							0	0				
192	Tacurong (Dumaguil)		Dumaguil							0	0				
193	Allah-1		Surallah							0	0				
194	Allah-2		Sto. Nifio							0	0				
195	Banga	Banga							0	0					
196	Marbel-1	Marbel-1							0	0					
197	Marbel-2	Marbel-2							0	0					
198	Sihuy	Sihuy							0	0					
199	Buayan	Tinagacan							0	0					
200	Region XIII	Cabadbaran-Taguibo	Cabadbaran							0	0				
201		Cantillan	Cantillan Int.							0	0				
202		Tago	Sagbayan							0	0				
203		Andanan	Andanan							0	0				
204		Gibong	Gibong							0	0				
205	Simulao	Simulao							0	0					
Total				0	0	0	0	0	0	0	0	0	0	0	0
Average				0	0	0	0	0	0	0	0	0	0	0	0

## Form PM-3 Project Justification (B/C Ratio) for Prioritization of NIS's R/I Plan

No	Region	NIS	Average benefited Area (ha)	Benefited Area by RI Works				Benefit		B/C Ratio		Classification		
				Dam (ha)	Pump (ha)	Canal (ha)	Total (ha)	Net Income (Php/ha)	Total (Php/ha)	RI Cost (Php/ha)	B/C Ratio	Low <1	Medium 1-10	High >10
1	CAR	Upper Chico		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2		Hapud							0					
3		West Apayao Abulug							0					
4	Reg. 1	Bonga PIS-1							0					
5		Bonga PIS-2		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6		Bonga PIS-3		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7		Laoag Vintar							0					
8		Nmc Pasuquin							0					
9		Dingras		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10		Bolo		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11		Cura		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
12		Nueva Era							0					
13		Madongan Area		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
14		Solsona Area		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15		Labugaon Area		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16		Papa Area		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
17		Sta. Maria-Burgos		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
18		Sta. Lucia-Candon		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
19		Tagudin							0					
20		Amburayan		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
21		Ambayoan		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
22		Ambayoan-Extension							0					
23		Dipalo		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
24		Masalip							0					
25		Lower Agno		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
26		San Fabian		0	0	0	0		0.00			1		
27		Dumuloc		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
28		Agno							0					
29		Sinolacan							0					
30	Reg. 2	Vistacion							0					
31		Baua		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
32		Banabur Creek		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
33		Magapit PIS		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
34		Apayao-Abulug		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
35		Pamplona							0					
36		Dummun		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
37		Zinundungan							0					
38		Bagao		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
39		Iguig-Alcala-Amulung PIS							0					
40		Lower Chico							0					
41		Solana PIS							0					
42		Pinacanauan							0					
43		San Pablo Cabagan		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
44		Tumauni		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
45		Mallig		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
46		Bagabag		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	MRHIS	MRHIS Distric I							0					
48		MRHIS Distric II							0					
49		MRHIS Distric III		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
50		MRHIS Distric IV							0					
51	Reg.3	Nayom							0					
52		Bayto							0					
53		Camiling		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54		Tarlac							0					
55		San-Miguel							0					
56		Bucao							0					
57		NEPIS							0					
58									0					
59		Porac		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
60		Gumain		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
61		Colo							0					
62		Caulaman							0					
63		Angat		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
64		Maasim		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
65		Disalit Creek		0	0	0	0		0		0.00	1		
66	UPRIIS	UPRIIS District I		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
67		UPRIIS District II							0					
68		UPRIIS District III							0					
69		UPRIIS District III(Vaca)							0					
70		UPRIIS District IV		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
71	Reg. 4	Molino							0					
72		Embarcadero-Baluctot							0					
73		Luksuhin-Makuling							0					
74		Pasong Kastila-Julian							0					
75		Bankud							0					
76		Butas Marcelo							0					
77		Plucena-Bayan							0					
78		Butas-Lawang Bato							0					
79		Navarro							0					
80		Matanda							0					
81		Balayungan							0					
82		Tres Cruces							0					
83		San Agustin-Pasong Buaya							0					
84		Culong-Culong							0					
85		Sahing							0					
86		Agos							0					
87		Palico							0					
88		Cabuyao PIS							0					
89		San Cristobal							0					
90		Diezmo PIS							0					
91		Macabling							0					
92		San Juan							0					
93		Sta. Maria							0					
94		Mayor							0					
95		Dambo PIS							0					
96		Sta. Cruz		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
97		Mabacan							0					
98		Balanac							0					
99		Lumban							0					
100		Malaunod							0					
101		Dumacao		0	0	0	0		0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

102	Hanagdong		0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
103	Lagnas		0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
104	Pagbahan						0				
105	Baco Bucayao						0				
106	Mag-Asawang Tubig						0				
107	Amnav-Patric						0				
108	Mongpong						0				
109	Pula						0				
110	Bansud						0				
111	Lumintao						0				
112	Caguray						0				
113	Cantiugas						0				
114	Batang-Batang		0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
115	Malatgao		0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
116	Reg. 5	Daet Talisay					0				
117		Matogdon					0				
118		Libmanan Cabusao PIS					0				
119		Tigman-Hinagyanan					0				
120		Inarihan					0				
121		Cagaycay					0				
122		Barit					0				
123		Rida					0				
124		Buhi-Lalo					0				
125		Mahaba					0				
126		Nasisi					0				
127		Osgong					0				
128		Hibiga					0				
129		San Francisco					0				
130		San Ramon					0				
131	Reg. 6	Aklan (East Side)	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
132		Panakuyan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
133		Sibalom-San Jose	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
134		Mambusao	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
135		Jalaur-Propor	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
136		Jalaur- Extension	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
137		Suaque	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
138		Sibalom-Tigbuan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
139		Aganan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
140		Sta. Barbara	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
141		Barotac Viejo	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
142		Bago	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
143		Pangiplan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
144	Reg. 7	Bohol					0				
145		Capayas					0				
146	Reg. 8	Maimit	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
147		Pongso	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
148		Bao	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
149		Binahaan North					0				
150		Binahan South					0				
151		Lower Binahaan					0				
152		Tibak					0				
153		Daguitan	0	0	0	0	0	0.00		1	
154		Gumarona	0	0	0	0	0	0.00		1	
155		Balire North	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
156		Balire South	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
157		Ibawon	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
158		Gibuya	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
159		Bito					0				
160		Hindang-Hilongos	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
161		Das-Ay	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
162	Reg. 9	Sibuguey Valley	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
163		Dipolo	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
164		Salug	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
165		Labangan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
166	Reg. 10	Bubunawab					0				
167		Manupali	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
168		Pulangui	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
169		Roxas-Kuya	0	0	0	0	0	0.00		1	
170		Muleta	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
171		Rugnan					0				
172		Maranding					0				
173	Reg. 11	Lupon	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
174		Batutu	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
175		Saug	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
176		Libunganon-Left	0	0	0	0	0	0.00		1	
177		Lasang					0				
178		Libunganon-Right	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
179		Kipaliku					0				
180		Mal	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
181		Padada	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
182	Reg.12	Alip	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
183		Talayan					0				
184		Maridagao					0				
185		Libungan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
186		Kabulnan					0				
187		Kabacan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
188		Pagalungan	0	0	0	0	0	0.00		1	
189		Mlang					0				
190		Malasila	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
191		Lambayaong	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
192		Tacurong (Dumaguil)	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
193		Allah-1					0				
194		Allah-2					0				
195		Banga	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
196		Marbel-1	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
197		Marbel 2	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
198		Siluy	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
199		Buayan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
200	Reg. 13	Cabadbaran-Taguibo	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
201		Cantillan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
202		Tago	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
203		Andanan	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
204		Gibong	0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
205		Simulao					0				







Region	NIS	Dry Season Paddy										Wet Season Paddy										Annual	
	NIS Name	Financial					Economic					Financial					Economic					Financial	Economic
		Yield (kg/ha)	Price (PhP/kg)	Gross Income (PhP/ha)	Total Expenses (PhP/ha)	Net Income (PhP/ha)	Yield (kg/ha)	Price (PhP/kg)	Gross Income (PhP/ha)	Total Expenses (PhP/ha)	Net Income (PhP/ha)	Yield (kg/ha)	Price (PhP/kg)	Gross Income (PhP/ha)	Total Expenses (PhP/ha)	Net Income (PhP/ha)	Yield (kg/ha)	Price (PhP/kg)	Gross Income (PhP/ha)	Total Expenses (PhP/ha)	Net Income (PhP/ha)	Net Income (PhP/ha)	Net Income (PhP/ha)
CAR	Upper Chico			0		0			0		0			0		0			0		0	0	0
I				0		0			0		0			0		0			0		0	0	0
II				0		0			0		0			0		0			0		0	0	0
MARIIS				0		0			0		0			0		0			0		0	0	0
III				0		0			0		0			0		0			0		0	0	0
UPRIIS				0		0			0		0			0		0			0		0	0	0
IV	Amnay/Mongpong			0		0			0		0			0		0			0		0	0	0
	Cavite			0		0			0		0			0		0			0		0	0	0
	Laguna			0		0			0		0			0		0			0		0	0	0
	Maltao/Batang-Batang RIS, Narra, Palawan			0		0			0		0			0		0			0		0	0	0
	Palico RIS, Nasugbi, Batangas			0		0			0		0			0		0			0		0	0	0
	Pagbaha RIS			0		0			0		0			0		0			0		0	0	0
	Sta. Maria Mayor RIS, Malico, Mabitac, Laguna			0		0			0		0			0		0			0		0	0	0
	Dumacca-Hanagdong			0		0			0		0			0		0			0		0	0	0
	Average			0		0			0		0			0		0			0		0	0	0
V	Tigman-Hinagyanan-Inarihan RIS			0		0			0		0			0		0			0		0	0	0
	Cagayan RIS			0		0			0		0			0		0			0		0	0	0
	Barit RIS, Div. A			0		0			0		0			0		0			0		0	0	0
	Div. B			0		0			0		0			0		0			0		0	0	0
	Div. C			0		0			0		0			0		0			0		0	0	0
	Buhi Lalo RIS, Div. A			0		0			0		0			0		0			0		0	0	0
	Div. B			0		0			0		0			0		0			0		0	0	0
	Div. C			0		0			0		0			0		0			0		0	0	0
	Rinconada IDA, Div. A			0		0			0		0			0		0			0		0	0	0
	Div. B			0		0			0		0			0		0			0		0	0	0
	Div. C			0		0			0		0			0		0			0		0	0	0
	Sn Ramon-Sn Francisco RIS			0		0			0		0			0		0			0		0	0	0
	Average			0		0			0		0			0		0			0		0	0	0
VI	Sibalom-Tigbauan RIS.			0		0			0		0			0		0			0		0	0	0
	Bago RIS.			0		0			0		0			0		0			0		0	0	0
	Sibalom-san Jose RIS.			0		0			0		0			0		0			0		0	0	0
	Pangiplan RIS.			0		0			0		0			0		0			0		0	0	0
	Jalaur-Suague & Jalaur Extension RIS.			0		0			0		0			0		0			0		0	0	0
	Aganan-Sta. Barbara RIS.			0		0			0		0			0		0			0		0	0	0
	Barotac Viejo RIS.			0		0			0		0			0		0			0		0	0	0
	Mambusao RIS.			0		0			0		0			0		0			0		0	0	0
	Average			0		0			0		0			0		0			0		0	0	0
VII	BAO RIS			0		0			0		0			0		0			0		0	0	0
VIII				0		0			0		0			0		0			0		0	0	0
				0		0			0		0			0		0			0		0	0	0
	Average			0		0			0		0			0		0			0		0	0	0
X	Pulangui RIS			0		0			0		0			0		0			0		0	0	0
XI	Division I-East			0		0			0		0			0		0			0		0	0	0
	Division I-West			0		0			0		0			0		0			0		0	0	0
	Mal RIS			0		0			0		0			0		0			0		0	0	0
	Lupon RIS			0		0			0		0			0		0			0		0	0	0
	Padada RIS			0		0			0		0			0		0			0		0	0	0
	Saug Libugaon RIS			0		0			0		0			0		0			0		0	0	0
	Average			0		0			0		0			0		0			0		0	0	0
XII				0		0			0		0			0		0			0		0	0	0
XIII				0		0			0		0			0		0			0		0	0	0
	Average			0		0			0		0			0		0			0		0	0	0

Data source : NIA-SMD

Form PM-6 Evaluation Table for Prioritization of NISs R/I Plan within NIS

No.	Region	RC (NISO)	NIS Part of Facilities	Severe Functionality of System			Project Justification (B/CRatio)			Scale of MRI Works (Cost)			Total Score by Weighting Points Rates			
				WP	50			WP	30			WP		20		
				SP	Severe 5	Moderate 3	Good 1	SP	> 5.0 5	1.0 - 5.0 3	< 1.0 1	SP		Large 5	Medium 3	small 1
63	Reg. 3	Angat-Massim	Angat RIS													
			Diversion Dam											0		
			Pumping Station											0		
			Canal											0		
96	Reg. 4	Sta. Cruz-Mabacan-Balanac	Sta. Cruz RIS													
			Diversion Dam											0		
			Pumping Station											0		
			Canal											0		
139	Reg. 6	Aganan-Sta. Barbara	Aganan RIS													
			Diversion Dam											0		
			Pumping Station											0		
			Canal											0		

Form PM-7 Description Guidelines for Prioritization Methods for MRI of NISs

No.	Item	Sheet Name	Form	Description Guidelines
<b>1.</b>	<b>Prioritization Methods for R/I of Facilities among NISs</b>			
	1.1 Evaluation Table for Prioritization of NIS's Plan	Table 3-1 Prioritization Methods	Form PM-1	1) Severe functionality of system (Imperiousness) will be picked-up from Table A3-14 in the Manual. 2) Project justification (B/C Ratio) will be picked-up from Table A3-15 in the Manual. 3) Water resources potentiality (Water resources) will be picked-up from Table A2-10 in the Manual. 4) Scale of MRI works (Project scale and instant effect) will be picked-up from Table A3-16 in the Manual. 5) O&M capability (Functionality Survey/ISF) will be picked-up from Table A2-7 in the Manual. 6) Contribution of regional economy (Project contribution) will be picked-up in the A3-7 in the Manual. 7) Total scores and order of priority will be automatically computed using the Microsoft Excel function.
	1.2 Severe Functionality of System	Table A3-14 Severe Functionality	Form MP-2	1) Severe functionality data will be picked-up from Table A3-8 in the Manual. 2) Total severe and classification of functionality will be automatically computed using the Microsoft Excel function.
	1.3 Project Justification	Table A3-15 B/C Ratio	Form MP-3	1) Net income will be picked-up from Table A3-17 in the Manual. 2) Benefit, B/C Ratio and classification of benefit will be automatically computed using the Microsoft Excel function.
	1.4 Scale of MRI Works	Table A3-16 Scale of R/I cost	Form MP-4	1) R/I cost for each facility will be picked-up from Table A3-12 in the Manual. 2) Total R/I cost and classification of scale will be automatically computed using the Microsoft Excel function.
	1.5 Regional Economy	Table A3-17 Regional Economy	Form MP-5	1) Regional economy data will be picked-up by Regional office survey. 2) Regional average income, total expenses and net income of irrigated paddy will be automatically computed using the Microsoft Excel function.
<b>2.</b>	<b>Prioritization Methods for R/I of Facilities within NIS</b>			
	2.1 Evaluation Table for Prioritization of R/I of Facilities within NIS	Table 3-1 Prioritization of R/I Plan within NIS	Form MP-6	1) Severe functionality, Project justification and Scale of MRI works will be picked-up from Table A3-14, to A3-16 in the Manual. 2) Total score will be automatically computed using the Microsoft Excel function.