

Table C.4.1 List of Qualified Projects (2/5)

Agency No.	Project Name	Region	Province Name	Municipality Name	Present Status
22 NIA-53	Mantedted SWIP	III	Nueja Ecija	San Jose City	Pre-F/S
23 NIA-55	Dalayap SWIP	III	Pampanga	Arayat	Pre-F/S
24 NIA-56	Bliss II SWIP	III	Pampanga	Magalang	Pre-F/S
25 NIA-57	Bigbiga SWIP	III	Tarlac	Mayantoc	Pre-F/S
26 NIA-58	Tangcarang SWIP	III	Tarlac	Mayantoc	Pre-F/S
27 NIA-59	Lawacamulag SWIP	III	Tarlac	Tarlac	Pre-F/S
28 NIA-72	Matikiw SWIP	IV	Laguna	Pakil	Pre-F/S
29 NIA-97	Domorog SWIP	V	Masbate	Cataingan	Pre-F/S
30 NIA-98	Batongan SWIP	V	Masbate	Mandaon	Pre-F/S
31 NIA-99	Jamorawon SWIP	V	Masbate	Milagros	Pre-F/S
32 NIA-100	Cabangcalan SWIP	V	Masbate	Placer	Pre-F/S
33 NIA-101	Posiagon SWIP	V	Masbate	Placer	Pre-F/S
34 NIA-102	Pili SWIP	V	Masbate	Placer	Pre-F/S
35 NIA-103	Bito SWIP	V	Masbate	San Fernando	Pre-F/S
36 NIA-104	Rizal SWIP	V	Masbate	San Fernando	Pre-F/S
37 NIA-106	Bontolan SWIP	V	Masbate	Uson	Pre-F/S
38 NIA-107	Boracan SWIP	V	Masbate	Uson	Pre-F/S
39 NIA-108	Pinangakogan SWIP	V	Masbate	Uson	Pre-F/S
40 NIA-111	Ibingan SWIP	V	Sorsogon	Prieto-Diaz	Pre-F/S
41 NIA-112	Bagasico SWIP	VII	Bohol	Untaga, Alicia	Pre-F/S
42 NIA-119	Bonot-Bonot SWIP	VII	Bohol	Buenavista	Pre-F/S
43 NIA-120	Calunasan SWIP	VII	Bohol	Calape	Pre-F/S
44 NIA-121	Mandaug SWIP	VII	Bohol	Calape	Pre-F/S
45 NIA-122	Abejilan SWIP	VII	Bohol	Cardijay	Pre-F/S
46 NIA-128	Lungsoda-an SWIP	VII	Bohol	Cardijay	Pre-F/S
47 NIA-130	Catungawan SWIP	VII	Bohol	Guindulman	Pre-F/S
48 NIA-131	Lapacan SWIP	VII	Bohol	Inabanga	Pre-F/S
49 NIA-132	Taytay SWIP	VII	Bohol	Jetafe	Pre-F/S
50 NIA-133	Abaca SWIP	VII	Bohol	Mabini	Pre-F/S
51 NIA-136	Ordol SWIP	VII	Bohol	Mabini	Pre-F/S
52 NIA-138	San Isidro Banlasan SWIP	VII	Bohol	Trinidad	Pre-F/S
53 NIA-139	Banlasan SWIP	VII	Bohol	Tubigon	Pre-F/S
54 NIA-141	Biabas SWIP	VII	Bohol	Ubay	Pre-F/S
55 NIA-147	Kanasuhan SWIP	VII	Cebu	Carcar	Pre-F/S
56 NIA-148	Luyang SWIP	VII	Cebu	Carmen	Pre-F/S
57 NIA-149	Danao SWIP	VII	Cebu	Danao City	Pre-F/S
58 NIA-150	Tungkod SWIP	VII	Cebu	Minglanilia	Pre-F/S
59 NIA-152	Maayog-Tubig SWIP	VII	Negros Oriental	Dauin	Pre-F/S
60 NIA-154	Lipayo SWIP	VII	Negros Oriental	Dauin	Pre-F/S
61 NIA-157	Naga-Mantuyop SWIP	VII	Negros Oriental	Siaton	Pre-F/S
62 NIA-158	San Antonio SWIP	VII	Negros Oriental	Sibulan	Pre-F/S
63 NIA-163	Tigbao SWIP	VII	Siquijor	Lazi	Pre-F/S
64 NIA-186	Mahayahay SWIP	VIII	Southern Leyte	Bontoc	Pre-F/S
65 NIA-187	Bogo-Dongon SWIP	VIII	Southern Leyte	Maasin	Pre-F/S
66 NIA-188	Lan-Agan SWIP	VIII	Southern Leyte	Maasin	Pre-F/S
67 NIA-190	Kamansi-Rizal SWIP	VIII	Southern Leyte	Tomas Oppus	Pre-F/S

Remarks: 1/: OECF Candidate Projects; 2/: Projects to be funded by CARP;
3/ Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.1 List of Qualified Projects (3/5)

Agency No.	Project Name	Region	Province Name	Municipality Name	Present Status
BSM					
1 BSM-1	Sucsuguen SWIP	I	Ilocos Norte	Piddig	D/D
2 BSM-2	Olo-olo I SWIP	I	Ilocos Sur	Santiago	D/D
3 BSM-3	Olo-Olo II SWIP ^{1/}	I	Ilocos Sur	Santiago	D/D
4 BSM-4	Balingoan SWIP	I	Ilocos Sur	Candon	D/D
5 BSM-5	San Cristobal SWIP	I	Ilocos Norte	Sarrat	D/D
6 BSM-6	San Agustin SWIP	I	Ilocos Norte	San Nicolas	D/D
7 BSM-7	Bingao II SWIP	I	Ilocos Norte	San Nicolas	D/D
8 BSM-8	Oda SWIP	I	Pangasinan	Agno	D/D
9 BSM-9	Pugaro SWIP	I	Pangasinan	Manaoag	D/D
10 BSM-10	Pamaranan SWIP	I	Pangasinan	Malasiqui	D/D
11 BSM-11	Caparispisan SWIP	I	Ilocos Norte	Pagudpud	D/D
12 BSM-12	Patong SWIP	I	Ilocos Sur	Magsingal	D/D
13 BSM-13	Samac SWIP	I	Ilocos Norte	San Nicolas	D/D
14 BSM-14	Mabini SWIP	I	Pangasinan	Balungao	D/D
15 BSM-15	San Gonzalo SWIP	I	Pangasinan	Labrador	D/D
16 BSM-16	Camagsingalan SWIP	I	Pangasinan	Sual	D/D
17 BSM-17	Patar SWIP	I	Pangasinan	Mabini	D/D
18 BSM-18	Malimpin SWIP	I	Pangasinan	Dasol	D/D
19 BSM-19	Viga SWIP	I	Pangasinan	Dasol	D/D
20 BSM-20	Cabuosan SWIP	I	Ilocos Norte	Curriniao	D/D
21 BSM-21	Magnuang SWIP	I	Ilocos Norte	Batac	D/D
22 BSM-23	Daquioag II SWIP	I	Ilocos Norte	Marcos	D/D
23 BSM-24	San Andres SWIP	I	Ilocos Norte	Sarrat	D/D
24 BSM-25	Paninaan SWIP	I	Ilocos Norte	Bacarra	D/D
25 BSM-26	San Juan I SWIP	CAR	Abra	Pilar	D/D
26 BSM-27	San Juan II SWIP	CAR	Abra	Pilar	D/D
27 BSM-28	Macarcarmay SWIP	CAR	Abra	Bangued	D/D
28 BSM-29	Pata SWIP	II	Cagayan	Claveria	D/D
29 BSM-30	Balacuit SWIP	II	Nueva Vizcaya	Villaverde	D/D
30 BSM-31	Cabarrangan SWIP	II	Isabela	Ilagan	D/D
31 BSM-32	Marana SWIP	II	Isabela	Ilagan	D/D
32 BSM-33	Cabuluan SWIP	II	Cagayan	Alcala	D/D
33 BSM-34	Diadi SWIP	II	Nueva Vizcaya	Diadi	D/D
34 BSM-35	Naganacan SWIP	II	Isabela	Sta. Maria	D/D
35 BSM-36	Balete SWIP	II	Nueva Vizcaya	Diadi	D/D
36 BSM-37	Minagbag SWIP	II	Isabela	Quezon	D/D
37 BSM-38	Kirang SWIP	II	Nueva Vizcaya	Aritao	D/D
38 BSM-39	Larneg SWIP	II	Cagayan	Solana	D/D
39 BSM-40	San Antonio SWIP	II	Nueva Vizcaya	Bambang	D/D
40 BSM-41	Abian SWIP	II	Nueva Vizcaya	Bambang	D/D
41 BSM-42	Trinidad SWIP	II	Isabela	Mallig	D/D
42 BSM-43	Malalam SWIP	II	Isabela	Ilagan	D/D
43 BSM-44	Apang SWIP	II	Cagayan	Claveria	D/D
44 BSM-45	Arneg SWIP	II	Isabela	Magsaysay	D/D
45 BSM-46	Victoria SWIP	II	Quirino	Aglipay	D/D
46 BSM-47	San Marcos SWIP	II	Quirino	Cabarroguis	D/D

Remarks: ^{1/}: OECF Candidate Projects; ^{2/}: Projects to be funded by CARP;
^{3/} Project funded by JICA Grant Aid. ^{4/}: Projects funded by ADB.

Table C.4.1 List of Qualified Projects (4/5)

Agency No.	Project Name	Region	Province Name	Municipality Name	Present Status
47 BSWM-48	San Francisco SWIP	II	Quirino	Aglipay	D/D
48 BSWM-49	Sta. Filomena SWIP	II	Isabela	San Mariano	D/D
49 BSWM-50	Old San Mariano SWIP	II	Isabela	San Mariano	D/D
50 BSWM-51	Yeban SWIP	II	Isabela	Benito Soliven	D/D
51 BSWM-52	Minallo SWIP	II	Isabela	Naguilian	D/D
52 BSWM-56	Afusing Daga SWIP	II	Cagayan	Alcala	D/D
53 BSWM-57	Maasin SWIP	II	Cagayan	Alcala	D/D
54 BSWM-58	Carallangan SWIP	II	Cagayan	Alcala	D/D
55 BSWM-59	Ganzano SWIP	II	Cagayan	Gattaran	D/D
56 BSWM-60	Sampaloc SWIP	III	Nueva Ecija	Talugtug	D/D
57 BSWM-61	Sto. Domingo SWIP ^{1/}	III	Nueva Ecija	Lupao	D/D
58 BSWM-62	Masalipit SWIP ^{1/}	III	Bulacan	San Miguel	D/D
59 BSWM-63	Villa Poado SWIP	III	Nueva Ecija	Talugtug	D/D
60 BSWM-64	Butid SWIP	III	Nueva Ecija	Talugtug	D/D
61 BSWM-65	Maniniog SWIP ^{1/}	III	Tarlac	Mayantoc	D/D
62 BSWM-66	Villa Isla SWIP	III	Nueva Ecija	Munoz	D/D
63 BSWM-67	Sta. Catalina SWIP	III	Nueva Ecija	Talugtug	D/D
64 BSWM-68	Pulo SWIP	III	Bulacan	San Rafael	D/D
65 BSWM-69	Sto. Domingo II SWIP	III	Nueva Ecija	Talugtug	D/D
66 BSWM-70	Bitungol SWIP	III	Bulacan	Norzagaray	D/D
67 BSWM-71	Maasin SWIP	III	Nueva Ecija	Talugtug	D/D
68 BSWM-72	Sto. Domingo I SWIP	III	Nueva Ecija	Talugtug	D/D
69 BSWM-73	Mangandingay SWIP ^{1/}	III	Nueva Ecija	Munoz	D/D
70 BSWM-74	Namulandayan SWIP	III	Nueva Ecija	Lupao	D/D
71 BSWM-75	Parista SWIP	III	Nueva Ecija	Lupao	D/D
72 BSWM-76	Balbalungao SWIP	III	Nueva Ecija	Lupao	D/D
73 BSWM-77	Lagunlong SWIP ^{1/}	IV	Oriental Mindoro	Baco	D/D
74 BSWM-78	Pakala II SWIP	IV	Oriental Mindoro	Baco	D/D
75 BSWM-79	Bayuin SWIP ^{1/}	IV	Oriental Mindoro	Socorro	D/D
76 BSWM-80	Camburay SWIP ^{1/}	IV	Occidental Mindoro	San Jose	D/D
77 BSWM-82	Buenasuerte SWIP ^{1/}	V	Masbate	Uson	D/D
78 BSWM-83	Bulhao SWIP ^{1/}	V	Camarines Norte	Labo	D/D
79 BSWM-84	Dalnac SWIP	V	Camarines Norte	Paracale	D/D
80 BSWM-85	Gabawan SWIP ^{1/}	V	Albay	Daraga	D/D
81 BSWM-86	Burgos SWIP	V	Catanduanes	Viga	D/D
82 BSWM-87	F. Arcangel SWIP	VI	Aklan	Balete	D/D
83 BSWM-88	Pinonoy SWIP ^{1/}	VI	Aklan	Libacao	D/D
84 BSWM-89	Sibaliw SWIP	VI	Aklan	Toralba, Banga	D/D
85 BSWM-90	Panlagangan SWIP ^{1/}	VI	Antique	Sibalom	D/D
86 BSWM-91	Traciano SWIP ^{1/}	VI	Capiz	Dumarao	D/D
87 BSWM-92	San Roque SWIP	VI	Aklan	Malinao	D/D
88 BSWM-93	Aranas SWIP	VI	Aklan	Balete	D/D
89 BSWM-94	Buenavista SWIP	VI	Antique	Belison	D/D
90 BSWM-95	Dita I SWIP	VII	Bohol	Ubay	D/D
91 BSWM-96	Dita II SWIP	VII	Bohol	Ubay	D/D
92 BSWM-97	San Jose SWIP	VII	Bohol	Mabini	D/D
93 BSWM-98	Sto. Nino SWIP ^{1/}	VII	Bohol	Talibon	D/D

Remarks: 1/: OECF Candidate Projects; 2/: Projects to be funded by CARR;
3/ Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.1 List of Qualified Projects (5/5)

No.	Agency No.	Project Name	Region	Province Name	Municipality Name	Present Status
94	BSWM-99	Nangka SWIP ^{1/}	VII	Negros Oriental	Bayawan	D/D
95	BSWM-100	Bagtic SWIP	VII	Negros Oriental	Mabinay	D/D
96	BSWM-101	Nabilog SWIP	VII	Negros Oriental	Ayungon	D/D
97	BSWM-102	Bong-Bong I SWIP	VII	Bohol	Ubay	D/D
98	BSWM-103	Bong-Bong II SWIP	VII	Bohol	Ubay	D/D
99	BSWM-108	Jubasan SWIP	VIII	Northern Samar	Allen	D/D
100	BSWM-109	Casabahan SWIP	VIII	Western Samar	Gandara	D/D
101	BSWM-110	Inamburacay SWIP ^{1/}	VIII	Northern Samar	Bobon	D/D
102	BSWM-111	Sta. Fe SWIP ^{1/}	VIII	Western Samar	Borongon	D/D
103	BSWM-112	Campin SWIP ^{1/}	VIII	Leyte	Mahaplag	D/D
104	BSWM-113	Laboon SWIP	VIII	Southern Leyte	Maasin	D/D
105	BSWM-114	Polanqui SWIP ^{1/}	VIII	Eastern Samar	Taft	D/D
106	BSWM-115	Tabawan SWIP	VIII	Western Samar	Tabawan, Calbayog City	D/D
107	BSWM-117	Woodland SWIP ^{1/}	IX	Zamboanga del Sur	Begong, Dumalinao	D/D
108	BSWM-118	Sumadat SWIP	IX	Zamboanga del Sur	Dumalinao	D/D
109	BSWM-119	Lungnot SWIP	IX	Zamboanga del Sur	Dumalinao	D/D
110	BSWM-120	Lamare I SWIP ^{1/}	IX	Zamboanga del Sur	Bayog	D/D
111	BSWM-121	Lamare II SWIP	IX	Zamboanga del Sur	Bayog	D/D
112	BSWM-122	Buenavista SWIP	IX	Zamboanga del Sur	Curuan	D/D
113	BSWM-123	Goling SWIP	IX	Zamboanga del sur	Diplahan	D/D
114	BSWM-124	Lubuangan SWIP	X	Bukidnon	Kibawe	D/D
115	BSWM-125	Alubijid SWIP	X	Agusan del Norte	Buenavista	D/D
116	BSWM-126	Balibayan SWIP	X	Surigao del Norte	Brgy. Rizal, Surigao	D/D
117	BSWM-127	Apulang SWIP	X	Bukidnon	Kibawe	D/D
118	BSWM-128	Talao-ao SWIP	X	Agusan del Norte	Buenavista	D/D
119	BSWM-129	Dumalagan SWIP	X	Agusan del Norte	Butuan City	D/D
120	BSWM-130	Mintu-od SWIP	X	Agusan del Norte	Buenavista	D/D
121	BSWM-131	Malapong SWIP ^{1/}	X	Agusan del Norte	Buenavista	D/D
122	BSWM-132	Talaganahao SWIP	X	Agusan del Norte	Buenavista	D/D
123	BSWM-133	Kitao-tao SWIP ^{1/}	X	Bukidnon	Kitao-tao	D/D
124	BSWM-134	San Rafael ^{1/}	XI	Davao Oriental	Cateel	D/D
125	BSWM-135	Bukay-pait SWIP ^{1/}	XI	South Cotabato	Tantangan	D/D
126	BSWM-136	Libudon SWIP	XI	Davao Oriental	Mati	D/D
127	BSWM-137	Dumdalig SWIP	XI	South Cotabato	Tantangan	D/D
128	BSWM-138	Libasan SWIP	XI	Davao del Norte	Nabunturan	D/D
129	BSWM-139	Florida SWIP ^{1/}	XI	Davao del Norte	Capalong	D/D
130	BSWM-140	Daunan SWIP	XI	Davao del Norte	Montevista	D/D
131	BSWM-141	San Nicolas SWIP ^{1/}	XI	Davao del Sur	Digos	D/D
132	BSWM-142	Bolton SWIP	XI	Davao del Sur	Malalag	D/D
133	BSWM-143	Pedtap SWIP ^{1/}	XII	North Cotabato	Cabacan	D/D
134	BSWM-144	Looy SWIP	XII	Maguindanao	South Upi	D/D
135	BSWM-145	Dalingawen SWIP ^{1/}	XII	North Cotabato	Pikit	D/D
136	BSWM-146	Tinibtiban SWIP	XII	North Cotabato	Pikit	D/D
137	BSWM-147	Busok SWIP	XII	Sultan Kudarat	Bagumbayan	D/D
138	BSWM-149	Lancheta SWIP ^{1/}	XII	Sultan Kudarat	Tacurong	D/D
139	BSWM-150	New Carmen SWIP	XII	Sultan Kudarat	Tacurong	D/D
140	BSWM-151	Malagakit SWIP	XII	North Cotabato	Pigcawayan	D/D

Remarks: ^{1/}: OECF Candidate Projects; ^{2/}: Projects to be funded by CARP;
^{3/}: Project funded by JICA Grant Aid. ^{4/}: Projects funded by ADB.

Table C.4.2 List of Disqualified Projects (1/3)

Agency No.	Agency No.	Project Name	Region	Province Name	Municipality Name	Disqualified Condition
DPWH						
1	DPWH-4	Bulu Dam & Reservoir	III	Bulacan	Malibay, San Miguel	I.A. (1,000ha)
2	DPWH-5	Aulo River Multi-Purpose ^{1/}	III	Nueva Ecija	Palayan City	I.A. (775ha)
3	DPWH-10	Nabua Dam & Reservoir	V	Canarines Sur	Iriga City	I.A. (550ha)
4	DPWH-12	Macagtas Dam & Reservoir ^{1/}	VIII	Northern Samar	Cataman	I.A. (510ha)
NIA						
1	NIA-1	Banila SWIP ^{1/}	I	Pangasinan	Umingan	I.A. (1,685ha)
2	NIA-2	Cabacanan SWIP ^{2/}	I	Ilocos Norte	Pagudpud	I.A. (850ha)
3	NIA-3	San Clemente SWIP ^{2/}	III	Tarlac	San Clemente	I.A. (1,160ha)
4	NIA-5	Tagum-Angas SWIP ^{1/}	IV	Marinduque	Sta. Cruz	I.A. (530ha)
5	NIA-8	Alapasco SWIP	VI	Iloilo	Batad	I.A. (680ha)
6	NIA-13	Hibulangan SWIP	VIII	Northern Leyte	Matagob	I.A. (3,000ha)
7	NIA-24	Bayacas SWIP	I	Pangasinan	Aguilar	I.A. (1,250ha)
8	NIA-28	Toboy SWIP	I	Pangasinan	San Manuel	I.A. (2,000ha)
9	NIA-30	Labayug SWIP	I	Pangasinan	Sison	I.A. (960ha)
10	NIA-109	Tibu SWIP	III	Pampanga	Porac	I.A. (740ha)
11	NIA-137	Talibon SWIP ^{2/}	VII	Bohol	Zamora, Talibon	I.A. (1,000ha)
12	NIA-151	Bayawan SWIP	VII	Negros Oriental	Bayawan	C.A., I.A., D.C.
13	NIA-153	Mabinay SWIP	VII	Negros Oriental	Mabinay	C.A., I.A., D.C.
14	NIA-155	Guihulngan SWIP	VII	Negros Oriental	Guihulngan	I.A. (590ha)
15	NIA-156	Hibaiyo SWIP	VII	Negros Oriental	Guihulngan	I.A. (530ha)
16	NIA-159	Tambolan SWIP	VII	Negros Oriental	Tayasan	I.A. (1,080ha)
17	NIA-160	Valencia SWIP	VII	Negros Oriental	Valencia	I.A. (520ha)
18	NIA-161	Senora SWIP	VII	Siquijor	Lazi	I.A. (730ha)
FMB						
1	FMB-1	Amburayan River Watershed	I	Ilocos Sur, Benguet, La Unio		No dam/reserv
2	FMB-2	Laoag River Watershed Rehab.	I	Ilocos Norte	Espiritu, Nueva Era & Piddig	No dam/reserv
3	FMB-3	Ilocos Norte Metropolitan Forest Reser.	I	Ilocos Norte	Pastuquin	No dam/reserv
4	FMB-4	Lidlidda Watershed Foreset	I	Ilocos Sur	Banayoyo, Lidlidda	No dam/reserv
5	FMB-5	Naguilian River Watershed	I	La Union	Naguilian	No dam/reserv
6	FMB-11	Kasibu River Watershed	II	Nueva Vizcaya	Kasibu	No dam/reserv
7	FMB-12	Bawa and Wangag Watershed	II	Cagayan	Gonzaga	No dam/reserv
8	FMB-14	Barobbob Spring Watershed	II	Nueva Vizcaya	Barobbob	No dam/reserv
9	FMB-15	Sta. Praxedes Watershed	II	Cagayan	Sta. Praxedes	No dam/reserv
10	FMB-22	O'Donnell River Watershed ^{4/}	III	Tarlac	Capas, Mayantoc, Tarlac	No dam/reserv
11	FMB-23	Balog-Balog Watershed ^{4/}	III	Tarlac	Tarlac	No dam/reserv
12	FMB-24	Masinloc Watershed ^{1/}	III	Zambales	Candelaria	No dam/reserv
13	FMB-25	Talavera Watershed ^{4/}	III	Nueva Ecija	Carranglaan	No dam/reserv
14	FMB-26	Laguna de Bay Watershed	IV	Laguna, Cavite Rizal, Batangas		No dam/reserv

Remarks: C.A.: Catchment Area; I.A.: Irrigation Area; D.C.: Dam Cost; D.T.: Dam Type
^{1/}: OECF Candidate Projects; ^{2/}: Projects to be funded by CARP;
^{3/}: Project funded by JICA Grant Aid. ^{4/}: Projects funded by ADB.

Table C.4.2 List of Disqualified Projects (2/3)

Agency No.	Project Name	Region	Province Name	Municipality Name	Disqualified Condition
15 FMB-29	Kaliwa River Watershed	IV	Quezon Rizal	Infanta Montalban-Teresa	No dam/reservoir
16 FMB-30	Kanan River Watershed	IV	Quezon	Gen. Nakar-Infanta	No dam/reservoir
17 FMB-32	Baco-Bucayao Watershed	IV	Oriental Mindoro	Puerto Galera, Baco San Teodoro, Naujan	No dam/reservoir
18 FMB-38	Malvar Naujan Watershed	IV	Oriental Mindoro	Naujan	No dam/reservoir
19 FMB-39	Binasagan Yabo River Watershed	V	Camarines Sur	Pili	No dam/reservoir
20 FMB-41	Paray-Mambusao River Watershed	VI	Capiz	Paray	No dam/reservoir
21 FMB-43	Candijay Watershed Rehab.	VII	Bohol	Candijay-Guindulman	No dam/reservoir
22 FMB-46	Palompon Watershed Forest Res.	VIII	Leyte	Palompon	No dam/reservoir
23 FMB-49	Pasonanca Watershed Forest Res.	IX	Zamboanga del Sur	Zamboanga City	No dam/reservoir
24 FMB-51	Kulawan River Forest Reser.	XII	North Cotabato	Kidapawan	No dam/reservoir
25 FMB-54	Kinabangan Watershed Rehab.	X	Agusan del Norte	Carmen	No dam/reservoir
26 FMB-55	Digos Riparan River Watershed	XI	Davao del Sur	Digos	No dam/reservoir
27 FMB-56	Batuto Watershed	XI	Davao del Norte	New Bataan, Compostela	No dam/reservoir
1 NEA-1	Baractac River	I	Pangasinan	Mangatarem	No dam/reservoir
2 NEA-2	Cabalisan River	I	Pangasinan	San Nicolas	No dam/reservoir
3 NEA-3	San Gabriel River	I	La Union	San Gabriel	No dam/reservoir
4 NEA-4	Pogo River	I	La Union	Pogo	No dam/reservoir
5 NEA-5	Pansian River	I	Ilocos Norte	Pagudpud	No dam/reservoir
6 NEA-6	Salaza River	III	Zambales	Palauig	No dam/reservoir
7 NEA-7	Cabaluan River	III	Zambales	Sta. Cruz	No dam/reservoir
8 NEA-8	Usulan River	III	Nueva Ecija	Bongabon	No dam/reservoir
9 NEA-9	Ukizwan Falls ^{1/}	II	Nueva Vizcaya	Solano	No dam/reservoir
10 NEA-10	Bagsit River	III	Zambales	Palauig	No dam/reservoir
11 NEA-11	Bancal River	III	Zambales	Iba	No dam/reservoir
12 NEA-12	Maapon River	IV	Quezon	Sampaloc	No dam/reservoir
13 NEA-13	Cagaycay River	V	Camarines Sur	Goa	No dam/reservoir
14 NEA-14	Tignan River	V	Camarines Sur	Calabanga	No dam/reservoir
15 NEA-15	Osiario River	V	Sorsogon	Bacon	No dam/reservoir
16 NEA-16	Itbog Falls	V	Camarines Sur	Buhi	No dam/reservoir
17 NEA-17	Sowong River	V	Camarines Sur	Buhi	No dam/reservoir
18 NEA-18	Binahugan River	V	Camarines Sur	Buhi	No dam/reservoir
19 NEA-19	Inarihan River	V	Camarines Sur	Naga City	No dam/reservoir
20 NEA-20	Ranggas River	V	Sorsogon	Sorsogon	No dam/reservoir
21 NEA-21	Ranggas River	V	Camarines Sur	Goa	No dam/reservoir
22 NEA-22	Manitchan River	V	Albay	Manito	No dam/reservoir
23 NEA-23	Sibulan River	V	Sorsogon	Bacon	No dam/reservoir
24 NEA-24	Maragandang River	VI	Negros Occidental	Bago	No dam/reservoir
25 NEA-25	Dalanas River	VI	Antique	Barbeza	No dam/reservoir
26 NEA-26	Tibiao River	VI	Antique	Tibiao	No dam/reservoir
27 NEA-27	Silab #2 (Amlan River)	VII	Negros Oriental	Amlan	No dam/reservoir
28 NEA-28	Amulod River II ^{1/}	VII	Negros Oriental	Bindoy	No dam/reservoir
29 NEA-29	Balan Lake	VII	Negros Oriental	Siaton	No dam/reservoir

Keys: C.A.: Catchment Area; I.A.: Irrigation Area; D.C.: Dam Cost; D.T.: Dam Type

1/: OECF Candidate Projects; 2/: Projects to be funded by CARP;

3/: Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.2 List of Disqualified Projects (3/3)

Agency No.	Project Name	Region	Province Name	Municipality Name	Disqualification Condition
30 NEA-30	Calo River #1	VII	Negros Oriental	San Jose	No dam/reser
31 NEA-31	Calo River #2	VII	Negros Oriental	San Jose	No dam/reser
32 NEA-32	Calo River #3	VII	Negros Oriental	San Jose	No dam/reser
33 NEA-33	Bugtong Falls	VIII	Samar	Calbayog City	No dam/reser
34 NEA-34	Cantingas River SWIP	IV	Romblon	San Fernando	No dam/reser
35 NEA-35	Calabgan River SWIP	IV	Aurora	Casiguran	No dam/reser
36 NEA-36	Estrella Falls SWIP	IV	Palawan	Narra	No dam/reser
37 NEA-37	Manalili River SWIP	IV	Palawan	Narra	No dam/reser
38 NEA-38	Tarabanan River SWIP	IV	Palawan	Puerto Princesa City	No dam/reser
39 NEA-39	Magcasa Falls SWIP	VIII	Southern Leyte	San Juan	No dam/reser
40 NEA-40	Mauo River SWIP	VIII	Northern Samar	San Isidro	No dam/reser
41 NEA-41	Tinuy-an Falls SWIP	XI	Surigao del Sur	Bislig	No dam/reser
42 NEA-42	Hubo River SWIP	XI	Surigao del Sur	San Agustin	No dam/reser
43 NEA-43	Kanapnapan Falls SWIP	XII	Lanao del Sur	Malabang	No dam/reser
44 NEA-44	Matling River SWIP	XII	Lanao del Sur	Malabang	No dam/reser
45 NEA-45	Bongabon River SWIP	IV	Oriental Mindoro	Hagan, Bongabon	No dam/reser
46 NEA-46	Ditumabo River SWIP	IV	Aurora	Ma. Aurora	No dam/reser
47 NEA-47	Batalan River SWIP	III	Bataan	Morong	No dam/reser
BSWM					
1 BSWM-53	Baguinge SWIP	CAR	Ifugao	Kiangan	D.T. (divers
2 BSWM-54	Halog SWIP	CAR	Ifugao	Nayon, Lanut	D.T. (divers
3 BSWM-55	Paku SWIP	CAR	Ifugao	Nayon, Lanut	D.T. (divers
4 BSWM-148	Kalandagan SWIP	XII	Sultan Kudarat	Tacurong	I.A. (530ha)
5 BSWM-152	San Juan Overflow Dam	VIII	Southern Leyte	San Juan	D.T. (overfi

Remarks: C.A.: Catchment Area; I.A.: Irrigation Area; D.C.: Dam Cost; D.T.: Dam Type

1/: OECF Candidate Projects; 2/: Projects to be funded by CARP;

3/: Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.3 List of Candidate Projects without Existing Studies (1/4)

Agency No.	Project Name	Region	Province Name	Municipality Name
DPWH				
1 DFWH-23	Santor Dam	II	Isabela	Santa Maria
2 DFWH-24	Carmencita Dam	II	Isabela	Magsaysay
3 DFWH-29	San Rafael SWIP (FSDC)	VI	Antique	San Remigio
4 DFWH-30	Consolacion SWIP (FSDC)	VII	Cebu	Cansaga
5 DFWH-31	Lantawan SWIP (FSDC)	IX	Zamboanga del Sur	Mahayag
6 DFWH-32	Bankerohan SWIP (FSDC)	XI	Davao del Norte	Montevista
NIA				
1 NIA-10	Dumanjug Ronda SWIP	VII	Cebu	Dumanjug and Ronda
2 NIA-16	Dongdongla SWIP	I	Ilocos Norte	Bengui
3 NIA-17	Bucog Balingaoan SWIP	I	Ilocos Sur	Candon
4 NIA-18	Canillas Extension SWIP	I	Ilocos Sur	Cervantes
5 NIA-19	Silag Pacang SWIP	I	Ilocos Sur	Sta. Maria
6 NIA-33	Nagtupacan SWIP	CAR	Abra	Bucay
7 NIA-34	Nagtipulan SWIP	CAR	Abra	Lagangilang
8 NIA-35	Palsiguan SWIP	CAR	Abra	Lagayan
9 NIA-36	Atok Central SWIP	CAR	Benguet	Atok
10 NIA-37	Kapangan SWIP	CAR	Benguet	Kapangan
11 NIA-38	Sagubo SWIP	CAR	Benguet	Kapangan
12 NIA-39	Tublay Central SWIP	CAR	Benguet	Tublay
13 NIA-40	Pandey SWIP	CAR	Mt. Province	Bagnen, Bauko
14 NIA-41	Lake Danum SWIP	CAR	Mt. Province	Besao
15 NIA-42	Burayok SWIP	CAR	Mt. Province	Palitud, Paracelis
16 NIA-43	Bayangaoan SWIP	CAR	Mt. Province	Suyo, Sagada
17 NIA-44	Labangan River SWIP	III	Bataan	Abucay
18 NIA-45	Tangilad River SWIP	III	Bataan	Samal
19 NIA-46	Capalangan-Mahipon CIS	III	Nueva Ecija	Gapan
20 NIA-50	Agupalo Este CIP	III	Nueva Ecija	Lupao
21 NIA-51	San Roque CIP	III	Nueva Ecija	Lupao
22 NIA-52	Sta. Nino III CIP	III	Nueva Ecija	Lupao
23 NIA-54	Cabu CIP	III	Nueva Ecija	Sta. Rosa
24 NIA-60	Western Barrios Impounding ^{3/}	III	Tarlac	Tarlac
25 NIA-61	Pamalasan Creek SWIP	III	Zambales	Botolan
26 NIA-62	Tutolanam Creek SWIP	III	Zambales	Botolan
27 NIA-63	Nammel River SWIP	III	Zambales	Cabangan
28 NIA-64	Tabao-Tabao River SWIP	III	Zambales	Cabangan
29 NIA-65	Baculi Creek SWIP	III	Zambales	Iba
30 NIA-66	Tagaleg Creek SWIP	III	Zambales	Iba
31 NIA-67	Batang Creek SWIP	III	Zambales	Masinloc
32 NIA-68	Bato Creek SWIP	III	Zambales	Palauig
33 NIA-69	Naglabusan Creek SWIP	III	Zambales	San Antonio
34 NIA-70	Patogo River & Nayan River SWIP	III	Zambales	Sta. Cruz
35 NIA-71	Mapangw Creek SWIP	III	Zambales	Subic
36 NIA-73	Bahi CIP	IV	Marinduque	Gasan
37 NIA-74	Quinlogan River SWIP	IV	Palawan	Quezon

Remarks: 1/: OECF Candidate Projects; 2/: Projects to be funded by CARP;
3/: Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.3 List of Candidate Projects without Existing Studies (2/4)

Agency No.	Project Name	Region	Province Name	Municipality Name
38 NIA-75	Singalong SWIP	IV	Rizal	Antipolo
39 NIA-76	Carolina SWIP	IV	Romblon	Looc
40 NIA-77	Gabawan SWIP	IV	Romblon	Odiangan
41 NIA-78	Inogma-Inaracting CIP	V	Albay	Libon
42 NIA-79	Allang CIP	V	Albay	Ligao
43 NIA-80	Nahulugan Pasig SWIP	V	Camarines Sur	Garchitorena
44 NIA-81	Rangas SWIP	V	Camarines Sur	Goa
45 NIA-82	Anib SWIP	V	Camarines Sur	Sipocot
46 NIA-83	Tinawagan SWIP	V	Camarines Sur	Tigaon
47 NIA-84	Guinobatan CIP	V	Catanduanes	Bato
48 NIA-85	Comacayay CIP	V	Catanduanes	Calolbon
49 NIA-86	Paturuc CIP	V	Catanduanes	Calolbon
50 NIA-87	Canburo CIP	V	Catanduanes	Pandan
51 NIA-88	Palawig CIP	V	Catanduanes	San Andres
52 NIA-89	Binalwaan CIP	V	Catanduanes	Viga
53 NIA-90	Casuocan CIP	V	Catanduanes	Virac
54 NIA-91	Hawan CIP	V	Catanduanes	Virac
55 NIA-92	Marilina CIP	V	Catanduanes	Virac
56 NIA-93	Palta SWIP	V	Catanduanes	Virac
57 NIA-94	Patabig CIP	V	Catanduanes	Virac
58 NIA-95	Sinamla CIP	V	Catanduanes	Virac
59 NIA-96	Inbanihan CIP	V	Masbate	Balud
60 NIA-105	Tigao SWIP	V	Masbate	San Fernando
61 NIA-110	Botong CIP	V	Sorsogon	Prieto-Diaz
62 NIA-113	Cabatang SWIP	VII	Bohol	Alicia
63 NIA-114	Camba-ol SWIP	VII	Bohol	Alicia
64 NIA-115	Cayacay SWIP	VII	Bohol	Cayacay, Alicia
65 NIA-116	Junas SWIP	VII	Bohol	Alicia
66 NIA-117	Progreso SWIP	VII	Bohol	Alicia
67 NIA-118	Untaga SWIP	VII	Bohol	Alicia
68 NIA-123	Boyo-an SWIP	VII	Bohol	Candijay
69 NIA-124	Calamingaw SWIP	VII	Bohol	Candijay
70 NIA-125	Cambane SWIP	VII	Bohol	Candijay
71 NIA-126	Candijay SWIP	VII	Bohol	Candijay
72 NIA-127	Gabayan SWIP	VII	Bohol	Canana, Candijay
73 NIA-129	Tubod SWIP	VII	Bohol	Candijay
74 NIA-134	Cabidian SWIP	VII	Bohol	Mabini
75 NIA-135	Cabulao SWIP	VII	Bohol	Mabini
76 NIA-140	Cabulihan SWIP	VII	Bohol	Tubigon
77 NIA-142	Benlin SWIP	VII	Bohol	Benlin, Ubay
78 NIA-143	Bongbong SWIP	VII	Bohol	Ubay
79 NIA-144	Dita SWIP	VII	Bohol	Ubay
80 NIA-145	Lamangog SWIP	VII	Bohol	Ubay
81 NIA-146	Tipolo SWIP	VII	Bohol	Ubay
82 NIA-162	Sinacolong CIP	VII	Siquijor	Lazi
83 NIA-164	Lotlotan SWIP	VII	Siquijor	Maria

Remarks: 1/: OECF Candidate Projects; 2/: Projects to be funded by CARP;
3/: Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.3 List of Candidate Projects without Existing Studies (3/4)

Agency No.	Project Name	Region	Province Name	Municipality Name
84 NIA-165	Domanjog SWIP	VII	Siquijor	Siquijor
85 NIA-166	Songcolan CIP	VII	Siquijor	Siquijor
86 NIA-167	Balacdas CIP	VIII	Eastern Samar	Borongan
87 NIA-168	Cati-an CIP	VIII	Eastern Samar	Borongan
88 NIA-169	Sta. Fe SWIP	VIII	Eastern Samar	Borongan
89 NIA-170	Guibuangan CIP	VIII	Eastern Samar	Can-Avid
90 NIA-171	Cantunco SWIP	VIII	Eastern Samar	Llorente
91 NIA-172	Capatagan SWIP	VIII	Eastern Samar	Llorente
92 NIA-173	Layog-Casoroy CIP	VIII	Eastern Samar	San Julian
93 NIA-174	Surok-Nena CIP	VIII	Eastern Samar	San Julian
94 NIA-175	Sta. Tomas SWIP	VIII	Eastern Samar	Sulat
95 NIA-176	Nato CIP	VIII	Eastern Samar	Taft
96 NIA-177	San Luis CIP	VIII	Eastern Samar	Taft
97 NIA-178	Taft CIP	VIII	Eastern Samar	Taft
98 NIA-179	Macagtas SWIP	VIII	Northern Samar	Cataman
99 NIA-180	Galutan SWIP	VIII	Northern Samar	Mondragon
100 NIA-181	Jazimines CIP	VIII	Samar	Gandara
101 NIA-182	Nacobi CIP	VIII	Samar	Gandara
102 NIA-183	Rawis CIP	VIII	Samar	Gandara
103 NIA-184	Blanca Aurora SWIP	VIII	Samar	San Jorge
104 NIA-185	Sta. Rita CIP	VIII	Samar	Sta. Rita
105 NIA-189	Pasanon SWIP	VIII	Southern Leyte	San Francisco
106 NIA-191	Mercedez CIP	IX	Zamboanga City	
107 NIA-192	Basag CIS	X	Agusan del Norte	Basag Creek
108 NIA-193	Bombon CIS	X	Agusan del Norte	Bombon Creek
109 NIA-194	Anontay CIS	X	Agusan del Norte	Tagub Creek
110 NIA-195	Kitcharao CIS	X	Agusan del Norte	Taytay-Oyos Creek
111 NIA-196	Cabanglasan CIP	X	Bukidnon	Cabanglasan
112 NIA-197	Dela Paz CIS	X	Misamis Occidental	Mohon Creek
113 NIA-198	Tangub CIS	X	Misamis Occidental	Tangub River
114 NIA-199	Balingasag CIP	X	Misamis Oriental	Balatumcam River
115 NIA-200	Banglay CIP	X	Misamis Oriental	Banglay Creek
116 NIA-201	Honopolitan CIP	X	Misamis Oriental	Honopolitan Creek
117 NIA-202	Gumad CIP	X	Misamis Oriental	Gumad Lake
118 NIA-203	Sta. Ana CIP	X	Misamis Oriental	Sta. Ana Creek
119 NIA-204	Solana CIP	X	Misamis Oriental	Solana River
120 NIA-205	Bulod SWIP	XII	Lanao del Norte	
121 NIA-206	Salug SWIP	XII	Lanao del Norte	
122 NIA-207	Busok SWIP	XII	Sultan Kudarat	Bagumbayan
123 NIA-208	Marbol SWIP	XII	Sultan Kudarat	Bagumbayan
124 NIA-209	Muro SWIP	XII	Sultan Kudarat	Bagumbayan
125 NIA-210	Bila SWIP	XII	Sultan Kudarat	Coimbio
126 NIA-211	Cadedang SWIP	XII	Sultan Kudarat	Lutawan
127 NIA-212	Kalandagan SWIP	XII	Sultan Kudarat	Tacurong
128 NIA-213	Futi SWIP	XII	Sultan Kudarat	Tacurong

Remarks: 1/: OECF Candidate Projects; 2/: Projects to be funded by CARP;
3/: Project funded by JICA Grant Aid. 4/: Projects funded by ADB.

Table C.4.3 List of Candidate Projects without Existing Studies (4/4)

Agency No.	Project Name	Region	Province Name	Municipality Name
FMB				
1 FMB-6	Lower Agno River Watershed Rehab. ^{4/}	I	Benguet	Tuba
			Pangasinan	San Nicolas & San Mateo
2 FMB-7	Alaminos Watershed Rehabilitation	I	Pangasinan	Alaminos
3 FMB-8	Mangatarem Sub-Watershed Rehabilitation	I	Pangasinan	Mangatarem
4 FMB-9	Demmun River Watershed Rehabilitation	II	Cagayan	Gattaran
5 FMB-10	Diadi River Watershed Rehabilitation	II	Cagayan	San Luis
6 FMB-13	Kilkiling Watershed Forest Reserve	II	Cagayan	Claveria
7 FMB-16	Casecnan Watershed Rehabilitation	II	Nueva Vizcaya	Dupax
8 FMB-17	Sinapaoan Sub-Watershed Rehabilitation	II	Nueva Vizcaya	Sta. Fe
9 FMB-18	Manga River Watershed Rehabilitation	II	Nueva Vizcaya	Dupax del Norte
10 FMB-19	Mariveles Watershed Rehabilitation	III	Bataan	Orion, Bagac, Ldmay
11 FMB-20	Pasig-Timbu Potrero River Water. Rehab.	III	Pampanga	Porac, Bacolor
12 FMB-21	Tangbao Sub-Watershed Rehab.	III	Tarlac	Mayantoc
13 FMB-27	Agos River Watershed Rehabilitation	IV	Quezon	Infanta
14 FMB-28	Atimonan Watershed Forest Reserve	IV	Quezon	Atimonan
15 FMB-31	Lake Buhi-Barit River Watershed Rehab.	V	Camarines Sur	Buhi
16 FMB-33	Alabat Watershed Rehabilitation	IV	Quezon	Alabat
17 FMB-34	Calatrava-San Andres-San Agustin Watershed Forest Reserve	IV	Ronblon	San Agustin-San Andres
18 FMB-35	Dipaculao Watershed Rehabilitation	IV	Quezon	Dipaculao
19 FMB-36	Dulangan Sub-Watershed Erosion Con.Proj.	IV	Oriental Mindoro	Eaco
20 FMB-37	Sablayan Watershed Pilot Project ^{4/}	IV	Occidental Mindoro	Sablayan
21 FMB-40	Ilog-Nivarangan River Watershed Rehab.	VII	Negros Oriental	Ilog
22 FMB-42	San Pedro Ilaya & Cansohay River Water.	VII	Bohol	Duero
23 FMB-44	Catubig River Watershed Rehab.	VIII	Northern Samar	Palapag, Laoang, Catubig
24 FMB-45	Candacan-Tinane-Ulot River Water. Rehab.	VIII	Eastern-Western Samar	Wright, Can-Avid
25 FMB-47	Curuan Watershed Rehabilitation ^{4/}	IX	Zamboanga del Sur	Curuan, Zamboanga City
26 FMB-48	Siocon Watershed Rehabilitation	IX	Zamboanga del Norte	Siocon
27 FMB-50	Ubungan River Watershed Rehabilitation	XII	North Cotabato	Midsayap
28 FMB-52	Labangan Watershed Rehab. Project	IX	Zamboanga del Sur	Labangan, Pagadian City
29 FMB-53	Upper Salug watershed Rehab. Project	X	Misamis Occidental	Mamayog, Molave,
BSWM				
1 BSWM-22	Camagsingalan #2 SWIP	I	Pangasinan	Sual
2 BSWM-81	Sayab SWIP	IV	Palawan	Bataraza
3 BSWM-104	Calanggaman I SWIP	VII	Bohol	Ubay
4 BSWM-105	Katipunan SWIP	VII	Bohol	Carmen
5 BSWM-106	Buyog SWIP	VII	Bohol	Valencia
6 BSWM-107	Calinganay SWIP	VII	Bohol	Alicia
7 BSWM-116	Dau-Oras SWIP	VIII	Eastern Samar	Oras

Remarks: 1/: OECF Candidate Projects; 2/: Projects to be funded by CARP; 3/: Project funded by JICA Grant
4/: Projects funded by ADB.

ANNEX D

PRIORITY RANKING OF SWIM PROJECTS

ANNEX D PRIORITY RANKING OF SWIM PROJECTS

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ANNEX D PRIORITY RANKING OF SWIM PROJECTS

1. WORK FLOW OF PRIORITY RANKING

The following steps were taken for priority ranking of the qualified projects:

- (1) The evaluation factor was selected. The factor was limited to those mentioned in the existing project reports. No additional data collection and/or investigation was made.
- (2) The project data of each factor were analyzed using the computerized database which had been prepared in the inventory survey.
- (3) The scoring system for each factor was prepared.
- (4) The costs and benefits of the projects were reviewed, and "Economic Internal Rate of Return" of each project was re-calculated in a unified condition.
- (5) The scores of each project was calculated in accordance with the above scoring system. The projects were tentatively classified into Group "A" and Group "B" by scores. Projects in Group "A" will be implemented within the first five (5) years of ten-year action program while those in Group "B" will be implemented within the second five (5) years.
- (6) The preliminary prioritization of the projects was adjusted considering necessary factors such as (i) total number of projects to be implemented during next 10 years, (ii) reasonable share of the budget among implementing agencies, (iii) equal distribution of the projects by Region, etc.

The work flow of priority ranking is shown on Fig.D.1.1.

2. CRITERIA FOR PRIORITY RANKING

2.1 Factors for Evaluation of Priority Ranking

The following (1) technical, (2) economical/financial and (3) social/environmental factors were applied for priority ranking of the qualified projects:

(1) Factors for Evaluation of Technical Soundness

- 1) Water Resources Reliability Factor:
(Drainage Area x Annual Rainfall)/Storage Capacity
- 2) Storage Efficiency of Reservoir:
Effective Storage Capacity/Embankment Volume
- 3) Unit Construction Cost of Dam:
Dam Construction Cost/Embankment Volume
- 4) Unit Cost of Reservoir Water:
Dam Construction Cost/Storage Capacity
- 5) Effect of Flood Control:
(Reservoir Area at full water level x Overflow depth)/Drainage Area
- 6) Degree of Technical Difficulties for Construction:
Length of access road, availability of embankment materials, easiness of foundation treatment, diversion works and closure of river will be considered.

(2) Factors for Evaluation of Economic/Financial Viability

- 1) Economic Internal Rate of Return:
(to be re-calculated based on updated costs and benefits)

- 2) Employment Opportunity:
Direct Construction Cost/Unit Labor Cost
- 3) Number of Project Beneficiaries:
Irrigation Area, Installed Capacity of Mini-hydropower, Water Supply Capacity
- 4) Repayment Capacity of Project Beneficiaries:
Increase of Annual Income/(Amortization + Annual O&M Costs)
- 5) Annual Fund Requirement:
Dam Construction Cost/Construction Period

(3) Factors for Evaluation of Social/Environmental Impacts

- 1) Equitable Distribution of Income:
Income Level of Municipality where the Project is located
- 2) Relation with CARP:
The Priority Provinces in terms of Project Development and Implementation of the CARP Program
- 3) Degree of Land Acquisition Problem:
Agricultural Land in the Proposed Reservoir Area
- 4) Environmental Impacts:
Reservoir Area

The above factors were analyzed, and the results were shown in Table D.2.1.

2.2 Scoring System of Priority Ranking

The following formula were applied for the rating the priority of the qualified SWIM projects (for details, Table D.2.2 to be referred):

Formula for Project Rating

(1) $PR = 30\%TS + 40\%EV + 30\%SE$

where,

PR = Project Rating

TS = Merit Point of Technical Soundness

EV = Merit Point of Economic/Financial Viability

SE = Merit Point of Social/Environmental Viability

(2) $TS = 20\%RF + 20\%SE + 10\%CD + 10\%CW + 20\%FC + 20\%TD$

where,

TS = Technical Soundness

RF = Water Resources Reliability Factor

SE = Storage Capacity

CD = Unit Cost of Dam Construction

CW = Unit Cost of Reservoir Water

FC = Effect of Flood Control

TD = Degree of Technical Difficulties for Construction

(3) $EV = 40\%IR + 10\%EO + 10\%PB + 30\%RB + 10\%FR$

where,

EV = Economic/Financial Viability

IR = Economic Internal Rate of Return

EO = Increase of Employment Opportunity

PB = Number of Project Beneficiaries

RB = Repayment Capacity of Beneficiaries

FR = Annual Fund Requirement

(4) $SE = 33\%DI + 33\%RC + 17\%LA + 17\%EP$

where,

SE = Social/Environmental Impacts

DI = Equitable Distribution of Income

RC = Relation with CARP

LA = Degree of Land Acquisition Problem

EP = Environmental Impacts

3. REVIEW OF COSTS AND BENEFITS AND RE-CALCULATION OF EIRR

3.1 Review of Project Costs and Benefits

In order to compare the economic viability under unified conditions, the costs and benefits of 230 "qualified projects" were reviewed and updated on the following premises :

(1) Costs

- (a) The work volume of the projects are not revised in principle. However, in case that a project has apparent technical faults (e.g. costs for foundation treatment are not included despite of the necessity), necessary works are additionally estimated,
- (b) The unified method is applied for cost estimates. That is: (i) unification of cost items and (ii) unification of calculation of each item,
- (c) Unit cost of each work item is estimated at 1989 current price,
- (d) Cost estimates are made on a local competitive bidding basis using prevailing local prices, and
- (e) Costs are estimated in local currency (pesos).

(2) Benefits

- (a) Economic benefits are estimated at 1989 current price only for irrigation, mini-hydropower, domestic water supply and inland fisheries,
- (b) In the calculation of irrigation benefit, cropping pattern is assumed to be paddy-paddy double cropping, but cropping intensity is not changed. The estimated standard benefits per ha is applied

to all of the projects which have an irrigation component,

- (c) In the calculation of mini-hydropower benefit, the proposed installed capacity of power generation is not revised. The estimated standard benefits per kW and kWh are applied to all of the projects which have a mini-hydropower component,
- (d) In the calculation of domestic water supply, costs for alternative deep well development are considered as benefit,
- (e) In the calculation of inland fishery benefit, the estimated standard benefit per ha of reservoir area is applied to all projects, and
- (f) The production foregone which is counted as negative benefits, is estimated on the basis of the existing agricultural land use in the prospective reservoir area.

The detailed explanation and results on the above are shown in ANNEX H "COST AND BENEFITS ESTIMATES AND RE-CALCULATION OF ECONOMIC INTERNAL RATE OF RETURN (EIRR)".

3.2 Re-calculation of "Economic Internal Rate of Return"

In order to make relative comparison of economic viability among the qualified projects, the economic internal rate of return (EIRR) was re-calculated based on the following assumptions:

- (1) Project Life : 25 years after completion of construction,
- (2) Economic Costs : The price contingencies, taxes and other transfer payments are excluded from the estimated financial costs, and the financial costs are further shadow-priced at 1.2 for currency portion and 0.6 for unskilled labor,

(3) Economic Benefits : Although the SWIM Projects have manifold types of benefits, only those accrued from irrigation, mini-hydropower, domestic water supply, and inland fishery are calculated as economic benefits. Other indirect and intangible benefits are not included in the calculation of EIRR. The estimated production losses in the prospective reservoir areas are deducted from the project benefits.

The detailed explanation and results on the above are shown in ANNEX H.

4. PRIORITY RANKING OF SWIM PROJECTS

The priority ranking of 230 projects was made by using the "Criteria of Priority Ranking". The grouping of projects by priority, however, was made according to the following conditions and/or procedures:

- (1) The 39 candidate projects under 14th OECF loan; 3 projects of DPWH, 5 of NIA and 31 of BSWM, were excluded from the priority ranking, then those projects were dealt with as the Group "A".
- (2) The 157 projects showing more than 10% of EIRR were divided into two groups according to the score given to each project.
- (3) The 34 projects showing less than 10% of EIRR were placed in the priority group "B", irrespective of the points each projects gained in accordance with the "Criteria".

The results of priority ranking are shown on Table D.4.1, and the summary is shown below:

Implementing Agency	Group "A"		Group "B"		Total	
	Number	%	Number	%	Number	%
DPWH	9	8	14	13	23	10
NIA	30	25	37	33	67	29
BSWM	79	67	61	54	140	61
Total	118	100	112	100	230	100

TABLES

Table D.2.1 Factors for Evaluation of Priority Ranking (1/21)
- DPWH - for Technical Soundness

No.	AGENCY	PROJECT NAME	Water Resources Reliability Factor (RF)				Storage Efficiency Factor (SE)				Unit Construction Cost of Dam (CD)				Unit Cost of Reservoir Water (CW)				Effect of Flood Control (FC)				Degree of Technical Difficulties (TD)	Rank
			RF = (A*10 ⁶)/(C/1000)	AREA (km ²)	EFFECTIVE STORAGE CAPACITY (MS)	ANNUAL RAINFALL (mm)	SE = B/D	EFFECTIVE STORAGE CAPACITY (MS)	EXPANDED VOLUME (m ³)	CD = E/D	DAM CONSTRUCTION COST (Pesos)	EXPANDED VOLUME (m ³)	E/B	DAM CONSTRUCTION COST (Pesos)	EFFECTIVE STORAGE CAPACITY (MS)	FC = E/F	DAM CONSTRUCTION COST (Pesos)	EXPANDED VOLUME (m ³)	AREA (km ²)	FC = E/F	DAM CONSTRUCTION COST (Pesos)	EXPANDED VOLUME (m ³)		
1	DPWH	1. SALTAN DAM & RESERVOIR SWIP	3	4	294,000	1,805	2	284,000	134,000	189	25,292,000	134,000	89	25,292,000	284,000	12	0.047	4	12	0.047	284,000	4	1	
2	DPWH	2. BOLD DAM & RESERVOIR SWIP	2	19	1,400,000	1,678	8	1,400,000	167,200	167	24,552,000	167,200	18	24,552,000	1,400,000	29	0.550	19	29	0.550	1,400,000	19	1	
3	DPWH	3. SACRIFICIO VALLEY DAM	8	6	182,000	2,326	4	182,000	46,690	242	11,314,000	46,690	62	11,314,000	182,000	22	0.130	6	22	0.130	182,000	6	1	
4	DPWH	6. TULARQUIN DAM & RESERVOIR	3	32	1,910,000	1,604	10	1,910,000	197,000	167	36,779,000	197,000	19	36,779,000	1,910,000	2	0.050	32	2	0.050	1,910,000	32	2	
5	DPWH	7. BERNES RIVER SWIP	8	15	730,000	3,834	5	730,000	157,509	201	31,593,000	157,509	43	31,593,000	730,000	17	0.250	15	17	0.250	730,000	15	1	
6	DPWH	8. SAN JOSE DAM	1	2	255,000	1,858	9	255,000	28,750	218	6,265,000	28,750	25	6,265,000	255,000	70	0.140	2	70	0.140	255,000	2	1	
7	DPWH	9. CUBACOR DAM & RESERVOIR SWIP	7	10	402,000	2,847	4	402,000	102,424	276	28,243,000	102,424	70	28,243,000	402,000	n.d.	n.d.	10	n.d.	n.d.	402,000	10	3	
8	DPWH	11. DEKESAC DAM & RESERVOIR SWIP	2	23	2,350,000	1,851	15	2,350,000	132,610	194	25,754,000	132,610	11	25,754,000	2,350,000	27	0.750	23	27	0.750	2,350,000	23	1	
9	DPWH	13. SAN JUAN DAM	0	1	1,700,000	3,318	15	1,700,000	111,550	127	14,163,000	111,550	8	14,163,000	1,700,000	200	0.200	1	200	0.200	1,700,000	1	1	
10	DPWH	14. GUMBA DAM & RESERVOIR SWIP	2	3	488,100	2,800	16	488,100	26,860	138	4,253,000	26,860	9	4,253,000	488,100	60	0.161	3	60	0.161	488,100	3	1	
11	DPWH	15. MAGNET DAM & RESERVOIR SWIP	4	14	755,000	1,941	3	755,000	233,640	125	29,117,000	233,640	39	29,117,000	755,000	21	0.290	14	21	0.290	755,000	14	1	
12	DPWH	16. BANAYAL DAM & RESERVOIR SWIP	7	36	1,070,000	1,986	12	1,070,000	92,250	345	33,645,000	92,250	31	33,645,000	1,070,000	11	0.400	36	11	0.400	1,070,000	36	1	
13	DPWH	17. ACOP & RESERVOIR SWIP	5	9	434,000	2,328	13	434,000	31,950	167	5,978,000	31,950	14	5,978,000	434,000	9	0.084	9	9	0.084	434,000	9	2	
14	DPWH	18. CALITILIAN DAM & RESERVOIR	4	12	755,000	2,368	6	755,000	138,088	133	18,347,000	138,088	24	18,347,000	755,000	7	0.085	12	7	0.085	755,000	12	2	
15	DPWH	19. KIDA-KIDA DAM & RESERVOIR	6	9	351,000	2,368	14	351,000	25,789	130	3,249,000	25,789	10	3,249,000	351,000	3	0.029	9	3	0.029	351,000	9	2	
16	DPWH	20. SALVACION DAM & RESERVOIR SWIP	3	5	459,000	2,368	8	459,000	58,366	99	5,769,000	58,366	13	5,769,000	459,000	8	0.041	5	8	0.041	459,000	5	2	
17	DPWH	21. SAN ANSEL DAM & RESERVOIR	8	9	261,000	2,368	7	261,000	35,640	148	5,280,000	35,640	20	5,280,000	261,000	2	0.039	9	2	0.039	261,000	9	2	
18	DPWH	22. LIGTOS SWIP	3	25	1,602,000	2,119	9	1,602,000	175,652	135	23,652,000	175,652	15	23,652,000	1,602,000	8	0.198	25	8	0.198	1,602,000	25	2	
19	DPWH	23. ABLIAN SWIP	1	6	1,386,000	1,230	18	1,386,000	75,074	111	8,314,000	75,074	6	8,314,000	1,386,000	16	0.094	6	16	0.094	1,386,000	6	2	
20	DPWH	26. CAUBERGAN SWIP	3	5	292,500	1,926	8	292,500	35,494	138	4,881,000	35,494	17	4,881,000	292,500	4	0.038	5	4	0.038	292,500	5	2	
21	DPWH	27. PALALINTA SWIP	7	12	315,000	1,926	7	315,000	42,339	150	6,330,000	42,339	20	6,330,000	315,000	3	0.055	12	3	0.055	315,000	12	2	
22	DPWH	28. CALIBAYAN SWIP	6	15	504,000	2,013	3	504,000	162,676	135	21,974,000	162,676	44	21,974,000	504,000	3	0.046	15	3	0.046	504,000	15	2	
23	DPWH	33. LIBASAN SWIP	6	4	371,861	1,804	24	371,861	15,480	359	5,554,000	15,480	15	5,554,000	371,861	n.d.	n.d.	4	n.d.	n.d.	371,861	4	2	

Table D.2.1 Factors for Evaluation of Priority Ranking (2/21)
 - DFWH - for Economic/Financial Viability

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR)	Increase of Employment during Construction (ED)	Number of Project Beneficiaries (PB)	Repayment Capacity of Beneficiaries (RB)			Annual Fund Requirement (FR)				
						Value (%)	Values (man-days)	Values (families)	RB = G/(H-I)	INCREASE OF ANNUAL INCOME (Pesos)	AMORTIZATION (Pesos)	ANNUAL O&M COST (Pesos)	ER = E/J
1	DFWH	1	SAYAN DAM & RESERVOIR SWIP	(0)	47,500	100	1.97	959,400	61,200	425,000	12,646,000	25,292,000	2
2	DFWH	2	EGLO DAM & RESERVOIR SWIP	17	55,900	430	16.59	7,399,373	263,160	182,750	12,276,000	24,552,000	2
3	DFWH	3	SACRIFICE VALLEY DAM	7	25,700	540	n.d.	0	0	133,100	5,657,000	11,314,000	2
4	DFWH	6	TULARQUIN DAM & RESERVOIR	5	82,300	350	n.d.	0	0	0	18,389,500	36,779,000	2
5	DFWH	7	BURDEOS RIVER SWIP	2	71,000	250	5.78	1,499,063	153,000	106,250	15,796,500	31,593,000	2
6	DFWH	8	SAN JOSE DAM	1	10,300	21	13.64	345,384	14,940	10,375	6,265,000	6,265,000	1
7	DFWH	9	CUBACUS DAM & RESERVOIR SWIP	11	55,500	450	12.72	5,936,288	275,400	191,250	28,243,000	28,243,000	1
8	DFWH	11	DEBESMAC DAM & RESERVOIR SWIP	12	59,000	200	17.35	3,597,750	122,400	85,000	12,877,000	25,754,000	2
9	DFWH	13	SAN JUAN DAM	15	27,400	210	17.02	3,705,683	128,520	89,250	7,081,500	14,163,000	2
10	DFWH	14	GURIBA DAM & RESERVOIR SWIP	15	11,900	60	17.35	1,079,325	36,720	25,500	2,126,500	4,253,000	2
11	DFWH	15	MAGPET DAM & RESERVOIR SWIP	15	58,100	500	17.35	8,994,375	306,000	212,500	14,558,500	29,117,000	2
12	DFWH	16	BANAYAL DAM & RESERVOIR SWIP	13	74,400	450	14.26	6,655,838	275,400	191,250	16,822,500	33,645,000	2
13	DFWH	17	ACOP & RESERVOIR SWIP	19	14,200	200	16.17	3,166,020	115,560	80,250	2,989,000	5,978,000	2
14	DFWH	18	CALILITAN DAM & RESERVOIR	7	32,300	150	19.81	3,082,073	91,800	63,750	9,173,500	18,347,000	2
15	DFWH	19	KITA-KITA DAM & RESERVOIR	29	8,100	150	23.91	2,734,290	67,500	46,875	1,674,500	3,349,000	2
16	DFWH	20	SALVACION DAM & RESERVOIR SWIP	15	12,000	125	16.71	2,044,721	72,216	50,150	2,884,500	5,769,000	2
17	DFWH	21	SAN ANGEL DAM & RESERVOIR	21	11,900	150	18.94	2,782,260	86,688	60,200	2,640,000	5,280,000	2
18	DFWH	22	LIGTOS SWIP	6	48,500	200	18.97	3,933,540	122,400	85,000	11,826,000	23,652,000	2
19	DFWH	25	ABIAN SWIP	11	15,500	100	18.73	1,942,785	61,200	42,500	4,157,000	8,314,000	2
20	DFWH	26	CATTIBAGAN SWIP	21	11,000	130	19.84	2,674,328	79,560	55,250	2,440,500	4,881,000	2
21	DFWH	27	MALINTA SWIP	12	11,700	75	20.74	1,612,991	45,900	31,875	3,165,000	6,330,000	2
22	DFWH	28	CALIRAYAN SWIP	8	39,200	200	19.20	3,981,510	122,400	85,000	10,987,000	21,974,000	2
23	DFWH	33	LIBRASAN SWIP	17	12,200	136	13.39	1,875,627	83,252	57,800	2,777,000	5,554,000	2

Table D.2.1 Factors for Evaluation of Priority Ranking (3/21)
- DPWH - for Social/Environmental Impacts

No.	AGENCY Name No.	PROJECT NAME	Equitable Distribution of Income (DI)	Relation with CARP (RC)		Degree of Land Acquisition Problem (IA)	Environmental Impacts (EI)
			Income Level	Province Name	Y or N	Agricultural Land in Reser- voir Area (ha)	Reservoir Area (ha)
1	DPWH 1	SAYTAN DAM & RESERVOIR SWIP	5	IA UNION	N	0	3
2	DPWH 2	BOLO DAM & RESERVOIR SWIP	3	KALINGA-APAYAO	N	0	26
3	DPWH 3	SACRIFICE VALLEY DAM	3	BATAAN	N	0	5
4	DPWH 6	TULARIQUIN DAM & RESERVOIR	3	PALAWAN	N	0	29
5	DPWH 7	BURDEOS RIVER SWIP	4	QUEZON	N	6.5	13
6	DPWH 8	SAN JOSE DAM	3	RIZAL	N	0	5
7	DPWH 9	CUBACUB DAM & RESERVOIR SWIP	1	RIZAL	N	0	6
8	DPWH 11	DEBESMAC DAM & RESERVOIR SWIP	4	MASBATE	N	0	49
9	DPWH 13	SAN JUAN DAM	5	NORTHERN SAMAR	N	n.d.	20
10	DPWH 14	GUIMBA DAM & RESERVOIR SWIP	1	IANA DEL SUR	N	0	12
11	DPWH 15	MAGPET DAM & RESERVOIR SWIP	3	NORTH COTABATO	N	0	7
12	DPWH 16	BANAYAL DAM & RESERVOIR SWIP	3	NORTH COTABATO	N	0	15
13	DPWH 17	ACOP & RESERVOIR SWIP	2	PANGASINAN	Y	1.8	6
14	DPWH 18	CALITILITAN DAM & RESERVOIR	3	PANGASINAN	Y	0	8
15	DPWH 19	KITA-KITA DAM & RESERVOIR	4	PANGASINAN	Y	3	10
16	DPWH 20	SALVACION DAM & RESERVOIR SWIP	3	PANGASINAN	Y	1.5	5
17	DPWH 21	SAN ANGEL DAM & RESERVOIR	3	PANGASINAN	Y	3	10
18	DPWH 22	LIGTOS SWIP	4	ILOILO	Y	7	10
19	DPWH 25	ABIAN SWIP	3	NUOVA VIZCAYA	N	0	5
20	DPWH 26	CATTEBAGAN SWIP	4	ISABELA	Y	0	7
21	DPWH 27	MALALINTA SWIP	5	ISABELA	Y	0	5
22	DPWH 28	CALUBAYAN SWIP	4	ORR. MINDORO	N	0	8
23	DPWH 33	LIBASAN SWIP	2	DAVAO DEL NORTE	Y	14	20

Table D.2.1 Factors for Evaluation of Priority Ranking (4/21)
 - NIA - for Technical Soundness (No.1)

No.	AGENCY	PROJECT NAME	Water Resources Reliability Factor (RF)				Storage Efficiency (SE)				Unit Construction Cost of Dam (CD)				Unit Cost of Reservoir Water (CR)				Effect of Flood Control (FC)	Degree of Technical Difficulties (TD)	Rank
			RF = (A*10^6) / (C/1000) / B	CATCHMENT AREA (km ²)	EFFECTIVE STORAGE CAPACITY (mb)	ANNUAL RAINFALL (mm)	SE = B/D	EFFECTIVE STORAGE CAPACITY (mb)	DAM CONSTRUCTION COST (Pesos)	REPAIRMENT VOLUME (mb)	CD = E/D	DAM CONSTRUCTION COST (Pesos)	EFFECTIVE STORAGE CAPACITY (mb)	CR = E/B	DAM CONSTRUCTION COST (Pesos)	EFFECTIVE STORAGE CAPACITY (mb)	FC = F*1000/A	RESERVOIR VOLUME (MCM)			
Name No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)				
1	NIA	4	PARGOLIA SWIP (SCHEME-I)	28	37	2,800,000	168,000	206	34,562,000	168,000	12	34,562,000	2,800,000	54	1,980	37	3				
2	NIA	6	POTOT SWIP (SCHEME-I)	10	10	3,144,000	125,830	125	15,779,000	125,830	25	15,779,000	3,144,000	77	0,794	10	1				
3	NIA	7	CARANAN SWIP	123	23	586,000	65,645	257	16,866,000	65,645	29	16,866,000	586,000	41	0,950	23	1				
4	NIA	9	NASIG-ID SWIP	26	10	466,000	160,900	234	37,729,000	160,900	81	37,729,000	466,000	11	0,102	10	2				
5	NIA	11	TUGAS SWIP	4	5	2,080,000	368,500	84	30,796,000	368,500	15	30,796,000	2,080,000	164	0,820	5	1				
6	NIA	12	ILAVA SWIP	6	10	3,370,000	232,400	165	24,508,000	232,400	7	24,508,000	3,370,000	29	0,290	10	1				
7	NIA	14	SAGISURON SWIP (SCHEME-I)	11	5	1,570,000	212,500	93	19,672,000	212,500	13	19,672,000	1,570,000	76	0,390	5	1				
8	NIA	15	BOC-CO SWIP	38	23	1,630,000	68,500	436	31,202,000	68,500	19	31,202,000	1,630,000	42	0,990	23	1				
9	NIA	20	MALOTO SWIP	13	29	5,409,000	100,300	238	23,863,000	100,300	4	23,863,000	5,409,000	48	1,396	29	2				
10	NIA	21	MAGSIPING SWIP	8	10	3,153,000	126,500	118	14,927,000	126,500	5	14,927,000	3,153,000	89	0,915	10	2				
11	NIA	22	SAN FELIPE SWIP	27	15	1,364,000	141,600	132	18,735,000	141,600	14	18,735,000	1,364,000	22	0,331	15	2				
12	NIA	23	MACABATO SWIP	8	8	682,000	82,000	146	8,017,000	82,000	12	8,017,000	682,000	32	0,241	8	2				
13	NIA	25	MASIDEX SWIP	14	5	1,957,000	55,000	165	13,567,000	55,000	7	13,567,000	1,957,000	47	0,568	12	2				
14	NIA	26	BOYO-BOYO SWIP	7	5	1,792,000	200,900	101	20,221,000	200,900	11	20,221,000	1,792,000	89	0,461	5	2				
15	NIA	27	VEHA SWIP	7	14	4,269,000	51,000	220	11,201,000	51,000	3	11,201,000	4,269,000	113	1,526	14	2				
16	NIA	29	ALIBANG SWIP	15	1	71,000	14,550	154	2,247,000	14,550	32	2,247,000	71,000	49	0,039	1	2				
17	NIA	31	DIGAP SWIP	6	1	368,000	75,500	117	8,828,000	75,500	24	8,828,000	368,000	94	0,113	1	2				
18	NIA	32	DEKET SWIP	127	1	18,000	1,515	82	124,000	1,515	7	124,000	18,000	79	0,095	1	2				
19	NIA	47	PAWOT CIP	285	3	20,000	2,430	88	213,000	2,430	11	213,000	20,000	20	0,060	3	2				
20	NIA	48	SAN FELIPE CUS	2	10	7,706,000	81,000	142	11,522,000	81,000	1	11,522,000	7,706,000	320	3,204	10	2				
21	NIA	49	BAYOG CUS	5	3	1,184,000	21,000	128	2,698,000	21,000	2	2,698,000	1,184,000	401	1,204	3	2				
22	NIA	53	PANTEPID CIP	5	3	9,500	48,900	102	4,964,000	48,900	523	4,964,000	9,500	36	0,051	1	2				
23	NIA	55	DALAYAP SWIP	273	1	40,000	19,800	132	2,622,000	19,800	66	2,622,000	40,000	63	0,038	1	2				
24	NIA	56	BLISS II SWIP	19	4	439,000	45,500	150	6,843,000	45,500	16	6,843,000	439,000	422	1,546	4	2				
25	NIA	57	BUSIGA CUS	12	2	278,000	21,600	126	2,725,000	21,600	10	2,725,000	278,000	59	0,095	2	2				
26	NIA	58	TANGARANG CIP	6	4	719,000	36,000	103	3,700,000	36,000	5	3,700,000	719,000	88	0,175	2	2				
27	NIA	59	LAWACAMILAG CIP	6	3	447,000	136,100	100	13,657,000	136,100	31	13,657,000	447,000	43	0,146	3	2				
28	NIA	72	PAITICE SWIP	14	3	1,147,000	57,500	123	7,094,000	57,500	6	7,094,000	1,147,000	88	0,442	5	2				
29	NIA	97	POKONG SWIP	8	4	1,818,000	52,500	116	6,101,000	52,500	3	6,101,000	1,818,000	254	0,288	4	2				
30	NIA	98	BATANGAN CIP	4	19	4,280,000	77,000	216	16,621,000	77,000	4	16,621,000	4,280,000	184	3,489	19	2				
31	NIA	99	JAMPARAN CIP	8	28	12,485,000	70,700	293	20,738,000	70,700	2	20,738,000	12,485,000	172	4,813	28	2				
32	NIA	100	CABANCALAN CIP	4	7	4,928,000	89,000	139	12,415,000	89,000	3	12,415,000	4,928,000	276	1,929	7	2				
33	NIA	101	POSTAGON SWIP	3	4	727,000	24,000	136	3,260,000	24,000	4	3,260,000	727,000	160	0,640	4	2				
34	NIA	102	PILI SWIP	10	7	4,928,000	49,000	145	19,850,000	49,000	14	19,850,000	4,928,000	23	0,691	7	2				
35	NIA	103	ELITO SWIP	40	30	1,404,000	65,200	405	19,850,000	65,200	3	19,850,000	1,404,000	73	0,378	30	2				
36	NIA	104	RIZAL SWIP	3	2	2,478,000	73,400	90	6,604,000	73,400	3	6,604,000	2,478,000	95	0,717	4	2				
37	NIA	106	BANTALAN SWIP	1	2	2,505,000	28,000	137	3,840,000	28,000	10	3,840,000	2,505,000	359	0,717	2	2				
38	NIA	107	IBRANGAN SWIP	24	5	392,000	143,000	112	15,973,000	143,000	11	15,973,000	392,000	346	0,355	5	2				
39	NIA	108	PERANGANGAN SWIP	2	12	14,066,000	143,000	112	15,973,000	143,000	11	15,973,000	14,066,000	346	4,146	12	2				
40	NIA	111	IBINGAN SWIP	10	6	1,460,000	172,000	95	16,285,000	172,000	11	16,285,000	1,460,000	67	0,389	6	2				

Table D.2.1 Factors for Evaluation of Priority Ranking (6/21)
- NIA - for Economic/Financial Viability (No.1)

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR) Value (%)	Increase of Employment Opportunity during Construction (EO) Values (man-days)	Number of Project Beneficiaries (PB) Values (families)	Repayment Capacity of Beneficiaries (RB)			Annual Fund Requirement (FR)		CONSTRUCTION PERIOD (Year)	
						RB = G/(H+I)	INCREASE IN ANNUAL INCOME (Pesos) (G)	MORTGIZATION COST (Pesos) (H)	ANNUAL O&M COST (Pesos) (I)	FR = E/J		DEMAND COST (Pesos) (E)
1	NIA	4 PAMPAGOLA SWTP (SCHEME-I)	9	80,300	500	8	5,540,535	434,052	301,425	11,520,667	34,562,000	3
2	NIA	6 POTOT SWTP (SCHEME-I)	13	39,800	300	11	3,501,810	183,600	127,500	5,259,667	15,779,000	3
3	NIA	7 CARANGAN SWTP	16	39,400	350	16	5,858,336	214,200	148,750	5,622,000	16,856,000	3
4	NIA	9 NASTIC-ID SWTP	5	129,800	500	3	9,821,858	1,665,072	1,156,300	12,576,333	37,729,000	3
5	NIA	11 TIGAS SWTP	7	54,100	250	16	4,137,413	153,000	106,250	10,265,333	30,796,000	3
6	NIA	12 ILAYA SWTP	19	49,700	450	21	9,877,948	275,400	191,250	8,169,333	24,508,000	3
7	NIA	14 SAGISURON SWTP (SCHEME-I)	12	36,400	230	19	4,497,188	140,760	97,750	6,557,333	19,672,000	3
8	NIA	15 BUCAGAO SWTP	11	73,500	410	11	6,248,093	332,460	230,875	10,400,667	31,202,000	3
9	NIA	20 MALOYO SWTP	17	48,200	430	18	7,903,058	263,160	182,750	11,931,500	23,863,000	2
10	NIA	21 MASISIP SWTP	10	25,700	100	22	2,230,605	61,200	42,500	7,463,500	14,927,000	2
11	NIA	22 SAN FELIPE SWTP	8	32,600	140	21	3,094,065	85,680	59,500	9,367,500	18,735,000	2
12	NIA	25 MACABATO SWTP	6	14,000	60	20	1,271,205	36,720	25,500	4,008,500	8,017,000	2
13	NIA	26 MASIDEN SWTP	17	32,500	440	14	6,164,145	269,280	187,000	5,783,500	13,567,000	2
14	NIA	25 JOBOY-OBAY SWTP	1	32,800	60	19	1,175,265	36,720	25,500	10,110,500	20,721,000	2
15	NIA	27 VEGA SWTP	17	19,900	100	19	1,990,755	63,200	42,500	5,600,500	11,201,000	2
16	NIA	29 ALIBENG SWTP	13	29,800	250	15	4,017,488	153,000	106,250	7,513,500	15,026,000	2
17	NIA	31 DUGAR SWTP	8	4,500	40	10	395,753	24,480	17,000	1,123,500	2,247,000	2
18	NIA	32 DEKET SWTP	2	15,600	75	9	689,569	45,900	31,875	4,404,000	8,828,000	2
19	NIA	47 BAWANOT CIP	58	300	5	15	77,951	3,060	2,125	126,000	126,000	1
20	NIA	48 SAN FELIPE CTS	31	500	5	15	77,951	3,060	2,125	213,000	213,000	1
21	NIA	49 BANG CTS	30	23,800	230	21	5,000,873	140,760	97,750	5,761,000	11,522,000	2
22	NIA	53 MANTEDIP CIP	33	6,100	75	15	1,157,276	45,900	31,875	1,249,000	2,698,000	2
23	NIA	55 DALAYAP SWTP	(0)	9,100	55	6	353,779	33,660	23,375	2,482,000	4,964,000	2
24	NIA	56 BLESS II SWTP	4	4,600	20	13	275,828	12,240	8,500	1,311,000	2,622,000	2
25	NIA	57 BERGEIG CTS	18	15,800	200	7	1,415,115	122,400	85,000	3,421,500	6,843,000	2
26	NIA	58 TANGARANG CIP	17	6,800	100	12	1,271,205	61,200	42,500	1,362,500	2,725,000	2
27	NIA	59 LAMOMILAG CIP	21	8,900	120	12	1,487,070	75,440	51,000	1,850,000	3,700,000	2
28	NIA	72 MATIKIN SWTP	1	23,700	100	10	1,055,340	61,200	42,500	6,826,500	13,657,000	2
29	NIA	97 DOMBOG SWTP	16	14,100	120	18	2,254,590	73,440	51,000	3,547,000	7,094,000	2
30	NIA	98 BATANGAN CIP	25	13,400	150	18	2,796,253	91,800	63,750	3,950,500	6,101,000	2
31	NIA	99 JAMPARAN CIP	29	36,200	400	21	8,826,480	244,800	170,000	8,310,500	16,621,000	2
32	NIA	100 CABANGALAN CIP	23	37,300	200	21	4,317,300	122,400	85,000	10,369,000	20,738,000	2
33	NIA	101 POSILAGAN SWTP	24	25,700	250	20	5,120,798	153,000	106,250	6,207,500	12,415,000	2
34	NIA	102 PILIT SWTP	30	7,100	90	21	1,774,890	48,960	34,000	1,630,000	3,260,000	2
35	NIA	103 KID SWTP	12	35,900	200	21	4,269,330	122,400	85,000	9,525,000	19,050,000	2
36	NIA	104 RIZAL SWTP	14	15,200	120	17	2,119,580	73,440	51,000	3,884,000	7,768,000	2
37	NIA	106 BONTALAN SWTP	16	12,800	100	15	1,506,995	61,200	42,500	3,302,000	6,604,000	2
38	NIA	107 BOBACAN SWTP	20	6,000	80	18	1,497,070	48,960	34,000	1,920,000	3,840,000	2
39	NIA	108 PIRANGANGAN SWTP	25	31,200	250	18	4,785,008	153,000	106,250	7,986,500	15,973,000	2
40	NIA	111 PIRANGAN SWTP	17	37,200	460	15	7,291,440	281,520	195,500	8,142,500	16,285,000	2

Table D.2.1 Factors for Evaluation of Priority Ranking (7/21)
 - NIA - for Economic/Financial Viability (No.2)

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR)	Value (Z)	Increase of Employment (during Construction) (ED)	Number of Project Beneficiaries (FB)	Repayment Capacity of Beneficiaries (RB)			Annual Fund Requirement (ER)		Period (Year)
							Value (Values (man-days))	Value (Values (families))	Value (Values (families))	Value (Values (families))	Value (Values (families))	
Name No.							Value (Values (man-days))	Value (Values (families))	Value (Values (families))	Value (Values (families))	Value (Values (families))	Value (Values (families))
41	NIA 112	PAGASICO SWIP	20	33,000	400	16	16,715,800	244,800	170,000	7,287,000	14,574,000	2
42	NIA 119	BUNOT-BUNOT SWIP	27	32,200	300	22	16,691,815	188,600	127,500	7,872,000	15,744,000	2
43	NIA 120	CAULANGAN SWIP	14	13,200	100	19	1,930,793	61,200	42,500	3,413,500	6,827,000	2
44	NIA 121	MANDAL SWIP	13	18,600	140	18	2,614,365	85,680	59,500	4,834,000	9,668,000	2
45	NIA 122	ARETILAN SWIP	(1)	16,900	30	20	633,603	18,360	12,750	5,203,000	10,406,000	2
46	NIA 128	ILINGSIGAN SWIP	29	2,500	30	19	587,633	18,360	12,750	567,000	1,134,000	2
47	NIA 130	ONTANGAMAN SWIP	16	16,000	130	20	12,674,328	79,560	55,250	4,064,000	8,128,000	2
48	NIA 131	LAPAN SWIP	25	12,500	150	20	3,130,543	91,800	63,750	2,782,000	5,564,000	2
49	NIA 132	BATAY SWIP	32	7,200	110	20	2,266,582	67,320	46,750	1,401,500	2,803,000	2
50	NIA 133	ABACA SWIP	20	21,000	200	22	4,461,210	122,400	85,000	5,082,500	10,165,000	2
51	NIA 136	GRUOL SWIP	24	20,600	200	22	4,461,210	122,400	85,000	4,969,500	9,939,000	2
52	NIA 138	SAN ISIDRO BANALAN SWIP	32	21,800	300	21	5,643,945	182,600	127,500	4,519,000	9,038,000	2
53	NIA 139	BANALAN SWIP	23	10,500	130	18	12,434,478	79,560	55,250	2,304,500	4,609,000	2
54	NIA 141	BARAS SWIP	27	8,700	110	21	2,410,493	67,320	46,750	1,892,500	3,785,000	2
55	NIA 147	KANABAN SWIP	14	61,500	390	20	17,699,185	232,360	161,500	16,672,000	33,344,000	2
56	NIA 148	ILUANG CIP	10	42,000	230	21	4,952,903	140,760	97,750	11,636,000	23,272,000	2
57	NIA 149	DANAO CIP	14	61,800	430	21	9,318,173	253,160	182,750	16,346,000	32,692,000	2
58	NIA 150	TUNZED CIP	20	35,600	240	20	5,084,820	144,880	102,000	9,490,000	18,980,000	2
59	NIA 152	MAAYOC-TUBIG CIP	23	17,200	180	21	3,957,525	110,160	76,500	4,029,500	8,059,000	2
60	NIA 154	MASAPLOD CIP	19	15,300	130	22	2,914,178	79,560	55,250	3,856,000	7,712,000	2
61	NIA 157	MAGA-MANTUPO CIP	11	45,000	250	21	5,456,588	153,000	106,250	12,439,500	24,879,000	2
62	NIA 158	SAN ANTONIO CIP	6	26,400	120	18	2,268,961	73,440	51,000	7,533,500	15,067,000	2
63	NIA 163	TIGABAO CIP	7	19,000	80	21	1,774,890	48,960	34,000	5,480,500	10,961,000	2
64	NIA 186	MAHAYAHAY SWIP	19	31,000	335	21	7,215,987	203,020	142,375	7,195,500	14,391,000	2
65	NIA 187	BOCO-DINGAN SWIP	15	37,100	260	19	5,046,444	159,120	110,500	9,812,500	19,625,000	2
66	NIA 188	LAN-AGAN SWIP	14	19,900	110	19	2,184,628	67,320	46,750	5,517,000	11,034,000	2
67	NIA 190	KAWANSI-RIZAL SWIP	14	53,000	345	20	7,057,596	211,140	146,625	14,220,000	28,440,000	2

Table D.2.1 Factors for Evaluation of Priority Ranking (8/21)
 - NIA - for Social/Environmental Impacts (No.1)

No.	AGENCY		PROJECT NAME	Equitable Distribution of Income (DI)	Relation with CARP (RC)		Degree of Land Acquisition Problem (IA)	Environmental Impacts (EI)
	Name No.			Income Level	Province Name	Y or N	Agricultural Land in Reservoir Area (ha)	Reservoir Area (ha)
1	NIA	4	PAPAGOJA SWIP (SCHEME-I)	5	ROMBLON	N	25.5	51
2	NIA	6	POTOT SWIP (SCHEME-I)	4	MASBATE	N	0	43
3	NIA	7	CARAMDAN SWIP	4	CAMARINES SUR	Y	0	20
4	NIA	9	NASIG-ID SWIP	4	NEGROS ORIENTAL	N	0	6
5	NIA	11	TUGAS SWIP	4	BOHOL	Y	0	16
6	NIA	12	ILAYA SWIP	3	BOHOL	Y	0	49
7	NIA	14	SAGUDSURON SWIP (SCHEME-I)	5	NORTHERN SAMAR	N	10.5	21
8	NIA	15	BUCACAO SWIP	4	ZAMBOANGA DEL SUR	N	0	25
9	NIA	20	MALOYO SWIP	3	LA UNION	N	0	85
10	NIA	21	MAGSIPING SWIP	3	LA UNION	N	0	41
11	NIA	22	SAN FELIPE SWIP	3	LA UNION	N	0	23
12	NIA	23	MACABATO SWIMP	5	LA UNION	N	0	8
13	NIA	25	MASIDEM SWIP	3	PANGASINAN	Y	0	28
14	NIA	26	OBOY-OBOY SWIP	3	PANGASINAN	Y	0	23
15	NIA	27	VEGA SWIP	4	PANGASINAN	Y	0	76
16	NIA	29	ALIBENG SWIP	3	PANGASINAN	Y	0	26
17	NIA	31	DIGAP SWIP	3	PANGASINAN	Y	0	4
18	NIA	32	DIKET SWIP	3	PANGASINAN	Y	0	8
19	NIA	47	MAYAMOT CIP	2	NUEVA ECLJA	Y	0	5
20	NIA	48	SAN FELIPE CIS	2	NUEVA ECLJA	Y	0	3
21	NIA	49	BAYOG CIS	4	NUEVA ECLJA	Y	0	149
22	NIA	53	MANTEDTED CIP	1	NUEVA ECLJA	Y	0	55
23	NIA	55	DALAYAP SWIP	3	PAMPANGA	Y	0.9	1
24	NIA	56	BLISS II SWIP	3	PAMPANGA	Y	0	2
25	NIA	57	BIGBIGA CIS	3	TARLAC	Y	0	77
26	NIA	58	TANGCARANG CIP	2	TARLAC	Y	0	5
27	NIA	59	LAWACAMULAG CIP	1	TARLAC	Y	17	34
28	NIA	72	MATIKIW SWIP	5	LAGUNA	Y	0	7
29	NIA	97	DOMROG SWIP	3	MASBATE	N	0	21
30	NIA	98	BATONGAN CIP	4	MASBATE	N	0	50
31	NIA	99	JAMORAWON CIP	4	MASBATE	N	0	169
32	NIA	100	CABANGCALAN CIP	4	MASBATE	N	0	231
33	NIA	101	POSTIAGON SWIMP	0	MASBATE	N	0	95
34	NIA	102	PILI SWIMP	0	MASBATE	N	0	36
35	NIA	103	BITO SWIMP	0	MASBATE	N	0	33
36	NIA	104	RIZAL SWIMP	0	MASBATE	N	21	21
37	NIA	106	BONIOLAN SWIMP	0	MASBATE	N	0	36
38	NIA	107	BCRACAN SWIMP	0	MASBATE	N	0	17
39	NIA	108	PINANGAKOGAN SWIMP	0	MASBATE	N	138.6	198
40	NIA	111	IBINGAN SWIP	5	SORSOGON	Y	0	18

Table D.2.1 Factors for Evaluation of Priority Ranking (9/21)
 - NIA - for Social/Environmental Impacts (No.2)

No.	AGENCY		Equitable Distribution of Income (DI)	Relation with CARP (RC)			Degree of Land Acquisition Problem (LA)	Environmental Impacts (EI)
	Name No.	PROJECT NAME		Province Name	Y or N	Agricultural Land in Reservoir Area (ha)	Reservoir Area (ha)	
41	NIA 112	BAGASICO SWIP	5	BOHOL	Y	0	52	
42	NIA 119	BONOT-BONOT SWIP	5	BOHOL	Y	51.9	173	
43	NIA 120	CALUNASAN SWIP	4	BOHOL	Y	6.5	13	
44	NIA 121	MANDALG SWIP	4	BOHOL	Y	6.5	13	
45	NIA 122	ABEJILAN SWIP	4	BOHOL	Y	0	3	
46	NIA 128	LUNGSODA-AN SWIP	2	BOHOL	Y	15	15	
47	NIA 130	CATUNGAN SWIP	4	BOHOL	Y	0	13	
48	NIA 131	LAPACAN SWIP	4	BOHOL	Y	37	37	
49	NIA 132	TAYTAY SWIP	5	BOHOL	Y	0	30	
50	NIA 133	ABACA SWIP	4	BOHOL	Y	0	27	
51	NIA 136	ONDOL SWIP	4	BOHOL	Y	0	68	
52	NIA 138	SAN ISIRO BANLASAN SWIP	4	BOHOL	Y	0	95	
53	NIA 139	BANLASAN SWIP	3	BOHOL	Y	24	24	
54	NIA 141	BIABAS SWIP	3	BOHOL	Y	0	23	
55	NIA 147	KANASUHAN CIP	3	CEBU	N	0	95	
56	NIA 148	LUYANG CIP	4	CEBU	N	7	14	
57	NIA 149	DANAO CIP	1	CEBU	N	0	39	
58	NIA 150	TUNGKOD CIP	3	CEBU	N	0	135	
59	NIA 152	MAAYOG-TUBIG CIP	4	NEGROS ORIENTAL	N	0	37	
60	NIA 154	MASAPLOD CIP	4	NEGROS ORIENTAL	N	0	27	
61	NIA 157	NAGA-MANTUYOP CIP	3	NEGROS ORIENTAL	N	0	34	
62	NIA 158	SAN ANTONIO CIP	3	NEGROS ORIENTAL	N	3.5	7	
63	NIA 163	TIGABAO CIP	4	SIQUEJON	N	-	6	
64	NIA 186	MAHAYAHAY SWIP	4	SOUTHERN LEYTE	N	0	4	
65	NIA 187	BOGO-DONGAN SWIP	2	SOUTHERN LEYTE	N	0	58	
66	NIA 188	LAN-AGAN SWIP	2	SOUTHERN LEYTE	N	22.5	45	
67	NIA 190	KAMANSI-RIZAL SWIP	5	SOUTHERN LEYTE	N	38	76	

Table D.2.1 Factors for Evaluation of Priority Ranking (10/21)
 - BSWM - for Technical Soundness (No.1)

No.	AGENCY	PROJECT NAME	Water Resources Reliability Factor (RF)				Storage Efficiency (SE)				Unit Construction Cost of Dam (CD)				Unit Cost of Reservoir Water (CR)				Effect of Flood Control (FC)		Degree of Technical Difficulties (TD)
			RE - (A*10 ⁶)/(C/1000)/B	CATCHMENT AREA (km ²)	EFFECTIVE STORAGE CAPACITY (m ³)	ANNUAL RAINFALL (mm)	SE - B/D	EFFECTIVE STORAGE CAPACITY (m ³)	EMBANKMENT VOLUME (m ³)	CD - E/D	DAM CONSTRUCTION COST (Pesos)	EMBANKMENT VOLUME (m ³)	E/B	DAM CONSTRUCTION COST (Pesos)	EFFECTIVE STORAGE CAPACITY (m ³)	FC - P*1000/A	SURCHARGE VOLUME (MCM)	CATCHMENT AREA (km ²)	(F)	(A)	
1	BSWM	1	14	1.1	156,662	1,903	6	156,662	28,000	100	2,811,000	28,000	18	2,811,000	156,662	298	0.337	1.1	1		
2	BSWM	2	9	0.7	168,048	2,336	3	168,048	55,900	83	4,615,000	55,900	27	4,615,000	168,048	210	0.141	0.7	2		
3	BSWM	3	24	0.7	68,549	2,336	3	68,549	37,120	95	3,542,000	37,120	52	3,542,000	68,549	251	0.176	0.7	1		
4	BSWM	4	5	0.4	165,025	2,336	4	165,025	46,000	80	3,702,000	46,000	22	3,702,000	165,025	1,896	0.660	0.4	1		
5	BSWM	5	18	2.6	281,432	1,903	7	281,432	39,200	95	3,710,000	39,200	13	3,710,000	281,432	156	0.408	2.6	1		
6	BSWM	6	16	0.7	90,082	1,903	4	90,082	24,750	105	2,591,000	24,750	29	2,591,000	90,082	288	0.213	0.7	1		
7	BSWM	7	5	1.4	528,958	1,903	16	528,958	33,000	102	3,360,000	33,000	6	3,360,000	528,958	74	0.105	1.4	1		
8	BSWM	8	7	1.2	360,737	2,275	7	360,737	53,000	74	3,933,000	53,000	11	3,933,000	360,737	276	0.320	1.2	1		
9	BSWM	9	11	0.9	193,995	2,275	19	193,995	10,000	163	1,630,000	10,000	8	1,630,000	193,995	121	0.114	0.9	1		
10	BSWM	10	39	1.2	67,253	2,275	4	67,253	15,000	102	1,525,000	15,000	23	1,525,000	67,253	293	0.337	1.2	1		
11	BSWM	11	8	0.6	140,707	1,903	4	140,707	33,945	88	2,967,000	33,945	21	2,967,000	140,707	324	0.201	0.6	1		
12	BSWM	12	19	0.9	109,554	2,336	3	109,554	38,000	81	3,063,000	38,000	28	3,063,000	109,554	218	0.196	0.9	1		
13	BSWM	13	8	0.4	87,980	1,903	3	87,980	32,000	97	3,108,000	32,000	35	3,108,000	87,980	318	0.121	0.4	1		
14	BSWM	14	15	1.0	159,683	2,275	12	159,683	13,000	148	1,922,000	13,000	12	1,922,000	159,683	257	0.262	1.0	1		
15	BSWM	15	9	0.7	159,958	2,275	3	159,958	54,800	75	4,121,000	54,800	24	4,121,000	159,958	294	0.197	0.7	1		
16	BSWM	16	27	0.7	56,984	2,275	4	56,984	13,375	116	1,553,000	13,375	27	1,553,000	56,984	224	0.159	0.7	1		
17	BSWM	17	4	0.6	329,656	2,275	10	329,656	32,500	83	2,714,000	32,500	8	2,714,000	329,656	192	0.113	0.6	1		
18	BSWM	18	35	2.6	169,869	2,275	7	169,869	23,500	92	2,170,000	23,500	13	2,170,000	169,869	243	0.625	2.6	1		
19	BSWM	19	11	0.8	167,670	2,275	9	167,670	18,600	94	1,751,000	18,600	10	1,751,000	167,670	169	0.132	0.8	1		
20	BSWM	20	13	3.0	446,635	1,903	10	446,635	44,000	87	3,829,000	44,000	9	3,829,000	446,635	372	1.116	3.0	1		
21	BSWM	21	5	0.4	126,887	1,903	4	126,887	31,000	82	2,553,000	31,000	20	2,553,000	126,887	346	0.191	0.4	1		
22	BSWM	22	10	0.5	99,278	1,903	3	99,278	35,420	83	2,950,000	35,420	30	2,950,000	99,278	354	0.184	0.5	1		
23	BSWM	23	20	1.1	105,048	1,903	2	105,048	60,705	64	3,697,000	60,705	37	3,697,000	105,048	323	0.575	1.1	1		
24	BSWM	24	9	1.1	212,100	1,903	7	212,100	30,500	83	2,542,000	30,500	12	2,542,000	212,100	400	0.420	1.1	1		
25	BSWM	25	3	0.1	97,637	2,366	4	97,637	26,000	78	2,033,000	26,000	21	2,033,000	97,637	275	0.033	0.1	1		
26	BSWM	26	9	0.7	192,277	2,366	3	192,277	72,000	75	5,411,000	72,000	28	5,411,000	192,277	140	0.098	0.7	1		
27	BSWM	27	31	0.8	56,921	2,366	2	56,921	27,500	69	2,438,000	27,500	43	2,438,000	56,921	327	0.245	0.8	1		
28	BSWM	28	47	0.6	29,609	2,216	2	29,609	17,700	107	1,892,000	17,700	64	1,892,000	29,609	324	0.204	0.6	1		
29	BSWM	29	18	0.9	102,242	2,038	10	102,242	10,498	159	1,666,000	10,498	16	1,666,000	102,242	261	0.232	0.9	1		
30	BSWM	30	14	1.8	254,220	2,038	8	254,220	30,600	86	2,638,000	30,600	10	2,638,000	254,220	319	0.215	1.8	1		
31	BSWM	31	9	0.3	65,525	2,038	7	65,525	9,800	175	1,698,000	9,800	26	1,698,000	65,525	143	0.040	0.3	1		
32	BSWM	32	9	1.9	371,049	1,746	7	371,049	54,341	79	4,301,000	54,341	12	4,301,000	371,049	236	0.636	1.9	1		
33	BSWM	33	253	5.6	44,777	2,038	1	44,777	36,300	106	3,839,000	36,300	86	3,839,000	44,777	285	1.594	5.6	1		
34	BSWM	34	32	3.1	167,451	1,746	9	167,451	18,944	116	2,230,000	18,944	13	2,230,000	167,451	299	0.930	3.1	1		
35	BSWM	35	168	1.4	17,453	2,038	2	17,453	1,328,000	8	1,328,000	1,328,000	76	1,328,000	17,453	308	0.444	1.4	1		
36	BSWM	36	6	0.6	193,684	1,746	5	193,684	37,887	91	3,445,000	37,887	18	3,445,000	193,684	248	0.156	0.6	1		
37	BSWM	37	20	0.5	46,768	2,038	3	46,768	15,800	100	1,575,000	15,800	34	1,575,000	46,768	283	0.130	0.5	1		
38	BSWM	38	4	0.5	237,027	1,746	10	237,027	22,754	89	2,020,000	22,754	9	2,020,000	237,027	198	0.105	0.5	1		
39	BSWM	39	9	0.8	188,255	2,038	5	188,255	41,140	74	3,063,000	41,140	16	3,063,000	188,255	239	0.191	0.8	1		
40	BSWM	40	5	0.2	78,215	2,038	5	78,215	14,500	139	2,016,000	14,500	26	2,016,000	78,215	245	0.044	0.2	1		

Table D-2.1 Factors for Evaluation of Priority Ranking (13/21)
 - BSNM - for Technical Soundness (No.4)

No.	AGENCY	PROJECT NAME	Water Resources Reliability Factor (RE)				Storage Efficiency (SE)				Unit Cost of Reservoir Water (CW) Effect of Flood Control (FC)				Degree of Technical Difficulties (TD)	
			RS - (A*10 ⁶)/ (C/1000)/ B	CATCHMENT AREA (km ²)	EFFECTIVE STORAGE CAPACITY (ms)	ANNUAL RAINFALL (mm)	SE - B/D	EFFECTIVE STORAGE CAPACITY (ms)	EMBARMENT VOLUME (ms)	CD - E/D	DAM CONSTRUCTION COST (Pesos)	EMBARMENT VOLUME (ms)	CF - E/B	DAM CONSTRUCTION COST (Pesos)		EFFECTIVE STORAGE CAPACITY (ms)
Name No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
121	BSNM 131	MALAPONG SWIP	28	0.8	63,430	2,316	10,900	132	1,434,000	10,900	23	1,434,000	63,430	275	0.209	0.8
122	BSNM 132	TALAGANBAO SWIP	15	0.6	84,919	2,316	18,300	103	1,968,000	18,300	23	1,968,000	84,919	269	0.148	0.6
123	BSNM 133	KINDAO-TAO SWIP	121	2.1	88,993	5,056	20,000	104	2,076,000	20,000	23	2,076,000	88,993	239	0.509	2.1
124	BSNM 134	SAN RAFAEL SWIP	8	0.6	206,721	2,639	48,391	73	3,518,000	48,391	17	3,518,000	206,721	235	0.131	0.6
125	BSNM 135	BUKAY-PAIT SWIP	19	2.9	146,733	951	41,000	94	3,845,000	41,000	26	3,845,000	146,733	218	0.627	2.9
126	BSNM 136	LIBUDAN SWIP	45	0.3	17,750	2,639	6,100	216	1,319,000	6,100	74	1,319,000	17,750	363	0.109	0.3
127	BSNM 137	DUMADALIS SWIP	34	2.5	68,848	951	2,400	1115	2,679,000	2,400	39	2,679,000	68,848	161	0.396	2.5
128	BSNM 138	LIBASAN SWIP	20	4.1	551,755	2,639	47,000	93	4,388,000	47,000	8	4,388,000	551,755	202	0.833	4.1
129	BSNM 139	FURUBA SWIP	12	1.5	313,912	2,639	31,800	98	3,131,000	31,800	10	3,131,000	313,912	192	0.281	1.5
130	BSNM 140	DAUWAN SWIP	10	0.5	134,163	2,639	12,695	145	1,809,000	12,695	13	1,809,000	134,163	168	0.084	0.5
131	BSNM 141	SAN NICOLAS SWIP	67	2.8	111,316	2,639	39,400	90	3,550,000	39,400	32	3,550,000	111,316	270	0.763	2.8
132	BSNM 142	EOLTON SWIP	121	2.3	49,963	2,639	43,250	105	4,541,000	43,250	91	4,541,000	49,963	329	0.754	2.3
133	BSNM 143	PEITAP SWIP	12	0.5	67,053	1,571	39,000	102	3,970,000	39,000	59	3,970,000	67,053	282	0.141	0.5
134	BSNM 144	LOOY SWIP	14	1.0	89,613	1,256	49,200	84	4,120,000	49,200	46	4,120,000	89,613	200	0.196	1.0
135	BSNM 145	EMALINGAWEN SWIP	6	1.0	241,742	1,571	37,000	102	3,766,000	37,000	15	3,766,000	241,742	79	0.077	1.0
136	BSNM 146	TUNIBERAN SWIP	14	0.9	100,789	1,571	34,000	94	3,196,000	34,000	32	3,196,000	100,789	66	0.061	0.9
137	BSNM 147	BUSOK SWIP	12	0.8	78,125	1,256	19,000	121	2,291,000	19,000	29	2,291,000	78,125	257	0.198	0.8
138	BSNM 149	LANCETA SWIP	5	0.2	55,973	1,256	13,167	139	1,827,000	13,167	33	1,827,000	55,973	200	0.046	0.2
139	BSNM 150	REY CARRON	4	1.0	286,642	1,256	20,000	125	2,527,000	20,000	9	2,527,000	286,642	78	0.077	1.0
140	BSNM 151	MALAGAKIT SWIP	12	0.9	93,607	1,256	9,740	192	1,866,000	9,740	20	1,866,000	93,607	159	0.148	0.9

Table D.2.1 Factors for Evaluation of Priority Ranking (14/21)
 - BSWM - for Economic/Financial Viability (No.1)

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR)		Increase of Employment Opportunity during Construction (EO)		Number of Project Beneficiaries (PB)		Repayment Capacity of Beneficiaries (RB)			Annual Fund Requirement (FR)		CONSTRUCTION PERIOD (Year)
			Value (Z)	Value (Z)	Values (man-days)	Values (families)	RE = G/(H+I)	INCREASE OF ANNUAL INCOME (Pesos) (G)	ADJUSTMENT COST (Pesos) (H)	ANNUAL O&M COST (Pesos) (I)	FR = E/J	CONSTRUCTION COST (Pesos) (E)		
1	BSWM	1 SUCSIQUEN SWIP	8	5,100	30	11	340,587	18,360	12,750	2,811,000	2,811,000	1		
2	BSWM	2 OLO-OLO I SWIP	7	8,000	35	15	531,268	21,420	14,875	4,615,000	4,615,000	1		
3	BSWM	3 OLO-OLO II SWIP	8	6,300	30	16	510,881	18,360	12,750	3,542,000	3,542,000	1		
4	BSWM	4 BALINGOAN SWIP	10	7,000	50	13	659,588	30,600	21,250	3,702,000	3,702,000	1		
5	BSWM	5 SAN CRISTOBAL SWIP	21	8,400	100	14	1,403,123	61,200	42,500	3,710,000	3,710,000	1		
6	BSWM	6 SAN AGUSTIN SWIP	10	4,800	32	12	407,745	19,584	13,600	2,591,000	2,591,000	1		
7	BSWM	7 BINAO II SWIP	19	6,200	40	15	625,610	24,480	17,000	3,360,000	3,360,000	1		
8	BSWM	8 ODA SWIP	23	8,700	100	16	1,678,950	61,200	42,500	3,933,000	3,933,000	1		
9	BSWM	9 FIGARO SWIP	25	4,500	75	10	773,516	45,900	31,875	1,630,000	1,630,000	1		
10	BSWM	10 PANARANAN SWIP	17	3,700	50	10	539,663	30,600	21,250	1,525,000	1,525,000	1		
11	BSWM	11 CAPARISPISAN SWIP	15	5,900	50	15	779,513	30,600	21,250	2,987,000	2,987,000	1		
12	BSWM	12 PATONG SWIP	12	7,400	100	8	805,896	61,200	42,500	3,063,000	3,063,000	1		
13	BSWM	13 SANAC SWIP	2	5,300	20	9	194,279	12,240	8,500	3,108,000	3,108,000	1		
14	BSWM	14 MARINI SWIP	20	5,100	80	11	925,821	48,960	34,000	1,922,000	1,922,000	1		
15	BSWM	15 SAN GONZALO SWIP	12	7,700	50	16	839,475	30,600	21,250	4,121,000	4,121,000	1		
16	BSWM	16 CAMAGSINGALAN SWIP	23	3,900	55	14	773,516	33,660	23,375	1,553,000	1,553,000	1		
17	BSWM	17 PADAR SWIP	23	5,500	50	21	1,067,333	30,600	21,250	2,714,000	2,714,000	1		
18	BSWM	18 MALMAYIN SWIP	21	6,000	100	10	1,067,333	61,200	42,500	2,170,000	2,170,000	1		
19	BSWM	19 VIGA SWIP	29	4,500	70	16	1,175,265	42,840	29,750	1,751,000	1,751,000	1		
20	BSWM	20 CABOSAN	20	7,900	75	17	1,289,194	45,900	31,875	3,829,000	3,829,000	1		
21	BSWM	21 MARGUANG SWIP	9	4,700	30	11	329,554	18,360	12,750	2,553,000	2,553,000	1		
22	BSWM	22 DAQUING II SWIP	4	5,600	25	7	290,458	24,480	17,000	2,950,000	2,950,000	1		
23	BSWM	23 SAN ANDRES SWIP	3	8,900	40	9	458,593	30,600	21,250	3,897,000	3,897,000	1		
24	BSWM	24 PANINAN SWIP	15	5,200	50	12	611,618	30,600	21,250	2,542,000	2,542,000	1		
25	BSWM	25 SAN JUAN I SWIP	5	3,800	25	9	221,861	15,300	10,625	2,033,000	2,033,000	1		
26	BSWM	26 SAN JUAN II SWIP	(1)	9,000	25	10	268,632	15,300	10,625	5,411,000	5,411,000	1		
27	BSWM	27 MACORONAY SWIP	7	5,300	60	7	407,745	36,720	25,500	2,438,000	2,438,000	1		
28	BSWM	28 PATA SWIP	22	5,600	100	11	1,151,280	61,200	42,500	1,892,000	1,892,000	1		
29	BSWM	29 BALACUIT SWIP	26	5,200	100	12	1,240,025	61,200	42,500	1,666,000	1,666,000	1		
30	BSWM	30 CABANINGAN SWIP	28	5,900	70	17	1,237,626	42,840	29,750	2,638,000	2,638,000	1		
31	BSWM	31 MARANA SWIP	23	3,400	30	22	673,979	18,360	12,750	1,698,000	1,698,000	1		
32	BSWM	32 CAULIAN SWIP	20	9,300	100	15	1,527,845	61,200	42,500	4,301,000	4,301,000	1		
33	BSWM	33 DIADI SWIP	25	7,600	65	25	1,684,946	39,780	27,625	3,839,000	3,839,000	1		
34	BSWM	34 BACANACAN SWIP	27	5,500	80	15	1,268,807	48,960	34,000	2,230,000	2,230,000	1		
35	BSWM	35 BALETE SWIP	18	2,600	20	31	641,599	12,240	8,500	1,328,000	1,328,000	1		
36	BSWM	36 MINGRAG	26	6,900	60	15	959,400	36,720	25,500	3,445,000	3,445,000	1		
37	BSWM	37 KIRANG SWIP	32	5,600	120	13	1,678,950	73,440	51,000	1,575,000	1,575,000	1		
38	BSWM	38 LARNEE SWIP	19	4,000	35	15	562,448	21,420	14,875	2,020,000	2,020,000	1		
39	BSWM	39 SAN ANTONIO SWIP	27	7,400	100	17	1,798,875	61,200	42,500	3,063,000	3,063,000	1		
40	BSWM	40 LAYAN SWIP	13	4,200	40	12	491,693	24,480	17,000	2,016,000	2,016,000	1		

Table D-2-1 Factors for Evaluation of Priority Ranking (IS/ZI) - BSWM - for Economic/Financial Viability (No.2)

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR) Value (%)	Increase of Employment Opportunity during Construction (EO) Values (man-days)	Number of Project Beneficiaries (PB) Values (Families)	Repayment Capacity of Beneficiaries (RB)			Annual Fund Requirement (FR)		CONSTRUCTION PERIOD (Year)
						RB = G/(H-I)	INCREASE OF ANNUAL INCOME (Pesos) (G)	AVERTIZATION (Pesos) (H)	ANNUAL O&M COST (Pesos) (I)	FR = E/J	
41	BSWM	42	16	6,700	50	17	899,438	30,600	21,250	3,473,000	1
42	BSWM	43	13	5,000	70	7	479,700	42,840	29,750	2,074,000	1
43	BSWM	44	8	6,400	50	10	522,873	30,600	21,250	3,304,000	1
44	BSWM	45	36	13,800	250	17	4,497,188	153,000	106,250	4,695,000	1
45	BSWM	46	25	3,500	40	17	700,362	24,480	17,000	1,467,000	1
46	BSWM	47	24	5,600	70	16	1,139,288	42,840	29,750	2,406,000	1
47	BSWM	48	34	6,100	100	16	1,598,138	61,200	42,500	2,219,000	1
48	BSWM	49	29	1,300	15	18	274,628	9,180	6,375	580,000	1
49	BSWM	50	12	3,000	20	15	311,805	12,240	8,500	1,597,000	1
50	BSWM	51	17	6,700	55	17	965,396	33,660	23,375	3,394,000	1
51	BSWM	52	11	10,000	50	15	793,904	30,600	21,250	5,608,000	1
52	BSWM	56	14	8,400	80	11	923,423	48,960	34,000	4,096,000	1
53	BSWM	57	17	4,200	43	13	569,644	26,316	18,275	2,017,000	1
54	BSWM	58	13	4,800	38	12	485,696	23,256	16,150	2,480,000	1
55	BSWM	59	18	7,500	40	26	1,085,321	24,480	17,000	4,194,000	1
56	BSWM	60	16	8,100	100	10	1,079,325	61,200	42,500	3,572,000	1
57	BSWM	61	27	6,400	100	12	1,259,213	61,200	42,500	2,452,000	1
58	BSWM	62	44	4,900	100	15	1,539,025	61,200	42,500	1,497,000	1
59	BSWM	63	30	5,300	100	13	1,367,145	61,200	42,500	1,720,000	1
60	BSWM	64	17	6,700	100	9	959,400	61,200	42,500	2,615,000	1
61	BSWM	65	8	4,800	50	8	390,956	30,600	21,250	2,284,000	1
62	BSWM	66	31	5,300	100	13	1,219,175	61,200	42,500	1,728,000	1
63	BSWM	67	13	5,700	50	12	645,197	30,600	21,250	2,863,000	1
64	BSWM	68	12	6,600	50	13	659,588	30,600	21,250	3,446,000	1
65	BSWM	69	16	4,900	50	10	539,663	30,600	21,250	2,349,000	1
66	BSWM	70	10	7,800	100	7	707,558	61,200	42,500	3,356,000	1
67	BSWM	71	16	9,500	100	12	1,199,250	61,200	42,500	4,451,000	1
68	BSWM	72	20	4,600	70	9	647,595	42,840	29,750	1,811,000	1
69	BSWM	73	15	7,600	80	12	983,385	48,960	34,000	3,577,000	1
70	BSWM	74	34	16,400	400	12	4,797,000	244,800	170,000	5,837,000	1
71	BSWM	75	17	6,900	80	11	952,205	48,960	34,000	3,095,000	1
72	BSWM	76	6	13,600	50	16	839,475	30,600	21,250	7,977,000	1
73	BSWM	77	14	5,800	50	13	659,568	30,600	21,250	2,874,000	1
74	BSWM	78	18	6,300	75	13	989,361	45,900	31,875	2,823,000	1
75	BSWM	79	16	4,500	45	13	622,411	27,540	19,125	2,130,000	1
76	BSWM	80	3	5,500	80	17	888,894	48,960	34,000	4,102,000	1
77	BSWM	82	12	5,900	100	6	649,994	61,200	42,500	2,176,000	1
78	BSWM	83	21	4,500	50	16	804,457	30,600	21,250	2,089,000	1
79	BSWM	84	16	5,700	100	6	659,588	61,200	42,500	2,040,000	1
80	BSWM	85	16	5,700	100	6	659,588	61,200	42,500	1,980,000	1

Table D.2.1 Factors for Evaluation of Priority Ranking (16/21)
 - BSMW - for Economic/Financial Viability (No.3)

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR)	Increase of Employment Opportunity during Construction (EO)	Number of Project Beneficiaries (PB)	Repayment Capacity of Beneficiaries (RB)			Annual Fund Requirement (FR)			CONSTRUCTION PERIOD (Year)
						RB = G/(H+I)	INCREASE OF ANNUAL INCOME (Pesos) (G)	ANNUAL CONTRIBUTION (Pesos) (H)	ANNUAL O&M COST (Pesos) (I)	FR = E/J	CONSTRUCTION COST (Pesos) (E)	
Name No.			Value (Z)	Values (mat-days)	Values (families)							(J)
81	BSM 86	BURGOS SWIP	13	4,700	25	22	569,644	15,300	10,625	2,640,000	2,640,000	1
82	BSM 87	F. ARCANGEL SWIP	13	5,400	50	12	635,603	30,600	21,250	2,671,000	2,671,000	1
83	BSM 88	PINONGY SWIP	18	3,600	25	22	557,651	15,300	10,625	1,883,000	1,883,000	1
84	BSM 89	SIBALIW-TORALBA SWIP	13	3,500	25	14	358,576	15,300	10,625	1,843,000	1,843,000	1
85	BSM 90	PANLAGANGAN SWIP	12	4,700	50	10	515,678	30,600	21,250	2,160,000	2,160,000	1
86	BSM 91	TRACIANO SWIP	16	4,000	50	11	575,640	30,600	21,250	1,274,000	1,274,000	1
87	BSM 92	SAN ROQUE SWIP	17	4,900	40	18	743,535	24,480	17,000	2,473,000	2,473,000	1
88	BSM 93	ARANAG SWIP	16	7,300	100	10	1,004,972	61,200	42,500	3,034,000	3,034,000	1
89	BSM 94	BUNAVISTA SWIP	15	3,800	50	10	515,678	30,600	21,250	1,639,000	1,639,000	1
90	BSM 95	DITA I SWIP	17	6,300	50	18	913,829	30,600	21,250	3,244,000	3,244,000	1
91	BSM 96	DITA II SWIP	18	4,300	35	17	632,005	21,420	14,875	2,158,000	2,158,000	1
92	BSM 97	SAN JOSE SWIP II	16	4,600	30	21	656,949	18,360	12,750	2,482,000	2,482,000	1
93	BSM 98	STO. NIÑO SWIP	28	7,200	110	15	1,743,230	67,320	46,750	2,818,000	2,818,000	1
94	BSM 99	NANAKA SWIP	12	4,700	35	15	545,659	21,420	14,875	2,475,000	2,475,000	1
95	BSM 100	BAGTIC SWIP	37	6,100	100	21	1,155,366	61,200	42,500	2,234,000	2,234,000	1
96	BSM 101	NABILIG SWIP	14	7,500	50	19	959,400	30,600	21,250	3,984,000	3,984,000	1
97	BSM 102	BONG-BONG I SWIP	40	4,900	100	17	1,798,875	61,200	42,500	1,462,000	1,462,000	1
98	BSM 103	BONG-BONG II SWIP	31	4,900	100	14	1,415,115	61,200	42,500	1,487,000	1,487,000	1
99	BSM 108	JUBASAN SWIP	3	5,500	25	10	261,437	15,300	10,625	3,143,000	3,143,000	1
100	BSM 109	CASABAHAN SWIP	18	7,400	100	11	1,115,303	61,200	42,500	3,116,000	3,116,000	1
101	BSM 110	INAMURAGAY SWIP	16	6,400	50	16	837,077	30,600	21,250	3,278,000	3,278,000	1
102	BSM 111	STA. FE SWIP	34	6,300	125	16	2,026,733	76,500	53,125	1,943,000	1,943,000	1
103	BSM 112	CARFIN SWIP	24	4,700	58	14	825,981	35,496	24,650	2,042,000	2,042,000	1
104	BSM 113	LARON SWIP	15	3,300	25	16	413,741	15,300	10,625	1,738,000	1,738,000	1
105	BSM 114	POLANGUI SWIP	34	3,300	50	19	970,433	30,600	21,250	1,283,000	1,283,000	1
106	BSM 115	TALBAN SWIP	n.d.	9,400	100	n.d.	n.d.	61,200	42,500	4,383,000	4,383,000	1
107	BSM 117	MOELAND SWIP	30	6,300	100	16	1,691,422	61,200	42,500	2,350,000	2,350,000	1
108	BSM 118	SUMADAT SWIP	19	5,300	70	13	541,411	42,840	29,750	2,252,000	2,252,000	1
109	BSM 119	LINGMOT SWIP	25	5,200	60	18	1,145,284	36,720	25,500	2,323,000	2,323,000	1
110	BSM 120	LAWARE I SWIP	20	5,200	80	11	923,423	48,960	34,000	1,975,000	1,975,000	1
111	BSM 121	LAWARE II SWIP	18	5,800	60	15	951,005	36,720	25,500	2,750,000	2,750,000	1
112	BSM 122	BUNAVISTA SWIP	14	7,000	100	9	933,017	61,200	42,500	2,822,000	2,822,000	1
113	BSM 123	COLING SWIP	17	5,700	100	9	905,434	61,200	42,500	1,997,000	1,997,000	1
114	BSM 124	LARON SWIP	37	5,800	150	13	2,036,806	91,800	63,750	1,172,000	1,172,000	1
115	BSM 125	ALIBIJID SWIP	23	6,000	105	11	1,193,254	64,260	44,625	2,066,000	2,066,000	1
116	BSM 126	BALAYON SWIP	13	8,100	80	12	998,975	48,960	34,000	3,857,000	3,857,000	1
117	BSM 127	ARULANG SWIP	30	5,500	140	10	1,438,100	85,680	59,500	1,153,000	1,153,000	1
118	BSM 128	TALOAO SWIP	31	10,800	155	19	3,052,091	94,860	65,875	4,381,000	4,381,000	1
119	BSM 129	PANLAGANGAN SWIP	30	9,000	170	14	2,386,508	104,040	72,250	2,943,000	2,943,000	1
120	BSM 130	IBIBANG SWIP	36	6,000	100	10	1,990,681	61,200	42,500	2,178,000	2,178,000	1

Table D.2.1 Factors for Evaluation of Priority Ranking (17/21)
 - BSWM - for Economic/Financial Viability (No.4)

No.	AGENCY	PROJECT NAME	Economic Internal Rate of Return (IR)		Increase of Employment Opportunity during Construction (EO)	Number of Project Beneficiaries (PB)	Repayment Capacity of Beneficiaries (PB)			Annual Fund Requirement (FR)		CONSTRUCTION PERIOD (Year)
			Value (Z)	Value (Y)			Value (X)	Value (W)	Value (V)	Value (U)		
	None No.				Values (man-days)	Values (families)	IR = G/(H+I)	INCREASE OF ANNUAL INCOME (Pesos)	AMORTIZATION COST (Pesos)	ANNUAL O&M COST (Pesos)	FR = E/J	DAM CONSTRUCTION COST (Pesos)
121	BSWM 131	MALAPONG SWIP	30	7,500	200	10	2,108,282	122,400	85,000	1,434,000	1	
122	BSWM 132	TALAGANHAO SWIP	23	4,600	60	15	912,485	36,720	25,500	1,968,000	1	
123	BSWM 133	KITEO-TAO SWIP	41	8,500	200	16	3,357,900	122,400	85,000	2,076,000	1	
124	BSWM 134	SAN RAFAEL SWIP	9	6,400	35	17	605,621	21,420	14,875	3,518,000	1	
125	BSWM 135	EUKAY-PALT SWIP	17	9,500	135	11	1,481,074	82,620	57,375	3,845,000	1	
126	BSWM 136	LEBUDON SWIP	15	2,800	30	12	371,768	18,360	12,750	1,319,000	1	
127	BSWM 137	DUMADALIG SWIP	14	5,200	40	15	641,599	24,480	17,000	2,679,000	1	
128	BSWM 138	LIBASAN SWIP	28	11,800	190	14	2,837,425	116,280	80,750	4,388,000	1	
129	BSWM 139	FLORIDA SWIP	32	8,800	150	16	2,492,042	91,800	63,750	3,131,000	1	
130	BSWM 140	DAVAN SWIP	14	3,800	40	10	431,730	24,480	17,000	1,809,000	1	
131	BSWM 141	SAN NICOLAS SWIP	22	7,600	80	18	1,481,074	48,960	34,000	3,550,000	1	
132	BSWM 142	BOLTON SWIP	19	10,200	120	15	1,855,240	74,160	51,500	4,541,000	1	
133	BSWM 143	PETAP SWIP	15	8,200	80	14	1,136,889	48,960	34,000	3,970,000	1	
134	BSWM 144	LLOY SWIP	20	8,600	85	17	1,469,081	52,020	36,125	4,120,000	1	
135	BSWM 145	DALINGAYEN SWIP	39	12,400	250	17	4,497,188	153,000	106,250	3,766,000	1	
136	BSWM 146	TINIBITAN SWIP	33	8,100	120	20	2,487,245	73,440	51,000	3,196,000	1	
137	BSWM 147	BUSOK SWIP	22	6,200	100	12	1,259,213	61,200	42,500	2,291,000	1	
138	BSWM 149	LANCETA SWIP	10	3,300	20	14	289,499	12,240	8,500	1,827,000	1	
139	BSWM 150	NEW CARMEN	28	8,500	175	10	1,903,210	107,100	74,375	2,527,000	1	
140	BSWM 151	MALAGAKIT SWIP	36	5,500	100	17	1,765,296	61,200	42,500	1,866,000	1	

Table D.2.1 Factors for Evaluation of Priority Ranking (18/21)
- BSWM - for Social/Environmental Impacts (No.1)

No.	AGENCY		PROJECT NAME	Equitable Distribution of Income (DI)	Relation with CARP (RC)		Degree of Land Acquisition Problem (LA)	Environmental Impacts (EI)
	Name	No.		Income Level	Province Name	Y or N	Agricultural Land in Reservoir Area (ha)	Reservoir Area (ha)
1	BSWM	1	SUCSUQUEN SWIP	4	ILOCOS NORTE	N	0	4
2	BSWM	2	OLO-OLO I SWIP	5	ILOCOS SUR	N	0	4
3	BSWM	3	OLO-OLO II SWIP	5	ILOCOS SUR	N	0	1
4	BSWM	4	BALINGOAN SWIP	3	ILOCOS SUR	N	0	3
5	BSWM	5	SAN CRISTOBAL SWIP	5	ILOCOS NORTE	N	0	10
6	BSWM	6	SAN AGUSTIN SWIP	0	ILOCOS NORTE	N	0	3
7	BSWM	7	BINGAO II SWIP	3	ILOCOS NORTE	N	0	19
8	BSWM	8	ODA SWIP	4	PANGASINAN	Y	0	7
9	BSWM	9	PUGARO SWIP	3	PANGASINAN	Y	0	12
10	BSWM	10	PAMARANUM SWIP	2	PANGASINAN	Y	0	2
11	BSWM	11	CAPARISPISAN SWIP	4	ILOCOS NORTE	N	0	3
12	BSWM	12	PATONG SWIP	4	ILOCOS SUR	N	0	4
13	BSWM	13	SAMAC SWIP	3	ILOCOS NORTE	N	2.1	3
14	BSWM	14	MABINI SWIP	4	PANGASINAN	Y	0	2
15	BSWM	15	SAN GONZALO SWIP	5	PANGASINAN	Y	0	2
16	BSWM	16	CAMAGSINGALAN SWIP	5	PANGASINAN	Y	0	2
17	BSWM	17	PATAR SWIP	4	PANGASINAN	Y	0	4
18	BSWM	18	MAIMPIN SWIP	4	PANGASINAN	Y	0	6
19	BSWM	19	VIGA SWIP	4	PANGASINAN	Y	0	4
20	BSWM	20	CABUOSAN	3	ILOCOS NORTE	N	0	9
21	BSWM	21	MAGNUANG SWIP	1	ILOCOS NORTE	N	0	4
22	BSWM	23	DAQUIOAG II SWIP	5	ILOCOS NORTE	N	0	2
23	BSWM	24	SAN ANDRES SWIP	5	ILOCOS NORTE	N	0	2
24	BSWM	25	PANINAAN SWIP	3	ILOCOS NORTE	N	0	5
25	BSWM	26	SAN JUAN I SWIP	6	ABRA	N	0	1
26	BSWM	27	SAN JUAN II SWIP	6	ABRA	N	0	2
27	BSWM	28	MACARCAHAY SWIP	2	ABRA	N	0	1
28	BSWM	29	PATA SWIP	3	CAGAYAN	N	0.5	1
29	BSWM	30	BALAQUIT SWIP	5	NUEVA VISCAYA	N	0	3
30	BSWM	31	CABANNUNGAN SWIP	1	ISABELA	Y	0	12
31	BSWM	32	MARANA SWIP	1	ISABELA	Y	0	3
32	BSWM	33	CABULUAN SWIP	4	CAGAYAN	N	0	8
33	BSWM	34	DIADI SWIP	5	NUEVA VIZCAYA	N	0	4
34	BSWM	35	NAGANACAN SWIP	5	ISABELA	Y	3	6
35	BSWM	36	BALETE SWIP	5	NUEVA VIZCAYA	N	0	2
36	BSWM	37	MINAGBAG	5	ISABELA	Y	0	4
37	BSWM	38	KIRANG SWIP	4	NUEVA VIZCAYA	N	0	2
38	BSWM	39	LANNEG SWIP	3	CAGAYAN	N	0	6
39	BSWM	40	SAN ANTONIO SWIP	3	NUEVA VIZCAYA	N	0	5
40	BSWM	41	ABIAN SWIP	3	NUEVA VISCAYA	N	0	2

Table D.2.1 Factors for Evaluation of Priority Ranking (19/21)
 - BSWM - for Social/Environmental Impacts (No.2)

No.	AGENCY Name No.	PROJECT NAME	Equitable Distribution of Income (DI)	Relation with CARP (RC)		Degree of Land Acquisition Problem (LA)	Environmental Impacts (EI)
			Income Level	Province Name	Y or N	Agricultural Land in Reser- voir Area (ha)	Reservoir Area (ha)
41	BSWM 42	TRINIDAD SWIP	4	ISABELA	Y	0	5
42	BSWM 43	MALALAM SWIP	1	ISABELA	Y	0	7
43	BSWM 44	APANG SWIP	3	CAGAYAN CLAVERIA	N	0	2
44	BSWM 45	ANNEG SWIP	4	ISABELA	Y	0	12
45	BSWM 46	VICTORIA SWIP	5	QUIRINO	N	0	3
46	BSWM 47	SAN MARCOS SWIP	4	QUIRINO	N	0	4
47	BSWM 48	SAN FRANCISCO SWIP	5	QUIRINO	N	0	12
48	BSWM 49	STA FILMENA SWIP	2	ISABELA	Y	0	3
49	BSWM 50	OLD SAN MARIANO	2	ISABELA	Y	0	2
50	BSWM 51	YEBAN SWIP	4	ISABELA	Y	0	5
51	BSWM 52	MINALLO SWIP	4	ISABELA	Y	0	10
52	BSWM 56	AFUSING DAGA SWIP	4	CAGAYAN	N	0	8
53	BSWM 57	MASIN SWIP	4	CAGAYAN	N	0	5
54	BSWM 58	CARALLANGAN SWIP	4	CAGAYAN	N	0	4
55	BSWM 59	GANZANO SWIP	3	CAGAYAN	N	0	6
56	BSWM 60	SAMPALOC SWIP	5	NUEVA ECIJA	Y	0	7
57	BSWM 61	STO. DOMINGO III SWIP	3	NUEVA ECIJA	Y	0	16
58	BSWM 62	MASAUPI SWIP	2	BULACAN	N	0	21
59	BSWM 63	VILLA BOADO SWIP	5	NUEVA ECIJA	Y	0	6
60	BSWM 64	BUTID SWIP	5	NUEVA ECIJA	Y	0	6
61	BSWM 65	MANINIG SWIP	3	TARLAC	Y	0	1
62	BSWM 66	VILLA ISLA SWIP	2	NUEVA ECIJA	Y	0	11
63	BSWM 67	STA. CATALINA SWIP	5	NUEVA ECIJA	Y	0	4
64	BSWM 68	BULO SWIP	3	BULACAN	N	0	4
65	BSWM 69	STO DOMINGO II SWIP	5	NUEVA ECIJA	Y	0	8
66	BSWM 70	BITUNGOL SWIP	1	BULACAN	N	0	5
67	BSWM 71	MAASIN SWIP	5	NUEVA ECIJA	Y	0	9
68	BSWM 72	STO DOMINGO I SWIP	5	NUEVA ECIJA	Y	0	9
69	BSWM 73	MANGANDINGAY SWIP	2	NUEVA ECIJA	Y	0	5
70	BSWM 74	NAMULANAYAN SWIP	3	NUEVA ECIJA	Y	0	27
71	BSWM 75	PARISTA SWIP	3	NUEVA ECIJA	Y	0	6
72	BSWM 76	BALEALUNGAO SWIP	3	NUEVA ECIJA	Y	0	6
73	BSWM 77	LAGUNLONG SWIP	5	ORIENTAL MINDORO	N	5	5
74	BSWM 78	PAKALA II SWIP	5	ORIENTAL MINDORO	N	3	3
75	BSWM 79	BAYUIN SWIP	4	ORIENTAL MINECRO	N	2	2
76	BSWM 80	CAMBURAY SWIP	1	OCCIDENTAL MINDORO	N	0	7
77	BSWM 82	BUENASUERTE SWIP	3	MASRATE	N	0	3
78	BSWM 83	BULNAO SWIP	3	CAMARINES NORTE	N	0	2
79	BSWM 84	DALNAC SWIP	5	CAMARINES NORTE	N	0	3
80	BSWM 85	GABAWAN	1	ALBAY	N	0	9

Table D.2.1 Factors for Evaluation of Priority Ranking (20/21)
 - BSWM - for Social/Environmental Impacts (No.3)

No.	AGENCY	PROJECT NAME	Equitable	Relation with CARP		Degree of Land	Environmental
			Distribution	(RC)		Acquisition	Impacts (EI)
			of Income (DI)			Problem (IA)	
	Name No.		Income Level	Province Name	Y or N	Agricultural	Reservoir Area
						Land in Reser-	(ha)
						voir Area (ha)	
81	BSWM 86	BURGOS SWIP	5	CATANDUANES	N	0	1
82	BSWM 87	F.ARCANGEL SWIP	5	AKLAN	N	0	2
83	BSWM 88	PINONOY SWIP	4	AKLAN	N	0	2
84	BSWM 89	SIBALIW-TORALBA SWIP	4	AKLAN	N	0	3
85	BSWM 90	PANLAGANGAN SWIP	3	ANTIQUÉ	Y	0	2
86	BSWM 91	TRACIANO SWIP	5	CAPIZ	N	0	1
87	BSWM 92	SAN ROQUE SWIP	4	AKLAN	N	0	2
88	BSWM 93	ARANAG SWIP	5	AKLAN	N	0	4
89	BSWM 94	BUENAVISTA SWIP	5	ANTIQUÉ	Y	1	2
90	BSWM 95	DITA I SWIP	3	BOHOL	Y	0	4
91	BSWM 96	DITA II SWIP	3	BOHOL	Y	0	4
92	BSWM 97	SAN JOSE SWIP II	4	BOHOL	Y	0	2
93	BSWM 98	SIO. NIÑO SWIP	4	BOHOL	Y	0	8
94	BSWM 99	NANKA SWIP	2	NEGROS ORIENTAL	N	0.5	1
95	BSWM 100	BAGTIC SWIP	3	NEGROS ORIENTAL	N	0	2
96	BSWM 101	NABILLOG SWIP	4	NEGROS ORIENTAL	N	0	2
97	BSWM 102	BONG-BONG I SWIP	3	BOHOL	Y	0	4
98	BSWM 103	BONG-BONG II SWIP	3	BOHOL	Y	1.5	3
99	BSWM 108	JUBASAN SWIP	5	NORTHERN SAMAR	N	0	2
100	BSWM 109	CASABAHAN SWIP	4	WESTERN SAMAR	Y	0	6
101	BSWM 110	INAMBURACAY SWIP	5	NORTHERN SAMAR	N	0	4
102	BSWM 111	STA. FE SWIP	3	EASTERN SAMAR	N	0	3
103	BSWM 112	CAMPIN SWIP	4	LEYTE	Y	2.7	9
104	BSWM 113	LABOON SWIP	2	SOUTHERN SAMAR	N	0	2
105	BSWM 114	POLANQUI SWIP	4	EASTERN SAMAR	N	0	4
106	BSWM 115	TABAWAN SWIP	2	WESTERN SAMAR	Y	0	2
107	BSWM 117	WOODLAND SWIP	3	ZAMBOANGA DEL SUR	N	0	4
108	BSWM 118	SUMADAT SWIP	3	ZAMBOANGA DEL SUR	N	0.3	1
109	BSWM 119	LUNYOT SWIP	3	ZAMBOANGA DEL SUR	N	0	3
110	BSWM 120	LAMARE I SWIP	4	ZAMBOANGA DEL SUR	N	0	2
111	BSWM 121	LAMARE II SWIP	4	ZAMBOANGA DEL SUR	N	0	2
112	BSWM 122	BUENAVISTA SWIP	1	ZAMBOANGA DEL SUR	N	0	2
113	BSWM 123	GOLING SWIP	6	ZAMBOANGA DEL SUR	N	0	2
114	BSWM 124	LABUAGON SWIP	3	BUKIDNON	Y	0	3
115	BSWM 125	ALJBLJID SWIP	3	AGUSAN DEL NORTE	N	0	4
116	BSWM 126	BALIBAYON SWIP	1	SURIGAO DEL NORTE	N	0	1
117	BSWM 127	APULANG SWIP	3	BUKIDNON	Y	4.9	7
118	BSWM 128	TALO-AD SWIP	3	AGUSAN DEL NORTE	N	4.9	7
119	BSWM 129	DUMALAGAN SWIP	1	AGUSAN DEL NORTE	N	0	8
120	BSWM 130	MINTU-OD SWIP	3	AGUSAN DEL NORTE	N	2	4

Table D.2.1 Factors for Evaluation of Priority Ranking (21/21)
 - BSWM - for Social/Environmental Impacts (No.4)

No.	AGENCY	PROJECT NAME	Equitable Distribution of Income (DI)	Relation with CARP (RC)		Degree of Land Acquisition Problem (LA)	Environmental Impacts (EI)
	Name No.		Income Level	Province Name	Y or N	Agricultural Land in Reservoir Area (ha)	Reservoir Area (ha)
121	BSWM 131	MALAPONG SWIP	3	AGUSAN DEL NORTE	N	0	2
122	BSWM 132	TALAGANAHAO SWIP	3	AGUSAN DEL NORTE	N	0	3
123	BSWM 133	KITAO-TAO SWIP	4	BUKIDNON	Y	2	4
124	BSWM 134	SAN RAFAEL SWIP	3	DAVAO ORIENTAL	N	0	5
125	BSWM 135	BUKAY-PAIT SWIP	4	SOUTH COTABATO	N	0	4
126	BSWM 136	LIBUDON SWIP	1	DAVAO ORIENTAL	N	0	1
127	BSWM 137	DIMADALIG SWIP	4	SOUTH COTABATO	N	0	2
128	BSWM 138	LIBASAN SWIP	2	DAVAO DEL NORTE	Y	0	11
129	BSWM 139	FLORIDA SWIP	2	DAVAO DEL NORTE	Y	4	8
130	BSWM 140	DAIMAN SWIP	4	DAVAO DEL NORTE	Y	0	4
131	BSWM 141	SAN NICOLAS SWIP	1	DAVAO DEL SUR	N	0	4
132	BSWM 142	BOLTON SWIP	3	DAVAO DEL SUR	N	0	1
133	BSWM 143	PEDTAP SWIP	2	NORTH COTABATO	N	1	2
134	BSWM 144	LOOY SWIP	5	MAGUINDANAO	Y	3	6
135	BSWM 145	DALINGAWEN SWIP	3	NORTH COTABATO	N	0	9
136	BSWM 146	TINIBTIRAN SWIP	3	NORTH COTABATO	N	2	4
137	BSWM 147	BUSOK SWIP	4	SULTAN KUDARAT	Y	0	2
138	BSWM 149	LANCHETA SWIP	2	SULTAN KUDARAT	Y	0	2
139	BSWM 150	NEW CARMEN	2	SULTAN KUDARAT	Y	0	14
140	BSWM 151	MALAGAKIT SWIP	3	NORTH COTABATO	N	1.8	6

Table D.2.2 Criteria of Priority Ranking (1/4)
- Project Rating (PR) -

$$PR = 30TS + 40EV + 30SE$$

Where,

TS = Merit Point of Technical Soundness

EV = Merit Point of Economic/Financial Viability

SE = Merit Point of Social/Environmental Impacts

Table D.2.2 Criteria of Priority Ranking (2/4)
 - Merit Point of Technical Soundness (TS) -

$$TS(30) = 20ZRF(6) + 20ZSE(6) + 10ZCD(3) + 10ZCW(3) + 20ZFC(6) + 20ZTD(6)$$

Where,

- RF = Water Resources Reliability Factor
- SE = Storage Efficiency
- CD = Unit Cost of Dam Construction
- CW = Unit Cost of Reservoir Water
- FC = Effect of Flood Control
- TD = Degree of Technical Difficulties

FACTORS FOR EVALUATION	MERIT POINTS
(1) RF = (Drainage Area x Annual Rainfall) / Storage Capacity	
(a) Less than 7 (too large dam)	50
(b) Between 7 and 12 (adequate scale)	100
(c) More than 12 (too small dam)	50
(2) SE = Effective Storage Capacity / Embankment Volume	
(a) Less than 5	50
(b) Between 5 and 30	50+((SE-5)x2)
(c) More than 30	100
(3) CD = Dam Construction Cost / Embankment Volume (P/m ³)	
(a) 200 and above	50
(b) Between 100 and 200	100-((CD-100)/2)
(c) Below 100	100
(4) CW = Dam Construction Cost / Storage Capacity (P/m ³)	
(a) 30 and above	50
(b) Between 10 and 30	100-((CW-10)x2.5)
(c) Below 10	100
(5) FC = (Reservoir Area at Full Water Level x Overflow Depth) / Drainage Area (mm)	
(a) Less than 50	50
(b) Between 50 and 300	50+((FC-50)x0.2)
(c) More than 300	100
(6) TD = Degree of Technical Difficulties for Construction Length of access road, availability of embankment materials, easiness of foundation treatment, diversion works and closure of river, etc. are considered.	
(a) High	50
(b) Medium	75
(c) Low	100

Table D.2.2 Criteria of Priority Ranking (3/4)
 - Merit Point of Economic/Financial Viability (EV) -

$$EV(40) = 40\%IR(16) + 10\%EO(4) + 10\%PB(4) + 30\%RB(12) + 10\%FR(4)$$

Where,

- IR = Economic Internal Rate of Return
- EO = Increase of Employment Opportunity
- PB = Number of Project Beneficiaries
- RB = Repayability of Beneficiaries
- FR = Annual Fund Requirement

FACTORS FOR EVALUATION	MERIT POINTS
(1) IR = Economic Internal Rate of Return (%)	
(a) Less than 10	50
(b) Between 10 and 20	$50 + ((IR - 10) \times 5)$
(c) More than 20	100
(2) EO = ((Construction Cost of Dam) x 0.15)/100 (man-days) The number of employee is estimated.	
(a) Less than 5,000	50
(b) Between 5,000 and 10,000	$50 + ((EO - 5,000) \times 0.01)$
(c) More than 10,000	100
(3) PB = Number of Project Beneficiaries (families) Estimated from irrigation area, generated power, etc., if not mentioned in the reports.	
(a) Less than 100	50
(b) Between 100 and 300	$50 + ((PB - 100) \times 0.25)$
(c) More than 300	100
(4) RB = Increase of Annual Income / (Annual Amortization + Annual O&M Costs) Annual Amortization = (Cost for Irrigation Facilities) x 0.9/25yrs Annual O&M Costs = (Cost for Irrigation Facilities) x 0.025	
(a) Less than 10	50
(b) Between 10 and 20	$50 + ((RB - 10) \times 5)$
(c) More than 20	100
(5) FR = Dam Construction Cost / Construction Period (₹/year)	
(a) More than 6 million	50
(b) Between 2 million and 6 million	$100 - ((FR - 2) \times 12.5)$
(c) Less than 2 million	100

Table D.2.2 Criteria of Priority Ranking (4/4)
 - Merit Point of Social/Environmental Impacts (SE) -

$$SE(30) = 33ZDI(10) + 33ZRC(10) + 17ZLA(5) + 17ZEI(5)$$

Where,

- DI = Equitable Distribution of Income
 RC = Relation with CARP
 LA = Degree of Land Acquisition Problem
 EI = Environmental Impacts

FACTORS FOR EVALUATION	MERIT POINTS
(1) DI = Income Class of Municipalities (Class I to VI)	
(a) Class I (more than P15 million)	30
(b) Class II (P10 million to P15 million)	30
(c) Class III (P5 million to P10 million)	65
(d) Class IV (P3 million to P5 million)	65
(e) Class V (P1 million to P3 million)	100
(f) Class VI (less than P15 million)	100
(2) RC = Relation with CARP (Comprehensive Agrarian Reform Program)	
(a) Priority Province in terms of Project Development and Implementation of the CARP Program	100
(b) Other Provinces	0
(3) LA = Existing Agricultural Land in the Proposed Reservoir Area (ha)	
(a) More than 10	50
(b) Between 5 and 10	75
(c) Less than 5	100
(4) EI = Reservoir Area (ha)	
(a) More than 100	50
(b) Between 5 and 100	$100 - ((EI-5)/1.9)$
(c) Less than 5	100

Table D.4.1 Priority Ranking of SWIM Projects (2/7)
- NIA - (No.1)

No.	Agency	Project Name	Project Location	Revised Cost (P1000)	Revised EIRR (%)	Pre-F/S	Technical Soundness (TS)	RF	SE	CD	CW	FC	TD	Value	IR	EO	PB	EB	FR	Value	DI	RC	LA	EI	Value	SE	30	
(1)	ERR>10%																											
1	NIA 132	TAYTAY SWIP		10,889	32.5	7	90	3	6	3	3	5	5	24	16	3	2	12	4	37	10	10	5	4	29			
2	NIA 136	ONDOL SWIP		26,776	24.4	7	88	3	6	3	3	6	5	25	16	4	3	12	3	38	7	10	5	3	25			
3	NIA 119	BONOT-BONOT SWIP		45,533	27.5	7	88	3	6	2	3	6	5	25	16	4	4	12	2	38	10	10	3	3	25			
4	NIA 49	BAYOG CIS		55,722	29.5	3	86	3	6	2	3	6	5	25	16	4	3	12	2	37	7	10	5	3	24			
5	NIA 111	BEZINGAN SWIP		44,084	17.1	5	86	3	6	3	3	3	5	23	14	4	4	9	2	33	10	10	5	5	30			
6	NIA 112	BAGASICO SWIP		33,155	20.0	7	85	3	6	2	3	3	5	21	16	4	4	10	2	36	10	10	5	4	29			
7	NIA 133	ABACA SWIP		25,959	20.2	7	85	3	5	2	3	4	5	22	16	4	3	12	2	37	7	10	5	4	26			
8	NIA 12	ILAVA SWIP	D/D	51,266	19.4	7	85	3	6	2	3	3	5	22	15	4	4	12	2	37	7	10	5	4	25			
9	NIA 138	SAN ISIDRO BANLASAN SWIP		26,303	32.2	7	85	3	6	2	3	3	5	22	16	4	4	12	3	39	7	10	5	3	24			
10	NIA 141	BIABAS SWIP		16,014	27.2	7	84	3	5	2	3	3	5	21	16	3	2	12	4	38	7	10	5	5	26			
11	NIA 130	CATUNGAN SWIM		24,293	15.6	7	83	6	4	3	3	3	5	23	12	4	2	12	3	34	7	10	5	5	26			
12	NIA 27	VEGA SWIP		30,148	16.6	1	82	6	6	2	3	4	5	25	13	4	2	12	2	33	7	10	5	3	25			
13	NIA 102	PILI SWIMP		11,707	29.9	5	82	3	6	2	3	4	5	26	16	3	2	12	4	37	10	0	5	4	19			
14	NIA 131	LAPACAN SWIP		23,963	25.5	7	82	3	4	2	3	3	5	21	16	4	3	12	4	38	7	10	3	4	23			
15	NIA 139	BANLASAN SWIP		19,594	23.0	7	81	3	4	2	3	3	5	20	16	4	2	11	4	37	7	10	5	5	24			
16	NIA 128	LUNGSODA-AN SWIP		6,507	29.1	7	80	3	6	2	3	6	5	25	16	2	2	9	4	33	3	10	5	4	22			
17	NIA 53	HANTEDED CIP		7,812	33.0	3	80	3	6	3	3	6	5	25	16	4	4	12	2	37	10	0	5	3	18			
18	NIA 101	POSTAGON SWIMP		30,763	23.9	5	80	3	6	2	3	6	5	25	16	4	4	12	4	32	7	10	5	4	26			
19	NIA 25	MASIDEM SWIP		43,031	17.4	1	79	3	5	2	3	3	5	21	14	4	4	8	2	32	7	10	5	4	26			
20	NIA 152	MAAYOG-TUBIG CIP		18,802	23.2	7	78	6	5	3	3	4	5	25	16	4	3	12	3	38	7	0	5	4	16			
21	NIA 99	JAMORAGON CIP		49,895	28.7	5	78	6	6	2	3	3	5	26	16	4	4	12	4	38	7	0	5	3	14			
22	NIA 120	CALUNASAN SWIP		16,659	14.2	7	77	3	4	3	3	3	5	21	11	4	4	2	11	3	32	7	10	4	5	25		
23	NIA 57	BIGBIGA CIS		21,101	17.8	3	77	3	4	2	3	6	5	22	14	4	3	6	3	31	7	10	5	3	25			
24	NIA 108	FINANGKOGAN SWIMP		31,465	25.2	5	77	3	6	3	3	6	5	25	16	4	4	11	2	37	10	0	3	3	15			
25	NIA 98	BATONGAN CIP		13,916	24.7	5	77	3	6	3	3	5	5	25	16	4	3	11	3	37	7	0	5	4	15			
(2)	OECF Candidate Projects																											
26	NIA 7	CARAMOAN SWIP	D/D	48,396	16.4	5	78	3	3	2	2	3	6	19	13	4	4	10	2	33	7	10	5	5	26			
27	NIA 6	POTOT SWIP (SCHEME-I)	D/D	35,258	13.2	5	70	6	5	3	3	3	6	26	11	4	4	7	2	28	7	0	5	4	16			
28	NIA 15	BUCAGAO SWIP	D/D	62,581	10.7	9	62	3	5	2	3	6	2	21	9	4	4	7	2	25	7	0	5	4	16			
29	NIA 4	PARGOJA SWIP (SCHEME-I)	D/D	81,292	8.7	7	58	3	4	2	3	3	3	18	8	4	4	6	2	24	10	0	3	4	16			
30	NIA 11	TUGAS SWIP	D/D	46,153	6.6	7	75	3	3	3	3	4	6	22	8	4	4	10	2	27	7	10	5	5	26			

-- A Group --

Table D.4.1 Priority Ranking of SWIM Projects (4/7)
 - BSMW - (No.1)

Agency No.	Project Name	Project Location	Revised Cost (P1000)	Revised ERR	Status	Region	Technical Soundness (TS)										Economic Viability (EV)										Social/Environ(SE)				
							RF	SE	CD	CW	FC	TD	Value	IR	EO	PB	RB	FR	Value	DI	EC	LA	EI	Value	SE						
-- A Group --																															
1	BSMW 8	ODA SWIP	9,207	22.6	D/D		6	6	3	3	3	6	6	27	16	3	2	10	3	34	10	5	5	5	26	5	30				
2	BSMW 35	NAGANAGAN SWIP	9,303	26.7	D/D		3	3	3	3	3	6	6	24	16	2	2	9	4	33	10	10	5	5	5	30	5	27			
3	BSMW 19	VIGA SWIP	5,071	29.3	D/D		6	6	3	3	3	4	6	26	16	2	2	10	4	34	7	10	5	5	5	27	5	30			
4	BSMW 45	ANNEG SWIP	18,125	35.7	D/D		3	3	3	3	3	5	6	23	16	4	4	10	3	37	7	10	5	5	5	26	5	26			
5	BSMW 17	PATAK SWIP	5,592	22.6	D/D		3	4	3	3	2	5	6	23	16	2	2	12	4	36	7	10	5	5	5	27	5	27			
6	BSMW 144	LOOY SWIP	7,368	19.9	D/D		3	3	3	3	2	5	6	21	16	3	2	10	3	34	10	10	5	5	5	30	5	30			
7	BSMW 74	NAMULANDAYAN SWIP	24,840	34.3	D/D		3	6	3	3	3	6	5	25	16	4	4	7	3	34	7	10	5	4	4	26	5	30			
8	BSMW 63	VILLA BOADO SWIP	5,733	29.9	D/D		3	4	3	3	3	5	6	22	16	2	2	8	4	32	10	10	5	5	5	30	5	30			
9	BSMW 51	YEBAN SWIP	7,948	17.3	D/D		6	3	3	3	2	5	6	26	16	2	2	8	4	32	10	10	5	5	5	27	5	30			
10	BSMW 16	CAMAGSINGALAN SWIP	4,303	22.6	D/D		3	3	3	3	2	5	6	22	16	2	2	8	4	32	10	10	5	5	5	27	5	30			
11	BSMW 37	MINAGBAG	6,769	16.2	D/D		3	3	3	3	2	5	6	23	13	3	2	9	3	30	10	10	5	5	5	30	5	30			
12	BSMW 15	SAN GONZALO SWIP	7,528	11.8	D/D		6	3	3	3	2	6	6	26	16	9	3	2	10	3	27	10	10	5	5	30	5	30			
13	BSMW 127	APULANG SWIP	5,156	30.3	D/D		3	3	3	3	2	4	6	26	16	2	2	6	4	31	7	10	5	5	5	26	5	26			
14	BSMW 102	BONG-BONG I SWIP	5,856	39.5	D/D		3	3	3	2	2	4	6	22	16	2	2	10	4	34	7	10	5	5	5	27	5	27			
15	BSMW 72	STO DOMINGO I SWIP	4,946	20.0	D/D		3	5	2	2	3	3	6	23	16	2	2	6	4	30	10	10	5	5	5	30	5	30			
16	BSMW 32	MARAKA SWIP	3,558	23.4	D/D		6	3	2	2	4	6	6	23	16	2	2	12	4	38	3	10	5	5	5	23	5	23			
17	BSMW 9	PUGARO SWIP	5,309	25.5	D/D		6	3	2	3	2	3	4	26	16	2	2	6	4	30	7	10	5	5	5	26	5	26			
18	BSMW 103	BONG-BONG II SWIP	4,946	31.1	D/D		3	4	2	3	5	6	6	23	16	2	2	8	4	32	7	10	5	5	5	27	5	27			
19	BSMW 96	DITA II SWIP	4,091	18.4	D/D		3	3	2	2	2	5	6	22	15	2	2	10	4	33	7	10	5	5	5	27	5	27			
20	BSMW 69	STA FILOMENA SWIP	1,429	28.9	D/D		3	4	2	3	2	3	5	24	16	2	2	11	4	35	3	10	5	5	5	23	5	23			
21	BSMW 64	BUTID SWIP	6,742	17.5	D/D		3	4	3	3	4	6	6	23	14	3	2	6	4	28	10	10	5	5	5	30	5	30			
22	BSMW 138	LIBASAN SWIP	16,107	27.7	D/D		3	4	2	3	3	5	6	24	16	4	3	9	3	34	3	10	5	5	5	23	5	23			
23	BSMW 14	MABINI SWIP	5,785	20.2	D/D		3	4	2	3	3	5	6	23	16	2	2	7	4	31	7	10	5	5	5	27	5	27			
24	BSMW 46	VICTORIA SWIP	3,576	24.7	D/D		6	3	3	3	3	6	6	26	16	2	2	10	4	34	10	0	5	5	5	20	5	20			
25	BSMW 124	LABUAGON SWIP	4,909	37.2	D/D		3	3	2	2	2	5	6	21	16	2	3	8	4	33	7	10	5	5	5	27	5	27			
26	BSMW 18	MAUMPIN SWIP	8,943	21.4	D/D		3	3	3	3	3	3	6	23	16	2	2	6	4	30	3	10	5	5	5	26	5	26			
27	BSMW 94	BUENAVISTA SWIP	3,576	15.2	D/D		6	3	3	3	2	4	6	24	12	2	2	6	4	26	10	10	5	5	5	30	5	30			
28	BSMW 97	SAN JOSE SWIP II	4,809	16.2	D/D		3	3	2	2	2	6	6	21	13	2	2	12	4	33	7	10	5	5	5	27	5	27			
29	BSMW 71	MAASIN SWIP	11,641	15.8	D/D		3	3	3	3	3	4	6	22	13	4	2	7	3	28	10	10	5	5	5	30	5	30			
30	BSMW 60	SAMPALOC SWIP	8,164	16.2	D/D		3	3	3	3	3	4	6	22	13	3	2	6	3	28	10	10	5	5	5	30	5	30			
31	BSMW 147	BUSOK SWIP	6,413	22.3	D/D		3	3	2	2	2	5	6	22	16	2	2	7	4	32	7	10	5	5	5	27	5	27			
32	BSMW 95	DITA I SWIP	6,133	17.0	D/D		3	3	2	2	2	5	6	21	14	3	2	11	3	32	7	10	5	5	5	27	5	27			
33	BSMW 42	TRINIDAD SWIP	9,525	16.3	D/D		3	3	2	2	2	5	6	22	13	3	2	10	3	31	7	10	5	5	5	27	5	27			
34	BSMW 51	CABANUNGAN SWIP	7,816	27.7	D/D		3	3	3	3	3	4	6	22	16	2	2	10	4	34	3	10	5	5	5	23	5	23			
35	BSMW 69	STO DOMINGO II SWIP	4,854	15.9	D/D		3	4	3	3	3	4	6	22	13	2	2	6	4	27	10	10	5	5	5	30	5	30			
36	BSMW 34	DIADI SWIP	14,678	24.8	D/D		3	3	3	2	6	6	6	22	16	3	2	12	3	36	10	0	5	5	5	20	5	20			
37	BSMW 48	SAN FRANCISCO SWIP	7,053	34.4	D/D		3	4	3	3	2	6	6	24	16	2	2	10	4	34	10	0	5	5	5	20	5	20			
38	BSMW 36	BALETE SWIP	4,257	28.4	D/D		3	3	2	2	2	6	6	22	16	2	2	12	4	36	10	0	5	5	5	20	5	20			
39	BSMW 140	DAUMAN SWIP	4,038	14.5	D/D		6	4	2	3	4	6	6	25	12	2	2	6	4	26	7	10	5	5	5	27	5	27			
40	BSMW 75	PARISTA SWIP	10,875	16.9	D/D		3	3	3	3	2	6	5	22	14	3	2	7	3	29	7	10	5	5	5	26	5	26			

-- to be continued --

Table D.4.1 Priority Ranking of SWM Projects (5/7)
 - BSWM - (No.2)

No.	Agency	Project Name	Status	Region	Cost (P1000)	Revised	Revised	IR	EO	PB	RB	FR	Value	DI	RC	LA	EI	Value							
41	BSWM 67	STA. CATALINA SWIP	D/D		3	5,496	13.5	3	2	4	6	6	21	11	2	2	7	4	26	10	10	5	5	30	
42	BSWM 40	SAN ANTONIO SWIP	D/D		2	7,466	27.4	3	3	3	5	6	26	16	3	2	10	3	35	7	0	5	5	17	
43	BSWM 150	NEW CARMEN	D/D		12	8,872	27.8	3	3	3	3	6	22	16	3	3	6	4	32	3	10	5	5	23	
44	BSWM 59	GANZANO SWIP	D/D		2	7,880	17.6	3	2	6	6	6	26	14	3	2	12	3	34	7	0	5	5	16	
45	BSWM 128	TALO-AO SWIP	D/D		10	10,435	30.8	3	3	3	3	6	24	16	4	3	11	3	37	7	0	5	5	16	
46	BSWM 33	CABULUAN SWIP	D/D		2	10,734	19.8	3	3	3	5	6	26	16	4	2	9	3	32	7	0	5	5	16	
47	BSWM 130	MINTU-OD SWIP	D/D		10	6,501	35.6	3	3	2	6	6	23	16	2	2	11	4	36	7	0	5	5	17	
48	BSWM 66	VILLA ISLA SWIP	D/D		3	5,824	31.5	3	3	3	3	5	21	16	2	2	8	4	32	3	10	5	5	23	
(2) OECF Candidate Projects																									
49	BSWM 98	STO. NINO SWIP	D/D		7	8,722	28.2	3	3	3	4	6	25	16	3	2	9	4	34	7	10	5	5	26	
50	BSWM 135	XITAO-TAO SWIP	D/D		10	10,277	41.0	3	3	3	5	6	21	16	3	3	10	4	36	7	10	5	5	27	
51	BSWM 112	CAMPEN SWIP	D/D		8	4,937	23.8	3	3	3	3	6	23	16	2	2	8	4	32	7	10	5	5	26	
52	BSWM 61	STO. DOMINGO III SWIP	D/D		3	6,843	27.5	3	4	3	3	4	6	24	16	3	2	7	4	32	7	10	5	5	26
53	BSWM 139	FLORIDA SWIP	D/D		11	9,732	31.7	3	4	3	3	5	23	16	4	3	10	3	35	3	10	5	5	23	
54	BSWM 110	INAMBURAC SWIP	D/D		8	5,685	15.5	3	2	5	6	6	25	12	3	2	10	3	30	10	0	5	5	20	
55	BSWM 145	DALINGAVEN SWIP	D/D		12	12,066	38.8	3	3	3	3	6	21	16	4	4	10	3	37	7	0	5	5	16	
56	BSWM 114	POLANQUI SWIP	D/D		8	3,578	33.7	3	3	2	5	6	22	16	2	2	11	4	35	7	0	5	5	17	
57	BSWM 62	MASAUPIIT SWIP	D/D		3	7,735	43.7	3	3	3	3	6	27	16	2	2	9	4	33	3	0	5	5	13	
58	BSWM 73	MANGANDINGAY SWIP	D/D		3	7,259	15.2	3	3	2	4	6	22	12	3	2	7	3	28	3	10	5	5	23	
59	BSWM 111	STA. FE SWIP	D/D		8	6,387	34.3	3	3	3	3	6	21	16	3	2	9	4	34	7	0	5	5	17	
60	BSWM 88	PINONAY SWIP	D/D		6	3,632	18.2	3	3	2	5	6	21	15	2	2	12	4	35	7	0	5	5	17	
61	BSWM 96	PANLAGANGAN SWIP	D/D		6	4,251	12.4	3	2	5	6	6	21	10	2	2	6	4	24	7	10	5	5	27	
62	BSWM 65	MANINOC SWIP	D/D		3	5,438	7.7	3	3	2	6	6	22	8	2	2	6	4	22	7	10	5	5	27	
63	BSWM 141	SAN NICOLAS SWIP	D/D		9	8,273	29.8	3	3	2	2	5	6	20	16	3	2	10	4	34	7	0	5	5	13
64	BSWM 120	FLAMARE I SWIP	D/D		9	5,407	19.8	3	3	2	6	6	22	16	3	2	11	3	35	3	0	5	5	13	
65	BSWM 91	TRACIANO SWIP	D/D		6	4,250	15.7	3	3	2	6	6	22	16	2	2	7	4	31	7	0	5	5	17	
66	BSWM 77	LAGUHLONG SWIP	D/D		4	5,372	13.9	3	3	3	3	5	6	23	11	2	2	7	4	27	10	0	5	5	20
67	BSWM 149	LANGHETA SWIP	D/D		12	3,489	10.0	3	2	5	6	6	21	8	2	2	8	4	24	3	10	5	5	23	
68	BSWM 131	MALAPONG SWIP	D/D		10	7,513	29.6	3	3	2	6	3	19	16	3	3	6	4	32	7	0	5	5	17	
69	BSWM 3	OLO-OLO II SWIP	D/D		1	6,325	7.9	3	3	2	6	6	22	8	3	2	10	3	26	10	0	5	5	20	
70	BSWM 79	BAVIN SWIP	D/D		4	4,102	15.6	3	3	2	6	6	23	12	2	2	8	4	28	7	0	5	5	17	
71	BSWM 143	PEDAP SWIP	D/D		12	7,719	15.0	3	3	2	6	6	23	12	3	2	8	3	29	3	0	5	5	13	
72	BSWM 135	BUKAY-PALT SWIP	D/D		11	12,316	17.5	3	3	2	5	5	20	14	4	2	6	3	30	7	0	5	5	17	
73	BSWM 134	SAN RAFAEL SWIP	D/D		11	6,319	9.5	3	3	3	3	5	6	23	12	3	2	10	3	26	7	0	5	5	17
74	BSWM 80	CAMBURAY SWIP	D/D		4	8,535	14.7	3	3	3	3	5	6	23	13	2	2	10	3	30	3	0	5	5	13
75	BSWM 85	GABAWAN	D/D		5	6,119	16.2	3	4	3	3	5	6	23	13	2	2	6	4	27	7	0	5	5	13
76	BSWM 82	BUENASUERTE SWIP	D/D		5	5,251	2.8	3	3	2	4	6	24	8	2	2	6	4	22	7	0	5	5	17	
77	BSWM 83	BULNAO SWIP	D/D		5	5,717	11.5	3	3	2	6	6	22	9	2	2	6	4	24	7	0	5	5	17	
78	BSWM 99	NANCKA SWIP	D/D		7	4,317	12.3	3	3	2	6	6	23	10	2	2	9	4	27	3	0	5	5	13	

-- A Group --

(1) IRR>10%

