Table 3.1.2Major Features of Completed/On-going SWIM projects (2/2)

	Difficult lard acquisition and frequent bogging down of equipment Frequent typhoons and lack of zen-power and equipment to fund evailable for additional vorks Contractor abendoned after complexing about 267 Only 3 nonths dry season recurring for past 4 years thrinely release of finds Untimely release of finds Scentry condition in its locality Scentry condition in its locality Scentry condition in its locality Scentry condition in its locality Bullyed find release Delayed find release	
Qurrent Problem	Difficult lard acquisition and frequent bogging Frequent typboons and lack of man-power and equ No fund swilable for additional works Concretor abardoned after complexing about 263 Only 3 oraths dry season recurring for past 4 y Untimely release of funds Untimely release of funds Patispe fund release Delayed fund release Delayed fund release	
Period (Marth)	* L 3 8 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Date Compie.	Mar	
Date Started	Yar	
Const. Cost : (Peso 7.)	18,377 62,723 14,700 16,820 3,306 3,306 1,203 1,203 1,203 1,203 1,203 3,200 3,200 3,200 3,000 3,000	
Lirri. Area (ha) ()	11,950 272 288 288 288 788 788 875 875 875 875 875 875	
Storage Capacity (cu.m)	930,000 630,000 478,000 1,760,000 561,500 561,500 350,900 350,900 32,000 885,000	
Reserv. Area (ha)	22.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	
Dem Volume (cu.m)	98,300 230,000 50,000 15,437 1164,517 1164,517 1125,588 1125,588 1125,588 1125,588 114,300	
(East Leagth	299839 <sup>-</sup> 859889	
Dom Beight (m)	414 518 517 517 517 517 517 517 517 517 517 517	
Type of Dun	Barthfill Barthfill Barthfill Barthfill Earthfill Earthfill Caeck Dams Caeck Dams Caech	
Region	<b>⋼⋛</b> ⋼⋳⋳⋬⋧ <mark>⋚</mark> ≈ॅॅॅая⋛	
Name of Project Region	Finsel Fall Jaro Sta. Muria Lupao San. Julian Eargao Bargao Baraan Panantun Laraan Panantun Laraan Cabargi asan Kudingi Lan Kudingi Lan Kudingi Lan Kudingi Lan Kudingi Lan	Note: 7 : no data available.
No. Agency	こ 日	Note: 1 : DA

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											-
PROJECT NO. PROJECT NAME IMPLEMENTING AGENCY		Ko.l Ilihan NIA	No.2 Darapidap BSHM	No.3 Malinao BSWM	Ho.4 Pasig Timbu FMB	No.5 Mantayupan NEA	No.6 Bacnotan FSDC	No.7 Porac PMO-SWIM/DPWH	No.8 Kirong PMO-SWIM/DPWH	No.9 San Ramon PHO-SWIM/DPWH	No.10 Calanggaran BSHM/DPHH/NIA
PURPOSE -Major		Irrigation -150ha	Irrigation -30ha	Irrigation -20ha	Hatershed Mana. -7.440ha	Mini-hydro. -500 kW	Irrigation -199ha	Mini-hyrdo. -100 kW	Flood Control	lrrigation -SOha	Irrigation -100ha
-Incidental	· .	Flood Control	Watershed Devel Inland Fishery Flood Control	Watershed Devel.Watershed Devel.Flood Control Inland Fishery Flood Control	.Flood Control	Irrigation	Flood Control	Irrigation Flood Control Inland Fishery	Irrigation	Matershed Devel. Inland Fishery Flood Control	.Inland Fishery Flood Control Mater Supply
PRESENT STATUS -Dam -Irri./Power/Others		Functioning Functioning	funct ioning Funct ion ing	Functioning Not completed	No Monitoring No Monitoring	Functioning Functioning	Functioning Functioning	Hashed away No functioning	Damaged No functioning	No functioning Not constructed	Under Construct Not constructed
BACKGROUND -for F/S -for D/D -for Construction		Not prepared 1980, NIA 1980-1983, NIA 1985, Repaired	1983, BSWM 1983, BSWM 1983-1984, BSWM	1983, BSWM 1983, BSWM 1983-1984, BSWM 1	2, FMB 1981, FMB 1981-1984, FMB	1980, NEA 1981, NEA 1982-1984, NEA	1978, FSDC 1979, FSDC 1980-1986, FDSC	1981, DPHH 1981, DPHH 1982-1984, DPHH 1986, weshed away	1983, ОРНН 1984, ОРНН 1984-1987, ОРНН У	1963, 85нн 1983, 85нн 1987, 0рнн	1983, 85MM 1983, 85MM 1987-present,DP actually by MIA
O&M SYSTEM -Dam -Irri./Power/Others		Association/NIA Cooperative Association Cooperative	. Cooperat ive Cooperat ive	Association Association	FMB Dist.Office ( FMB Dist.Office (	cooperative cooperative	Association Association	Not managed Not managed	Not managed Not managed	Not organized Not organized	Not organized Not organized
HAJOR OIFFERENCE OF PROJECT FEATURE -Dam Height Plan 23 m Actual 25 m -Storage Capacity Plan 700,00 Actual 775,000	PROJECT P Plan Actual Plan Actual	- 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12.9 = = = = = = = = = = = = = = = = = = =	6.6 m 9 m 50,000 m3 76,800 m3	· • • • • •	E E	24 m 24 m 1,570,000 m3 1,570,000 m3	25 m 25 m 672,500 m3 672,500 m3		13 m 13 m 91,370 m3 91,370 m3	17.5 m 390,500 m3
-Irrigable Area Wet Season Dry Season			30 ha 30 ha 30 ha 5 ha	20 ha 4 ha 0 ha 1 ha		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	199 ha 155 ha 70 ha 50 ha	240 ha - 120 ha -		50 ha 0 ha 0 ha	100 ha
-Lince for variant -Construction Period (Dam) -Construction Cost -Economic (IRR)	J		- 10 months P1,804,860 3.04	1.7 years P2,238,000	- 3 years P1,223.725 P1,447,015	s ars 3.000 0.97 P/kH		s ,000 3,254	- 3.5 months - - -	- 5 months P3,886,247	- - P6,700,000 49.5 \$

I faior Features of 10 Completed Projects for Post-Evaluation Study

	ENGINEERING AND TECHNICAL ASPECTS	g the first year of dam operation just af etion of the dam, seepage occurred at the upper p ownstream slope when the water level reached at	This would be caused by insufficient height t impervious core and its loose compactions the dam safety, the repair works to raise to	height of impervious core and dam crest were conducted in 1985 at a cost of P2.66 Million.	g the construction, the spillway we. ight abutment to the left abutment.	week roundstion (nigny) weethered rock) and the nauling of borrow materials for dam embankment.	3. Due to deterioration of slope of irrigation canals. rehabilitation of canals such as canal lining will be required.	SOCIO-ECONOMIC ASPECTS	<ol> <li>Due to shortage of irrigation water during the dry season, the cropping area of rice in the dry season is limited to 100 ha.</li> </ol>	ts planned, ser ting 460 farmer the increase	production in the area thereby enhancing the economic condition of the farmers.	3. EIRR is estimated at 10.5% on the present condition, but the present condition, but	ldards.			<ol> <li>Irrigation fee is collected from the farmers at the rate of a schladin to see of a schladin to schladin</li></ol>	used for 04M of the intigention factoristics. Other than the first of the intigention factoristics.	the irrigation ree, the Association is subsidized the Ven cost of P3,000 annum from the NIA Central Office for Oak of the dem	10 U	uaintenance of the dam.	3. The access road leading to the damsite is not properly maintained.	
Table 3.4.2 Results of Post Evaluation Study (1/10) Ilihan SWIP		T NUMBER : No.1 T NAME : Ilingn SWIP	ACENCY : Region VII, Bohol.	10000000000000000000000000000000000000	PURPOSE : Major : Irrigation, Plan : 150 ha	2	<u>PRESENT STATUS :</u> Dam : Functioning well Irrigation : Functioning well	: CNNO	F/S : Not prepared D/D : 1980 by NIA Central Office Construction : 1980-1983 by NIA Bchol Provincial Irrigation Office. NIA Bchol POI. Repaired in 1985 by NIA Bchol POI.	a Tubigon I	PRINCIPAL FEATURE : Plan Actual	Dan Type :Zoned Earthfill Zoned Earthfill Zoned Earthfill 20an Heicht 25 h	: 125 8 145	95,000	Storage Capacity : 700,000 m <sup>3</sup> 775,0 Area :	Wet season : 150 ha 150 ha Dre cancon : 150 ha 100 ha		Vonschadnikon kan 3.75 years Dan 3.5 years 117 years 217 years	: P 8,784,534 ation : P 2,179,303	Total : FIO,963,837 FIO,724,856 Repairing Cost of Dam : FIO,963,837 F 2,654,687		***************************************

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Table 3.4.2 Results of Post Eval Darapidap SWIP	Results of Post Evaluation Study (2/10) Darapidap SWIP	y (2/10)	E E - E E - F F - F E -	RING AND TECHNICAL ASPECTS	
NUMBER : Darapi		6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 6	the borrow area	our. is eroded. Some
ACENCY : Bureau of S LOCATION : Region II.	oils and Wate Nueva Vizcaya	- Henagement r Management , Aritao	e		G. water especially in the date especially in the
NOLUSION DESCRIPTION NOT STREET	5 5 7 7 7 7 1 1 1 1 1 1	• 4 1 1 1 1 1 2 2 2 3 1 1 1 1 1		ary seasons threathers or the tail of the	44 32441724 4 84 38
PURPOSE : Major : Irrigation,	Flan : 30	66 c , 41 - 4	Socto	SOCIO-ECONOMIC ASPECTS	
A Incidental : Watershed Deve Inland Fishery Flood Control	lopment Lopment	5	Ч	rea in th d crops of season is	0 hs : 6 Lrrige Shortge
<u>PRESENT STATUS :</u> Dam : Functioning Irrigation : Functioning	ing well Ing well	• • •		water to assure the water rights downstream of the This is caused by insufficient investigation of water rights in and around the dam during the plan stage.	s downstream of the dam, t investigation of the dam during the planning
<b>നന</b>	WM Central WM Central by BSWM Cen tigetion;	Office Office itral Office Transdare Service	N	After completion of the dam, 18,000 of fingerlings of Tilapia were supplied by BFAR in 1984 and 1985. Farmers catched 1 to 3 kg of Tilapia at intervals of about one month. Since 1986, supply of Tilapia fingerling from BFAR has been stopped when it attained	of fingerlings of 1984 and 1985. 1 at intervals of pply of Tilspia when it attained
Cooperative.	Inc.	) )		Deficiencial teo Total for the Statistical Statistical Statistics	43 fr coorererion
PRINCIPAL FEATURE :	Ріал	Actual	a	Relutestation has been converted of a with the Cooperative. Juyilina (of par has not grown well because of inf	paper tree) planted infertile soil and
Dam Type Dam Height	Евгthfill 12.9 m	Earchfill 12.9 m	4	3.0%, but the	project contributes
Crest Length Embankment Volume		130 B 70.257 B		nhance farmers' living conditi ce production.	chrough increase
	ត				
רי הי			0		
Dry season : Irrigation Canal :	80 00 81 28 81 28		۲.	irrigation fee is collec	
Construction Ferlod Dam		10 Months	·	cropping. cessary for	gation tee covers works managed by
Irrigation : Construction Cost :	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		the Cooperative. However, the Cooperative e sometimes money shortage for proper OiM vorks.	ative encounters I vorks.
Dam Trigation Total	<b>1 1 1</b>	L,804,	2	ion to the shortage r rights, the opera	a a a a a a a a a a a a a a a a a a a
			•	is very low because a proper operatio dam and irrigation facilities is not pr	ion manual of the prepared.

1. Sedimention Folly arise in the fail relet in the rail relet in the rail relation in the rail relatin the rail relation in the rail relation in the rail rel	1 auto 3.4.2 Acours	c) yours of Fost Evaluation Study ()	(01/c)	ENGINEERING AND TECHNICAL ASPECTS
Burgen of Suits and Warer Wanagman, Bargen of Suits and Warer Wanagman, Bargen void in the set wanagman, increhed Development       1. Intigation, 21m, 12.0         Intigation, 21m, 120 ha Margen beelopment       3. The intrigation finities water reserved by the dam.         Functioning       3. Thill filter water reserved by the dam.         Functioning       3. Although the intrigation intrea water reserved by the dam.         Functioning       3. Although the intrigation interved by the dam.         Functioning       3. Although the intrigation interved by the dam.         Functioning       3. Although the intrigation interved by the dam.         Structioning       3. Although the intrigation interved by the dam.         Structioning       3. Although the intrigation interved by the dam.         Structioning       3. Although the intrigation of intrigation interved by the dam.         Structioning       3. Although the intrigation of intrigation interved by the dam.         Structioning       3. Although the intrigation of intrigation interved by the dam.         1303 Uy Symbolic Action of the dam.       3. Although the intrigation of intrigation interved by the dam.         1303 Uy Symbolic Action of the dam.       3. Although the intrigation of intrigation interved by the dam.         1303 Uy Symbolic Action of the dam.       3. Although the intrigation of intrigation interved by the dam.         1404 Acting to the dam.       3. Althout action of the d	NUMBER :	0 8 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 1	Sedimentation problem arises in the dam reservoir. The sound design was done for the small scale dam
<pre>1 1:10 1 Trigation (Atau): 4 ha 1 Trigation (Atau): 4 ha 1 Trigation (Atau): 4 ha 1 Trigation facilities are not completed yor. 7 1 Miland Tishery 1 Miland Trigation factor 1 Miland Trigation 1 Miland Trigation</pre>	1 5 7 8 8 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Leneral Mater Is and Water Southern Ley		height of 9 m; it width ; 4.0 m
<pre>Irrigation Fiam : 20 ha Actual: 4 ha Ac</pre>	PROJECT DESCRIPTION	1   	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ре: 
<pre>turcioning finetoning functioning in the functioning in the function in the functioning in the function in the function in the functioning in</pre>		, 20 , 20		The irrigation facilities are not completed yet. T (mulamentation ulan chould be car un coon
Functioning Funct		•		reserved by the dam.
<pre>: Functioning. but not fully completed : First field in both wet and some the present the present in the wet and none in the wet and none. This work with the form the wet and the wet and none. This work with the form the wet and the</pre>	STATUS :			ASPECTS
<pre>1983 by 35WM Central Office 1983 by 705 by</pre>	igation :	but not fully	ompleted	Although the arrigation area was scheduled to b
1       After completion of the dam, some fingerings         by Farmers' Association       2. After completion of the dam, some fingerings         by Farmers' Association       11apia were released by BFAR, since 1984, supply fingerings from BFAR has been stopped when it attain         by Farmers' Association       1000 model and trained a	••••	00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		leld in both wet and dry seasons, the n ærea is only 4 ha in the wet and non n due to no provision of irrigation fa trol of reservoir operation.
FlanActualinserlings from Strong Fran Stopped When: RomogeneousHomogeneousActual: RomogeneousHomogeneousActual: RomogeneousBReforestation Works have not been done. Thi: 176 m174 m: 176 m174 m: 176 m45.144 m: 2.4 hm75.800 m: 2.6 hm1. The irrigation fee is not fully collected: 2.6 hm1. The irrigation fee is not fully collected: 2.6 hm2.6 hm: 2.6 hm1. The irrigation fee is not fully collected: 2.6 hm1. The irrigation fee is not fully collected: 2.6 hm1. The irrigation fee is not fully collected: 2.6 hm1. The irrigation fee is not fully collected: 2.6 hm0 hm: 2.000 m0 hm: 2.238.000 m2. The operation efficiency of the dam is very: 1.7 years1.7 years: 2.238.0001.7 years: 2.238.0001.14.000 m/ays.		енстал tion	ני	After completion of the dam, some fing Tilapia were released by BFAR. Since 1984
Type: Homogeneous3. Reforestation works have not been done. This workReight: 16 m. 17 mt length: 17 m. 17 mtrool: 17 m. 17 mtrool: 17 m. 17 mstionIters. 17 mstionIters. 17 mstioniters. 1000 mstion. 1000 m. 1000 mstion. 1000 m. 1000 mstion. 1000 m. 1000 mstion. 1000 m. 1000 mstion <td< td=""><td>RINCIPAL FEATURE:</td><td>Plan</td><td>Actual</td><td>trom BFAR has been stopped when ion level.</td></td<>	RINCIPAL FEATURE:	Plan	Actual	trom BFAR has been stopped when ion level.
Height $6.6 \text{ m}$ $9 \text{ m}$ be handled by FKB. $1.66 \text{ m}$ $1.74 \text{ m}$ $-1.44 \text{ m}$ $-1.44 \text{ m}$ $1.76 \text{ m}$ $1.744 \text{ m}$ $-1.44 \text{ m}$ $-1.44 \text{ m}$ $1.76 \text{ m}$ $1.744 \text{ m}$ $-1.44 \text{ m}$ $-1.44 \text{ m}$ $1.76 \text{ m}$ $2.4 \text{ hm}$ $2.6 \text{ hm}$ $2.6 \text{ hm}$ $1.746 \text{ m}$ $1.765 \text{ m}$ $2.4 \text{ hm}$ $2.4 \text{ hm}$ $2.6 \text{ hm}$ $1.746 \text{ m}$ $1.765 \text{ m}$ $2.4 \text{ hm}$ $2.6 \text{ hm}$ $1.746 \text{ m}$ $2.6 \text{ hm}$ $2.4 \text{ hm}$ $2.6 \text{ hm}$ $2.6 \text{ hm}$ $1.766 \text{ m}$ $2.6 \text{ hm}$ $2.4 \text{ hm}$ $2.6 \text{ hm}$ $2.6 \text{ hm}$ $1.766 \text{ m}$ $4.6 \text{ m}$ $2.6 \text{ hm}$ $2.6 \text{ hm}$ $2.6 \text{ hm}$ $1.766 \text{ m}$ $4.6 \text{ m}$ $2.6 \text{ hm}$ $4 \text{ hm}$ $0.8 \text{ hm}$ $2.76 \text{ m}$ $4.6 \text{ m}$ $4.6 \text{ m}$ $1.7796 \text{ m}$ $2.786 \text{ m}$ $2.716 \text{ m}$ $2.716 \text{ m}$ $4.6 \text{ m}$ $4.6 \text{ m}$ $1.7796 \text{ m}$ $2.733.000$ $1.796 \text{ m}$ $2.233.000$ $1.7166 \text{ m}$ $1.769 \text{ m}$ $1.769 \text{ m}$ $1000 \text{ m}$ $1.7126 \text{ m}$ $1.7800 \text{ m}$ $1.7166 \text{ m}$ $1.7600 \text{ m}$ $1.64 \text{ m}$ $1.7166 \text{ m}$ $1000 \text{ m}$ $1.7233.000$ $1.723.000$ $1.7166 \text{ m}$ $1.7690 \text{ m}$ $1.7690 \text{ m}$ $1.7690 \text{ m}$ $1000 \text{ m}$ $1.7160 \text{ m}$ $1.723.000$ $1.723.000$ $1.7166 \text{ m}$ $1.7600 \text{ m}$ $1.7600 \text{ m}$ $1000 \text{ m}$ $1.7600 \text{ m}$ <t< td=""><td>Dam 740e</td><td></td><td>Нопоредерия</td><td>. Reforestation works have not been done. This work</td></t<>	Dam 740e		Нопоредерия	. Reforestation works have not been done. This work
116 m 174 m 174 m $(x) = 1, 0$ m $($	Dam Height	E 0.0	E 0	EWB.
<pre># 2.4 ha 2.6 ha 2.6 ha 1. The irrigation fee is not fully collected from # 20 ha 4 ha 2 money shortage for pruper OfM works. # 20 ha 0 ha 2. The operation encount # 4 ha 0 ha 2. The operation efficiency of the dam is very low beca # 1.7 years 2.15 hou prepared. The farmers open the g # 2.238.000 in their own ways. The prepared. The farmers open the g</pre>	Crest Length Embankment Volume	៨៨	e e	JAM ASPECTS
<ul> <li>a pactury i you use the first of the farmers.</li> <li>a that a constraint of the farmers of the g</li> <li>a proper operation manual of the farmers open the g</li> <li>a proper operation manual of the farmers open the g</li> <li>a proper operation manual of the farmers open the g</li> </ul>	Reservoir Area	2.4	<u></u> д (	
n : vons 4 na 0 ha sometimes money snortage for proper Oam 4 ha 0.8 km 2. The operation efficiency of the dam is v a proper operation manual of the dam is r = 7 2.238,000 in their own ways. The farmer	priective officage why. Irrigation Area			the FirthGalton for 15 Move Furth Contracted Atom farmers. Therefore, the Association encount
<ul> <li>Am 0.8 km 2. The operation efficiency of the dam is viewer operation manual of the dam facilities 'is not prepared. The farmers</li> <li>P 2.238,000</li> <li>in their own ways. The farmers</li> </ul>	THE SERVON	80 77 :		moutey suntrage for proper uem
<ul> <li>1.7 years</li> <li>a proper operation manual of the dam factures</li> <li>F 2.238,000</li> <li>in their own ways. prepared. The factures</li> <li>n</li> <li>P 2,238,000</li> </ul>	Irrigation Canal		9.0	. The operation efficiency of the dam is v
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Construction Period	•• •		proper operation manual of the dam
				there are not prepared. And tarmers their own ways.
	Irrigation Total	1 1		
		· · · · · · · · · · · · · · · · · · ·		

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ENGINEERING AND TECHNICAL ASPECTS	1. The treatment should emphasize mostly on the biological/vegetative measures to stabilize slope land. The number of check dam should also be increased, which would prevent the movement of sediments in the stream going down to the flood plain. While, the retaining wall, bank protection and stream channelling or dredging of the stream bed are not appropriate and practical for the purpose of watershed management.	<ol> <li>During the implementation of the project. lack of the necessary technical know-how by the field personnel was found out. The training program for them will be required.</li> <li>In the formulation of the project, ecological and</li> </ol>	. In the rormulation of the project, ecological environmental aspects should be considered, waters management should be prepared. 0-ECONOMIC ASPECTS	or direct benefits. To we will be a function of the second start of the second starts were employ labor and their incomes were improved.	<ol> <li>Since implementation of the project, no inventory of the project condition was done. In order to have a comprehensive measures for damaged structures and maintenance of plants, a periodical monitoring must be done. For O&amp;M of the project, the appropriate budget will be required.</li> </ol>	<ol> <li>Guideline for operation and management of a comprehensive watershed management project is necessary.</li> </ol>	<ol> <li>Accessibility from the existing roads to the watershed is very low. This results in lack of operation and maintenance works.</li> </ol>
Table 3.4.2Results of Post Evaluation Study (4/10) Pasig Timbu Watershed Rehabilitation Project	PROJECT NUMBER       : No.4         PROJECT NUMBER       : No.4         PROJECT NAME       : Pasig Timbu Watershed Rehabilitation Project	al : Vatershed Management al : Flood Control TUS : No monitoring martly	Facility : No monitoring, partly damaged Vegetation : No monitoring BACKGROUND : No monitoring Identification : by FMB District Office D/D : 1981 by FMB District Office D/D : 1981-1984 by FMB District Office Tmplementation : 1981-1984 by FMB District Office Office Office by the FMB	PRINCIPAL FEATURE : Plan Actual Varershed Area : 7,440 ha 7,440 ha Protection Area : 2,090 ha 1,200 ha	all : 17 Nos. all : 7 Nos. rovement : 2 places Planting : 5 places d : 1 years 3 y d : P 1,223 725 P 1,44		

Table 3.4.2 Resu	Results of Post Evaluation Study (5/10) Mantayupan Fall SWIP	y (5/10)	
			AND
PROJECT NUMBER :			No serious technid was found.
LOCATION :	Retional Electrification Admini Region VII, Cebu, Barili		<ol> <li>All electrical equipment were imported from the People's Republic of China.</li> </ol>
PROJECT DESCRIPTION	1   	5 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<ol> <li>The power station is connected to the power grid of CEBECO I and generated power energy is efficiently used.</li> </ol>
PURPOSE : Major : Taridental .	Mini-hydropower(Plan; 5 Trrission	500 kw, 2.144 mwh)	SOCIO-ECONOMIC ASPECTS
PRESENT STATUS		· .	l. Actual power generation since the commencement of the operation is as follows:
Power Plant :			
BACKGROUND :			Energy : (from July) 1,072
r/s : D/D : Construction :	1980 DY NEA CENTERL UTEL 1981 DY NEA CENTERI Offi 1982-1984 DY NEA CENTERI	rtice Stice Cal Office	1986 1.871 MWA 1987 (as of Sept.) 1.0075 MWA
0 %	Dam and Mini-hydropower by Cebu I Electric Coope (CEBECO I)	Plan srati	Total 5,586 nerated Energy: 1,719 Cost : 1.05
PRINCIPAL FEATURE:	Plan		al power generation is attained at about 80 Z o
Type of Development Diversion Dam Type	nt : Run-of-river • Ovee Concrete	Run-of-river Dree Contrete	the proposed generation, though the generation cost is a bit higher than the NPC generation mate of 0.9% (KW). The nover satify of CEBRCO I is load is as fullings.
Dam Height		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Public/Residence : 1.6 P/KWh
Creat Elevation	日 1997 1997	日 251、12 日 733 日	Connercial Low Fixed Industry : 1.58 P/KWh
Tailrace Elevation Cross Read	13	NU. 34 B 00 B	
		5 H J	2. Water utilized for power generation is used for instantion in the orthogon of the former of the control of t
	: (250kW		111110 DIAL 11 LIN 2140 LOSIDI UN 0 LIN 0.0 LI
Average Energy Generatio Decise Dischards	neration : 2.144 WWh/year . 0 73 m <sup>3</sup> /aar	c 1,719 MWh year 0 73 m3/apr	3. EIRR is estimated at 8.5% under the present condition.
truction	• •		***************************************
Construction Cost	•		Ofh ASPECTS
	1 1 2 2 2 2	P11.352,794	After roma of rosserricatos bro or or
Total	· · · · · · · · · · · · · · · · · · ·	F12,583,000	dever to the CEBECO I for 0aM. The CEBEC
Cost	· · ·	P 254,244/year	amortizes all investment costs to NEA within 15 years.
ower Generation			kM of th
			nd one inspector
			i .

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Table 3.4.2 Results of Post Evaluation Study (6/10)			
	on Study (6/10)	•	
Bacnotan SWIP		ENCINEERING	
PROJECT NUMBER. NO. 6	****	1. NO	No technical serious problem on the dam was found.
ROJECT NAME	1 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2. The fol	The sound design was done for the dam. However, the followings should be considered.
Farm Systems Region I, La	opment Corporation Bacnotan	(B)	ering the dam height of 24 m.
1)))))))))))))))))))))))))))))))))))))	*		drainage gutter are required on the downstream slope for dam safety.
<u>PURPOSE</u> : Major : Irrigation, Plan ;	1999 ha 1999 ha 1980 ha	(q)	
Incidental : Inland Fishery Flood Control	1	(c)	te empanyment out of the is no
PRESENT STATUS . Bunchioning 10			the crest is used only as maintenance road.
Jam - runctioning well Irrigation : Functioning well		SOCIO-ECONOMIC ASPECTS	
: QNDO		1. Alt	gation area was scheduled to be 199
F/S : 1978 by FSDC Central D/D : 1979 by FSDC Central	al Office al Office	оћ гре 1	ite I. seas
struction : 1980-1986 by FSDC : Dam and Irrigation	entral Office	н 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ha in the sociation p
oy bannuar L Association	Lutegrated service		
<u>PRINCIPAL FEATURE:</u>	Actual	z. Arcer under	compretion or the dam, the intert is a comprete in a caken by the Association as planned. In a
Dam Type . Zoned Earthfi	hfill Zoned Earthfill	भू स स स म स स स म स स	brak component or the project spocked intapis fingerlings in the reservoir.
۲. ۲. ۲.	ទេខ	3. The	village people in and around the project could
olume : 190,			
rerage vapacity : .rea	n vov. v. v. v. n n n n n n n n n n n n n n	4. The	project could contribute to increase the farmers
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 III IIII IIII IIIII IIIII IIIII IIIII IIII	
· ··	0 ha 50		LIAN IS CELIMATED BE 14.24, ENG THE PROJECT CONCEIDURE to improve the nutritional condition in the vicinity of
Irrigation Canal : Construction Pariod		the	the project.
Construction Cost	, , ,		
	U P 6,500,000	O&M ASPECTS	· · · · · · · · · · · · · · · · · · ·
	F 7,400,	L. The	rrigation fee is c
O & M Cost (in 1988) : Amount (mark)		Г. Г. С. С. С. С. С.	of P450/crop/ha, but collection percentage is
Anucruzzariou : Repair/Maintenance :	i A	7117 7117	the range of 80 to 80 4 per annum due to insurficient irrigation.
Roboraria/Salaries : Office trovies	122,000 122,000	6 29 9 7	
	4 147		anotrope of becartage acart to: tillzstion of the dam.

<pre>k NG.7 k NG.7 k Porac Dam and Reservoir Project k PHO-SWIM/DPWH k Region III. Pampanga. Forac PHO-SWIM/DPWH k Not function (Plan: 240 ha) Iniand Fishery flood Control Not functioning, Washed away over: Not functioning, Washed away i 1981 by PHO-SWIM/DPWH i 1986. Nature i 1986 away k Nume i 106,600 m<sup>3</sup> k Nume i 106,600 m<sup>3</sup> k Nume i 106,600 m<sup>3</sup> k Nume i 106,600 m<sup>3</sup> k Nume i 100 kW i 100 kW</pre>	<ul> <li>2. The reasons of collapse of the dam are conceived as follows:</li> <li>(a) The bulk headgate of intake was accidentally shut down at 99 complexion of the dam in 1984 and the reservoir yater level of the dam in 1984 and the reservoir yater level of the dam in 1984 and the reservoir of action of action of an upper part of the upstream slope. Those made the dam poper part of the upstream slope. Those made the dam poper part of the upstream slope. Those made the dam poper part of the spillway was not constructed properly on the poper part of the spillway was not constructed properly on the pose of the spillway was not constructed properly on the base of the spillway was not constructed properly on the base of the spillway was not constructed properly on the base of the spillway would be flushed out by flood.</li> <li>(c) The will connection the piping action occurred in the base of the spillway capacity stracked the dam. The flood might overtop the dam bankment.</li> <li>(c) The flood over the spillway capacity stracked the dam. The beneficiarties of the dam.</li> </ul>
Irrigation Ganal : - km - km Construction Period : 3 years Construction Cost : P 7,596,000 F 11.146,233 Electro- Mechanicall : P 616,000 F 667,021 Irrigation : P 6.212,000 F 11,813,254	O SK N

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Table 3.4.7 Results of Post Evaluation Study (8/10)	
	1 1 1 1 1 1
PROJECT NUMBER : No.8 PROJECT NAME : Kirong Dam and Reservoir Froject	<ol> <li>After completion in 1985. the piping action occurred in the foundation of the weir and the weir suffered from overturning. Although the repair works of the weir for overturning were done in 1986.1987 the nining action</li> </ol>
: PMO-SWIM/DPWH : Region III, Bataan, Hermosa	
тирии и марализии и праводати и правода	2. According to the results of heating trom the local people in Hermosa Municipality, the project is not functioning areainst the flood and the neonle suffers
<u>PURPOSE</u> : Major : Flood Control Incidentel : Irrigation	samages sometimes a year. for the above are envisaged as follo
PRESENT STATUS : Dam (Weir) : Damaged and not functioning Flood Control : Not functioning	Ror piping and overturning. (a) Insufficient consideration of foundation treatment (b) Insufficient creep length (c) Inadequate construction of foundation
- OUND	For diversion of flood:
F/S : 1983 by UISTRICT UTICE/DFWH D/D : 1984 by PMO-SWIM/DPWH Construction : 1984-1987 by PMO-SWIM/DPWH Phase I : 1984-1985	<ul> <li>(a) Piping of water through the foundation</li> <li>(b) Inadequate canal base elevation of the diversion canal</li> </ul>
sanized yet	<ol> <li>The improvement plans for the above are considered as follows:</li> </ol>
Actual	<u>For piping and overturning:</u>
Weir Type : Concrete Diversion Weir Weir Height : 3 3 3.8m(H) x 2nos. Size of Sluice Gate Portion: 1.8m(H) x 2.nos.	<ul> <li>(a) Placing of soil blanket on the upper apron</li> <li>(b) Grouting of the foundation</li> <li>(c) Rehabilitation of the lower apron</li> </ul>
	For diversion of flood:
Slope : 111.5 Width : 2.5	(a) Rehabilit
10d	SOCIO-ECONOMIC ASPECTS
Repair Works : 1.5 months Construction Cost : 734,396 Phase I : 746,282 Total : 7.1.120,578	म म म म म म म न
Note: The above feature of the weir is shown based on the results of the field investigation. because of	DAM ASPECTS Debody handles the O&M Works.

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ENGINEERING AND TECENICAL ASPECTS	<ol> <li>Before and during the construction of the dam, the following problems were encountered:</li> <li>(a) right-of-yow in the dame(to and reservoir area</li> </ol>	local labor Local labor Listence to borrow area	ν	ght be low levation i of the sp lement of	Considering the dam safety agains: the flood, the dam crest will be required to be raised. The Municipality of Floridablanca prepared the repair plan of the dam embankment and submitted it to the DPWH Regional Office in 1938.		<pre>s completion of the dam in 1987; the reserv or utilized efficiently, because the it L is not constructed yet. After completic</pre>	dam, the dam was formally turned-over to the 35MM who organize a farmers' association. The farmers'	aucutum the routerreturn of ion facilities.	<ol> <li>The fingerlings of about S,000 were released for agua culture in this year but not produced yet.</li> </ol>	3. The watershed development is not yet implemented.		<ol> <li>The Farmers' Association is not firmly organized. Actually the Association is not activated.</li> </ol>			╡┎┿╻╽╕╕┦┵╤╕┠╛╓╡┿┿╶╖┠┵╡┓┨┠╛╌╛┙╀┱┑┨┎┷┿┓┱╄┱┱╕┞┨┡┱┨╊╦┪┠┨┖┲╧╻╕╩╘┛╅╛╡┟┢┺╖┢
Results of Post Evaluation Study (9/10) San Ramon Dam and Reservoir Project	4 4	83 F.	rigation. Plan ; 50	al; 0 h pment	Constructed but not utilized Not yet start construction	1983 by BSWM Central Office 1983 by BSWM Central Office Dam : 1987 by PMO-SWIM/DPWH	Irrigation : not constructed to be undertaken by BSWM Actually not organized	nslű		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		n		i α, β.		<b>\$</b> \$\$¥\$\$ <b>\$</b> \$ <b>\$</b> \$ <b>\$\$\$\$\$\$\$\$\$\$</b>
Table 3.4.2 Results San F		 	ROJECT DESCRIPTION URPOSE : Major :	ental :	PRESENT STATUS : Dam : ( Irrigation : b	BACKGROUND : \$/S p/D Construction : 1	**	PRINCIPAL FEATURE:	Dam Type Dam Metohr	t Length nkment Volume		Wet season Dry season	LITLGATION CANAL Construction Period (Dam) Construction Cost	Irrigation Total		 

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Table 3.4.2 Results	Results of Post Evaluation Study (10/10)	
Calaı	Calanggaman SWIP Phase I	GINEERING AND TECHNICAL ASPECTS
122		a a 1 a a 2
ξ Γ 5 1	TM/DPWH TM/DPWH of Solls and ohol Provinci, VII, Bohol,	s, the dam reacter is revised for the field with a dam heigh e I works the dam was const f 12.5 m and in the Phase II w J up to 17.5 m. The construct
PROJECT DESCRIPTION	* * * * * * * * * * * * * * * * * * * *	miiilon for the Phase il works is requested to DPWH. The construction works is suspended now. Phase II works is scheduled to be done in 1989.
<u>PURPOSE :</u> Major : Incidental :	Irrigation, Flan; 100 ña Inland Fishery Flood Control Water Supply	t plan of the irrigation of the irrigation of the state o
PERSENT STATICS		CIO-ECONOMIC ASPEC
<b>60</b>	Not yet completed Not yet start construction	<ol> <li>After completion of the Phase II works, the dam will serve water for irrigation area of 100 ha, benefiting at least 300 farmers.</li> </ol>
F/S D/D Construction :	ffice ffice astruction by	<ol> <li>The project will contribute an increase of agricultural production and enhancement of living standards of farmers.</li> </ol>
	Actuarly Jerns constructed by MAA BOMOL FIG (Phase I) Not organized yet	DEM ASPECTS
PRINCIPAL FEATURE:	,	1. Not operated yet.
Dan Type Dan Keight Crost Courth		
Eubankment Volume Effective Storage C	сарасіку : 390,500 m <sup>3</sup> Сарасіку : 390,500 m <sup>3</sup>	
	ert	
Irrigation Canal fonetriction Canal	оп : IOO ha(detail unknown) : - km	
0015 F. 4 C C C C C C C C C C C C C C C C C C	I) : P 4,200,000 III) : P 2,500,000 Dn : P 2,500,000	
Total		

Table 3.5.1

Annual Budget of SWIM Projects (1982 - 1988)

		(U	JNIT: Pesos 1	L,000)
	SWIM Fu	ind		
Year	Construction	F/S & D/D	Mini-Dam	Total
1982	49,000	8,000	0	57,000
1983	35,435	0	0	35,435
1984	21,539	865	0	22,404
1985	18,000	0	7,000	25,000
1986	41,350	0	7,000	48,350
1987	61,100	0	0	61,100
1988	74,403	0	20,876	95,279
Grand Total	300,827	8,865	34,876	344,568

Source: Finance and Management Office of PMO-SWIM

## Actual Expenditures for Construction of SWIM Projects (1982 - 1988) Table 3.5.2

		(1	JNIT: Pesos	1,000)
mplementing -	Total Exp	penditures for	SWIM	Share in
Agency	SWIM Fund	Own Budget	Total	SWIM Fund (2)
PMO-SWIM	103,387	0	103,387	45
NIA	24,765	2,116	26,881	11
BSWM	14,957	132	15,089	7
NEA	4,408	19,997	24,405	2
FMB	20,809	0	20,809	9 · · · · 9 ·
FSDC	59,418	8,374	67,792	26
TOTAL	227,744	30,619	258,363	100

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	Implementing	<b>)</b>
ĺ	5	•
	Table 3.5.3 Actual Budgets and Expenditures of SWIM Projects by Implementi	Agencies for the Period from 1982 to 1988 (1/2)
	Actu	Agei
	1	
	Table 3.5.3	

Implementing Agency	Total	1982		1983		1984		1985		1986		1987		1988		Toul		Total
Name of Projects	Budget	Budget	Expenses	Bixdget	Expenses	Buriger	Expenses	Bucket	Expenses	Budget	Expenses	Budget	Expenses	Budget	Expenses	Budget	Expenses	Expenditure
													а 1					
Banadao	378,280	õ	Ö	छ	8	378.280	378,230	Ö	8	8	8	5		ð	ē	378,280	378,280	378,280
Porte	15.022.510	7.042.094	7,042,094	5,087,616	5,087,616	957,800	957,800	965,000	965,000	970,000	5	0	0	0	3	15.022.510	14,052,510	14,052.510
Curkmen	756,560	0	<b>0</b>	8	5	756.560	756,560	o	8	0	8	0	0	8	8	756,560	756,560	756,560
Kirong	1,232,990	0	0	0	8	754,560	754,560	Ö	8	478,430	ō	• •	0	-2-	8	1,232,990	754,560	754,560
Decquiong	1,898,700	0	0	<b>с</b> 		0	8	0	8	1,898,700	1,898,700	8	0	0		1.898,700	1,898,700	1,898,700
San Ranon	1,812,340	5	0	8	6	5	5	0	0	1.812.340	2,661,680	0	0	8	5	1,812,340	2,661,680	2,661,680
Calanggaman	1,843,000	-	0	ç	<b>е</b>	0	8	0	0	8	8	0	0	1,843,000	1,843,000	1,343,000	1,843,000	1,843,000
Katipunan	460,750	0	0	8	5	0	6	0	0	8	3	0	8	460,750	460,750	460,750	460,750	460,750
Pinsal Fall	24.228.300	ō	0	8		965,000	965,000	3.309.950	3,309,950	9,525,850 9,506,000	9.506,000	9,506,000 9,506,000	9.506.000	921.500	34,090	24.228,300	23,321,040	23,321,040
Jaro	60.350.483	0	0	6	0	7,337,860	7,337,860	337,860 8,038,450	8,038,450	8.038.450 16.974.273 16.974.273 24.498.200 24.498.200	16.974.273	24,498,200	24,498,200	3.5cl 700	411.562	60.350,483	57,260,345	57,260.345
Sub-total	107,983,913	1,042,094	7,042,094	5.087.616		5.087,616 11,150,060 11		150,060 12,313,400 12,313,400 31,659,593 31,040,653 34,004,200 34,004,200	12.313,400	31.659.593	31,040,653	34,004,200	34,004,200	6.726.950	2,749,402	2,749,402 107,983,913	103,387,425	103.387.425 103.387.425
VIN (Z)				•						- - -			:	•			· ·	
	Total	1982		1983		1984		1985		1986		1987		1988		Total		Total
Name of Property	Radon	MIWS-OW4	<b>Y</b> Z	MIWS-OM4	VIN	PNO-SWIM	₹N.	PMO-SWING	AN N	PMO-SWIM	Ą	PNIO-SWIM	AN	MIWS-OM	ANY.	PMO-SWEM	AIN	Emenditure

																		Į
Name of Projects	Budget	Budget PNO-SWIM	MN	MIWS-OM4	NEA	PNO-SWIM	NA	PMO-SWIM	AIN	MIWS-OMP		MIN PNO-SWIM	NIA	MUWS-OM4	AIN	PMO-SWEM	NIA	Expenditure
Bibun	10,771,000	0	-	000.000	2,116,000	8	•	2,655,000	0	3	6	0	0	6	Ģ	8,655,000	2,116,000	10,771,000
Calarigo	36,000,000	0		0		8	0	0	O,	0	0	3,800,000	Ō	6,450,000	0	10,250,000		10.250,000
Mirui	37,000,000	0	-	0 0		0	0	0	0	0	¢.	3.100,000	0	2,760,000	0	5,860,000	0	5,860,000
Sub-total	000 127.ES	0		0 6,000,000	6,000,000 2,116,000	0	0	2,655,000	0	0	G	6,900,000	0	9,210,000	0	24.765.000	2,116,000	26,881,000
WMS8 (E)		1	.*			• •		-										
	Total	1982		1983		1984		1985		1986		1987		1988		Total		Total
Name of Projects	Ender	PMO-SWIM		MIWS-OMY MWSB	BSWM	PMO-SWIM		BSWM PMOSWEM	MWSB	PMO-SWIM	BSWM	MIWS-OMA MWSB		MWSE MIWS-OMM MWSE	BSWM	PMO-SWIM	BSWM	Expenditure
									2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								
Function	330.5Z/	324,894	λ. 1	5		5	ت	5	2	5-	5	>	ວີ	5	: د	324.894	11.553	336,437
Calaroan	157,002	151,231	5,771	1		5	0	0	0	8	ర	0	ō	0	ф :	151,231	S.771	157,002

 
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 11.543
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 2,060,428 1,890,742 2,237,770 2,017,370 2,012,571 801,005 1,900,582 1,900,582 1,560,261 14.957,254 7.967 7.967 8 6 1.170,613 1.170.613 00000 ö 6 6 4,602 Q Q õ ð ō 509,1 3.035 12.223 8.107 27,967 0 0 583,500 1,900,582 ò б 677,078 4.555.419 9,739 13,440 34.322 3,036 o 6 8.107 ö ò 1.902,105 63,605 ¢ 604.045) 3,192,966 5.245 4.425 10.712 3,86 31.526 8,108 ð 2,060,428 1,890,742 335,665 153,800 279,138 4.719.773 0 25,282 õ 7.968 õ ਠ ö õ 842,358 1,318,483 2.065.673 1.395.167 2.258.221 2.132.617 1.219.309 909.107 3.209.204 1.281.772 15,464,594 Subtotal Nagraberan Darapidap Malinaso Aumbay Bacary Cagdarao Cabarglasen Kadingilan

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	Log I	1982		C861		1984		1985		1986		1981		1988		Total	Ī	Total
Name of Projects	Bucket	PNOSWEW	NEA	PMO-SWIM	NEA	MO-SWEM	NEA	PMO-SWIM	NEA	MIWS-OMI	NEA	MINS-OW	NEA	PMO-SWIM	NEA	PMO-SWIM	NEA	Experditore
	, <b>T</b> ere <b>e</b>			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			···· ···· ·		C					500 F
	er / ne / 17		5	57			5		0106611	5 6	04.1"00010	5 6	5 0	5				
Kumularane	000.969.11	58	0	5-6	0	00/#36	52025	0.4.100	0.00.420.1	<u>5</u> 8	50	5 0	50	3.093.018	6275.486	3.093.018	223,486	9.368.504
Subtotel	31 293 353		1.286.385	8	3,687,226	657,436	320.342	657.436	3,424,036	8	5,003,146	8	õ	3.093,018	6.275.486		19,996,621	24,404,511
8W2 (c)			<u> </u>							1001		1001		9401				
		1931/82	Т	1983	L	2061				861 L	Т	1961	Т	1988		1001	T	
Name of Projects	Budge	PMO-SWIM	E	PMO-SWIN	ENA	P.NO.SWIM	EMB	PMOSWEM	EWH	PMO-SWIM	FMB	PMU-SWIM	R.	MMOSWIM	FMB	IPMC-SWIM	EWE	Expenditre
Amleikiao-Rinea	4.320.000	2 443 605	ð	C46.907		0 144.750	8		6	Ö	- 8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	8	0	đ	3.535.352	8	3.535.352
Star Fe	3.300.000	1.066.034	0	711.740			5	6		ੱਠ ·	8	8	8	õ	8		්	2.091.399
Pasis-Timbu	1.500.000	069.130	Ó	284,885	0			ੋਟ	- 3	- 3	0	5	0	ö	8	1,447,015	đ	1.447.015
Barno	3.776.000	8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				. <b>5</b>	176,468	-8	432,617	-8	776,000	0	960,300	0		0	3,450,789
Binantara	3.300.000	0	- 6	-8	-2		<del>-</del> 8	042,40	~2	431,640	0	776,000	5	1,047,600	•	2,943,416	Q	2,943,416
CLANES.	2.744.250	C	6	6			0	226,734	8	289,620	3	950,600	0	846,810	0	2,699,764	0	2,699,764
Parascent	2,603,500	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6	5	0	027,750	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	172,101	- 8	284,000		950,600	0	826,350	0	2.570,801	φ	2,570,801
	2.970,000	0	õ	712,216		0 356,857	8	230.727	<del>ک</del>	6	8	247,156	0	523.800	0	2.070.756	0	
Subtorial	24.513.750	4,478,859	5	3,519,902		0 2,427,168	8	1,040,270	8	1,437.877	8	3,700,356	ð	4.204.860		20.809.292	8	20,809,292
																		.4
(6) FSDC		• •					:	· ·				-						
	Total [	19\$1/801		1983		1984		1985		9861-		- 1361		1988		Total		Toul
Nume of Projects	E HAN	PINO-SWIM FSDC	1	PMO-SWIM FSDC	FSDC	PMO-SWIM FSDC	E.	MUMS-OWI	FSDC	MIMS-OWId	FSDC	MINSONA	FSDC	MIWS-OMP	FSDC	MIMS ONIA	FSDC	Exercitanc
																		Ş
Materia	2000	•		os ouoget any		PROPERTY CALLS & ANGLE AND EXPERIMENTS AND THE SOL SATISFIES		1,100				- '						
	CUCOLAR A	•, •		o proget in		Auzmail data (3) blogget and experiences are not available a	ubie wit of Loc. 1984. 	1000								ALS YES	, <b>,</b>	242.001.2
		• •										•						
Anthrometers	010/02/01	•		מ מתמולט אווא	a cripeneur	איזוונושו סווים פו מותפורו אווט בעלהבוסווויובם אנג ואמ אאוזשיובי		. 1968.				•						
Manayun	3.201.102.5	•	transi data	of budget my	1 expenditure	Annual data of budget and expenditures are not available a		- 1988.								2,555,023	347,960	
Sta. Barbara	4,595,136	Υ.	transi data	af budget and	l expenditure	Arread data of budget and expenditures are not available a	this are of Dec. 1988.	1988.								2.818,136	205,070,295	
Si-Uten	7,820,725	<b>~</b>	versual date .	of budget and	l expenditure	Arrual data of budget and expenditures are not available a	able as of Dec. 1983.	. 1988.				•••				6,820,725	61,037	6.881,762
Becooten	8,234,900		TIED MOTION	of budget and	i expenditure	Arrental data of budges and expenditures are not available :	ible as of Dec. 1988.	. 1988.			•	•	•	•	۰ ۲۰ ۱۰	9.368,650	•	7,788,085
Sta. Maria	6204.159	•	unual data	of budget and	t expenditure	Annual data of budget and expenditures are not avaitable	able as of Dec. 1988.	. 1988.						•		4,393,923	1,627,522	
Lapado	12,728,687	*	unated data	of budges and	i expenditare	Armual data of budget and expenditures are not available :	able as of Dec. 1988.	. 1988.							1. 1.	0	5,258,033	<u> </u>
San Julian	9.306.473	-	United data	of budges and	t expenditure	Armusi data of budges and expenditures are not available a	able as of Dec. 1988.	- 1988.								6.007,810	0	f

Actual Budgets and Expenditures of SWIM Projects by Implementing Agencies for the Period from 1982 to 1988 (2/2)

Table 3.5.3

SOURCE: PMO-SWIM and each of implementing agencies

s (1/6)	
M Project	
fied SWID	
of Quali	
Major Features of Qualified SWIM Projects (1/6)	- HWd
Ma	י <b>ב</b> י ו י
Table 4.3.1	

	24.2	9 0 7 5	16.0	25.3	16-0	ц.	ຕຸສ	12.6	1.25	29.6	17-0	5.12	1:1	12.8	ទុំព	24.6	7- ⊟	-6.1	8.4	5.7	5.51	n.d.	
°≇€	(0.3)		, v v	1.8	-i	민	กรุ	ਹ	15.0	15.3	5 0 1	1.61	7.5	22.8	34.9	20.8	5.7	2.01	27.2	12.1	0-8 8	16.6	
TOTAL BENEFIT D pesos)	1.88 1.88	8 F	5.80	3.64	0.47	8°.8	1.97	4.19	1.79	9.16	10-82	3-31	3.27	2.97	2-17	3.62	4.17	2.06	2.84	1.73	4.27	2.36	
ROLET 1 I COST EF (million	40.3		$(1,1)_{i\in I}$																				
ANNUAL FITSH PR COUCTION (ton) (	80 Y																						
8	:o i				•									0									
- WATER SUPPLY CAPACITY CAPACITY		74	Ŧ				ສ																
REFORES TATION AREA (fas)	0	0 201	121	370	0	•	1,855	0	ET.	180	363	0		<b>З</b> С С	8	0	1,385	265	278	795	<u>8</u>	0	
INSTALLED CAPACITY (MA)	120	178	2 <u>0</u> 3	<b>6</b> 07	0	0	350	Ģ	8	0	300	0	0	0	0	0	0	0	0	0	•	0	
CATION AFEA (Fa)	<u>8</u>	024	. 0	250	ដ	52	8	210	8	8	450	202	มี	วิ	57	ទ្ឋ	8	8	ស្ត	52	202	92T	
MEANER-ENT VOLDAE (m3)	000 YET	167,200	000,791	157,509	28,750	102,424	132,610	111,550	26,860	232,640	92,250	31,950	123, <u>080</u>	25,789	58,366	35,640	175,652	75,074	35,494	42,339	162,676	15,480	
	24	1 P	ង ង	ព	R	8	ង	8	.31	H	5	ង	ដ	2	ព	ព្ឋ	ม	ន	ដ	ព	8	ទ	
RESER AREA (tra)	ອງ [	8 v	<u>າ</u> ຊ	า	ŝ	Q	64	20	업	~	ង	9	60	ទ្ព	ŝ	9	ទ	ŝ	~	νı	<b>со</b>	ន	
EFFECTIVE STORAGE CAPACITY (m3)	284.000	182 000	000'016'1	730,000	255,000	402,000	2,350,000	1,700,000	488,100	735,000	1.070,000	414,000	765,000	351,000	459,000	261,000	1,502,000	1,386,000	292,500	315,000	504,000	371,861	
MENT MENT AREA (Men2)	4	ន ។	° N	ม	64	8	8	-	ŝ	14	35	ማ	1	9	'n	Q	ង	v	Ś	ង	ង	4	
ANNTAL RAINVEALL (1071)	1,805	1.678	5, 70 7, 70,	3,834	1,858	2,847	1,851	3,318	2,800	1,91,	1,986	2,388	2,388	2,388	2.388	2,388	2,119	1,230	1,926	1,926	2,013	1,804	
ANNUAL RUNDEF R (mm)	1.502	1,687	2.410	2,109	198	2,179	M 2,018			7		n.d.	n.d.	n.d.	4, 191	7, 515	ដេ; ព	28, 775	4,470	3, 721	6,534	n.d.	
INCIDENTAL FURPOSES	R. IF MI				ы. Б.	R, Fr, M	日にある	н Ц	N. FM. H. M.	C. EF. FE. IS. N	2.日 19 20	н. Л	н. Н	Ю, IF, WI	に正見	R.H	7.日、2	S. H. N.	いは、た	いは愛	とはよう	ы К	24.47.4 m. Chi.4.
ы	е рі	er e Fili	5 6 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	е Н	н н	е Н	с Я	면	ឝ ផ្ល	е Р	۹ ۲	Ħ	Ħ	ឝ	គ	Ħ	ы В	ш н	Ĕ	н Ц	Ĕ	р Р	
FROJECT MAIN STATUS FURPOSE	Q/Q	0 1	2 0	ea	60	e e	E/S	0 Q Q	<u>n</u> d	00	SIE	Pre-F/S	Pre-F/S	Pre-F/S	Pre-F/S	Pre-F/S	Pre-F/S	Pre-F/S	Pre-E/S	Pre-F/S	Pre-F/S	1 1 1 1 2	
SOVIDACE	TON	GA-APAYAO	N	z			ظ	<b>B NURTHERN SAMAR</b>	12 LANAD DEL STR	12 NORTH COTABATO	12 NORTH COTABATO	NANDS	NMUIS	SINN	SDAN	PANCASINAN	q	NIEVA VIZCAYA	J.A.	AL.	4 CRR. MINUCRO	11 DAVAD DEL NORTE	
RECION	1 LA LINION	CAR. KALINCA-APAYAO	3 BAIAAN 4 PALAWAN	4 QUEZON	4 RIZAL	4 RUZAL	S MASEATE	ALTION 8	12 LANAC	12 NORTE	12 NORTE	1 PANCASINAN	I PANCASINAN	L PANCASINAN	I PANTASTINAN	1 PANCA		2 NEW	2 ISABELA	2 ISABELA	4 088.	JAVACI LIL	
	ម		EY DAM ( & RESERVOIR	SMIP		RESERVOIR SUIP	RESERVOIR SAID	-	LESERVOIR SAID	UESTRVDIR SUIP	RESERVOIR SHIP		A & RESERVOIR	5 RESERVOIR	5. RESERVOIR SUIP	& RESERVOIR		- :	۲. ۲	Ċ,	, L		
C.	1 SAVTAN DAM & RESERVICE SHIP	2 BOLD DAM & RESERVICK SWIP	3 SACRIFICE VALLEY DAM 6 TH ARTONIN DAM & RESERVOIR	T BURDEOS RIVER SMIP	B SAN JOSE DAM	9 CUEACUB DAM & RESERVOIR SATE	TI DEBESHIC DAM & RESERVORS SHIP	LS SAN JUAN DAM	14 CUINTRY DAM & RESERVOIR SAID	IS MAGPET DAM & RESERVOTE SATE			18 CALITILITAN DAM & RESERVOIR	19 KUTA-KUTA DAM & RESERVOIR	20 SALVACION DAM & RESERVOIR SHIP	21 SAN ANGEL DAM & RESERVOIR	22 LIGTOS SWIP	25 ABIAN SWIP	26 CATTERNAN SHIP	27 MALALINTA SHIP	28 CALIBAYAN SAIP	33 LIFASAN SULP	
No. AGENCY No.	1 DPME		3 DPMP	12 CO 2	6 DFWH	DEVEN	HMJC 8	用約26	IN DEMI	· 田子田	12 日5日	IL DEVE	14 D'AH	ង	副日 9 9 47	11 日7日	BARD BT	ERIC OL	20 10548	21 122	22 DFME	EFFIC ES	

Note: F/S: Feasibility Study: D/D: Detailed Design; Fre-F/S: Fre-feasibility Study R: Irrigation; FC: Flood Control; IF: Inland Fishery; ME: Mini-hydropower MS: Nater Supply: W: Fatershed Management

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	PROJECT NAME	RECTON	FROMINCE		a Na	. 1	KURNDEF KAENFALL				VOTR HEACHT	BIT VOLDA	G	CAPACITY	TATION	X1ddns		PROJECT	THE	閨	Ë
	.0X			STATUS PUL	RROSE 1	FURPOSE PURPOSES (1	(1111) (1111)	(m) (ba	AREA CAPACITY (bar2) (m3)	1	ABEA (m) (ha)	(f1)	Yaxy Faxy	(§	AREA (ba)	CAPACITY (m3/day)	PRODUCTION (ton)		COST EENEFIT (million pesos)	(3)	(r) - (r)
1 NEA	4 PARPAGOLA SMLP (SCHEME - I)	4 80	ROPELON		ม ม	R.M.T.W.S		2,138	37 2,800	2,800,000		0 168,000	00 500	222	342	°	8	1	[	8,7	្ព
2 NIA	6 POTOT SWIP (SCHERE-I)	S MA	S MASBATE			白明		3,133	10 3.144	.000	43 18.0			165		0	65			13.2	ក់
AIN E		s S	S CHMRIDIES SUR	•				3,145	я Я	586,000				240	۳ï	0	32	2 48.4	7.2	16,4	ц. И
4 NEA	ი	22.2	7 NECROS ORIENTAL			- 		1,275	10 46(	466,000	6 30.0			0	<b>F8</b> 2	0	H			6.4	12.0
S NEA	11 TUCKS SWIP	28	BOHOL		民	E E		1.486		2,080,000	18 33	0 368,500		0		0	শ			.6,5	2.01
6 NIA	12 TLAYA SHIP	7 80	BOHOL	ala	ដ អ	50 H. 14		2,134		3,370,000	49 25.	0 232,400	•	0		0	2			19,4	16.4
7 NTA	14 SAGUDSURON SALLP (SCHEME-I)	80 N	NORTHERN SAMAR	80	五五	EC.M. I		3.301	Ч	.,570,000	.ដ ដ	0 212.500		<b>D</b>	5	o	*	35.5		12.4	10.3
8 NLA	15 BUCACAO SWITP	4Z 6	ZAMBOANTA DEL SUR	÷.,	-	F 目,Wi		2,618		.,630,000	ร ร	0.63,500		89 19		0	4			10.7	2.51
9 NIA	20 MALOYO SATE	L L	LA UNION	Pre-F/S	ដ អ	· 田·王		2,436	- •	5,409,000	រ ខ	0 100,3		0	955	Ð	วั	· .		4' 1T	24-0
JO NEA	21 MASSIPING SMIP	1 14		Pre-F/S	н Ц	<b>PC</b> . IF, WM 2		2,436	<b>m</b>	000,521,0	59 79	0 126,500		0	6g	0	3			••	Ħ
AN LA	22 SAN TELETE SHIP	ч т т		Pre-F/S	ы К	**		2,436	28.1. 286.1	,364,000	50 50	0 141,600	097 097	Ô	809	0	Η.				.0, E1
VIN 21	23 MACABATO SATINE	1 1		Pre-F/S	е Ц	H.H.		364.		632,000	8 90.	0 55,000		0	320	0	~1				
AN EI	25 MASTDEM SWIP	1 PA	PANCASIDWN	Pre-F/S	ы Ц	RC, 正, WM 2		2,319	12 1,957	000, 729, 1	78 30	0 82.0		0	88	0		5 43.0			17
ATN AL	26 OBOY-OBOY SATE	AG I	PANCASINAN	Pre-F/S	ы Ц	R.甘.M. 2		2,319	5 1,79	, 792, 000	23 25.0			0	120	0					
AIN SL	27 VECA SWIP	ча г	NAVES ANNA	Pre-F/S	е Н	FC. IF, WM 2		2,319	24 4,26	4,269,000	76 22.0		8	ø	220	ø	i 1 1	1.05 3			*.51 
TE NEA	29 ALTHENG SATE	1 19	NANDASHDAN	Pre-F/S	е рі	ю.н 2		2,319	ы. 1. ц	L. 730,000	26 30.0			0	0	0	4				ċ
T7 NEA	31 DICAP SMIP	l PA	PANCASDNAN	Pre-F/S	е Н	E MAD		2,319	н	71,000	4 10.		3 3	0	67	0					
18 NLA	32 DIKET SHIP	1 BA	PANCASDVAN	Pre-F/S	е Н	E M.H.D		2,319	130	368,000	8 8	_	35	0	52	Ö	-1				
ATN QL	47 MAXMOT CIP	ЭM С	NUEVA ECILA	Pre-F/S	ц Ц	E . H. H		1,900	ਜ ਜ .	13,000	5 2.0	_	ខ	0	0	0	~			5	
20 NEA	48 SAN FEILPE CIS	3 NU	S NUEVA ECLIA	Pre-F/S	е Ц	н 11. 12.		1.900		000	ei ei			0	•	0			5. 0.2	1.	
ALN 12	SID SDARE 67	3 20		Pre-F/S	•	Ю, Ш, W		1,900		,706,000				0	1457		ន	35.7		5.62	25.0
22 NIA	53 MANTERNED CUP	3 20	NUEVA ECLIA	Ere-F/S	к П	11.11.21	[]	1,90 1,90	3 L138	,184,000	55 10.0	0 21,000		0	G G	0	బ				
Z3 NTA	SS IMLAYAP SHIP	54 C	PAYPANCA	Pre-F/S	е Н	Ħ		1,843	ei.	9,500	0.02 6	_		Ċ,	0	0				1	
Z4 NTA	Se BLISS IT SHE	12 12 13	3 PAMPANGA	Pre-F/S	ч Н	ម		1,343	4 -	000 07	2 IL.0		8	• •	•	0		÷.,	3.0.3	÷	
ZS NIA	57 BIGBIGA CIS	5	TARLAC	Pre-F/S	ы Н	12.11.12	•	2,098	4 43	439,000	2			0	197	0	ដ		÷	17.8	
26 NIA	58 TANCARANG CIP	ALL O	TARLAC	Pre-F/S	ĥ	N.H.W		2,098	2	278,000	5 20			0	8	<u>ې</u>					: :
27 NTA		51 CO	TARLAC	Pre-F/S	я Н	ю, тя то, тя		2,098	64 14	000° 611	80 75		•••	0	0	0	ιή.				
28 NIA	· .	4 1.4		Fre-F/S	ei Fi	12. 12		1,897	\$ (1)	000, 744			8		0	ج	-1				
29 NTA		5		Pre-F/S	н Н	H 2	1.512	53.5	S 1,24	L.147,000							en .				۰.
VIN.OC	1	ŝ	5 MASAATE	Pre-F/S		н Ц		1.851	4 1,81	1,523,000	2 2 2	.0 52.500		, <b>ر</b> ن			α0 -	, e			
31 NLA		З S	S MASEATE	Pre-F/S	к Н	R. H.	1.512	1.85	82,4 01	4,280,000				. دن	026	- -	3		2		2
32 NEA	100 CARANCCALAN CIP	ν. Σ		Pre-P/S	۳ H	「「「「」」	1.512	1,851	28 12,485,000	2,00		0 20,700	8	، ون 	) T.530	-	5	:		÷.	2
35 MLA		19 19		Pre-F/S	н. H	12,11,12		53.1	7 4,92	4,928,000					ନ ମୁମ୍ଚ ଜ	- -	ค	•	i.	ດ. ຊ	÷.
NN S		と ろ	5 MASBATE	Pre-E/S	e Fi	N. H. M	1.52	55.1	2 7	727,000			۰.		8			÷.	7 2.6	÷.	21 J
S S S S S S S S S S S S S S S S S S S	9	З SS	S MASBATE	SIJ-ali	4 1	N.A.S	217	2	30 1,40	1,40%,000				ہ وت _	50 <del>7</del> 1		1 : :: ::				÷
NIN SE	1.1	<b>光</b> : い	S MASIALE	Siz-siz				1,821	4.2.4	2,479,000				_ (		• ب	<b>s</b> (	. •			
37-NEA	Å.	ชี ก ่	2 MASKATE						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2,200,000	÷2.	đ	3	، و 		•	n.!	•	۰.		
VIN 82	18.00	21 5 19 1		200 200					200 255 C	000 255		- 28,000 - 143,000	2 2 2 2 2	., c			7 7	1		5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	
	ġ				1 F							ļ	5 5 5 8				; ·				
VEN 07	TIT TRIVEN SMIT	ท	SURSOLU	213-323			V-1-2-0	70017	a+, To	T*#90,000	21		9 3		87		7	4		7-17	À
Note: F	Note: F/S: Feasibility Study; D/D: Detailed Design; Pre-F/S: Fre-feasibility Study	tailed D	esign; Pre-F/S.	: Pre-feas:	thilty	Study			 												
es (	IR: Irrigation: FC: Flood Control.		IF. Inland Fishery;	HE: MILL-INTRODOMET	11-11-11			•									• .		•		
-																	•				

Major Features of Qualified SWIM Projects (2/6) -- NIA No.1 --Table 4.3.1

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(11)       (11)       1000000       5773       7       7,254,000       28.15       2,2000       400       0       0       0       27       34.5         (11)       12000000000000000000000000000000000000		No. AGENCY No.	MXX Nov.	STATIAN NOTERX	PROJECT NUM TEROSE	NI NIW		ANATAL ANATAL RUNDEF RAINFALL (mm) (mm)	ML CATCH- ML MENT N AREA (hm2)	I- TFFECTIVE RESER- STORAGE VOIR CAPACITY AREA (m3) (ha)		台口	EANEADAT IREI- VOLDAE GATTON (m3) AREA (ra)	CAPACITY (164)	D REFORES Y TATION AREA (hz)	- WATER ANNUAL SUPPLY FIES I CAPACITY PRODUCTION (m5/(day) (toc)	ANNIAL FISE FRODUCTION (ton)		olect ronal cosr ronal (millico pesos)	₿S	ALCINAL STER
111       Scoret, Scoret       9600       5500       900       970       900       970       900       970       900       970       900       970       900       970       900       970       900       970       900       970       900       970       900       9100       9100       910 </th <th></th> <th>11 M</th> <th>- 5</th> <th></th> <th>Dro_712</th> <th>۴ ۴</th> <th></th> <th></th> <th>057</th> <th>2.364.000</th> <th>52</th> <th></th> <th>007 000</th> <th></th> <th>0</th> <th>0</th> <th>8</th> <th></th> <th>8.0</th> <th>20-0</th> <th>23.0</th>		11 M	- 5		Dro_712	۴ ۴			057	2.364.000	52		007 000		0	0	8		8.0	20-0	23.0
0.111       1.121       0.120       1.20		ALN LA	12	7 BOHOL	Pre-F/S	2 2 4 E	1		1 H 262	11.693,000	127					0	112		10.8	27.5	20
64 NK LIZ MANUE STF       7 BML       Free JS       3 K, TK, M       1,00       1,73       0,13       0,0       1,7       0       1,7         64 NK LIZ MENDUE STF       7 BML       Free JS       3 K, TK, M       1,00       1,77       0       1,7		AIN 54	1 5	7 30501	Pre-F/S	្រះ គេ			ς.		ព					0	ដ		2.2	14.2	14.4
Tizz ARZTILANG SKITT         7 (Mett.         Re-1/3         R. K. TR. M. 1, 1, 20         2/57         12         2/20         3/20         2/20         3/20         2/20 </td <td></td> <td>AN 2</td> <td>5</td> <td>7 BOHOL</td> <td>Pre-F/S</td> <td>ц К</td> <td></td> <td>÷,</td> <td>÷</td> <td>÷.</td> <td>ព</td> <td></td> <td>.,</td> <td></td> <td></td> <td>Ŷ</td> <td>ដ</td> <td></td> <td>2.9</td> <td><b>្</b>ព</td> <td>15.0</td>		AN 2	5	7 BOHOL	Pre-F/S	ц К		÷,	÷	÷.	ព		.,			Ŷ	ដ		2.9	<b>្</b> ព	15.0
6 Kirk 135 Unscond. Aff Str.       7 Ref.       Fee-3[5]       7 K.T.K.M.       1.30       7,000       15       0       22       0       23         6 Kirk 135 Unscond. Aff Str.       7 Ref.       Fee-3[5]       7 K.T.K.M.       1.30       1.35       1.36       0       1.35       0       1.35       1.36       0       1.35       1.36       0       1.35       0       1.35       0       1.35       1.36       0       1.35       1.35       0       1.35       1.36       0       1.35       1.36       0       1.35       1.36       0       1.35       1.36       0       1.35       1.36       0       1.35       1.36       0       1.35       1.36       1.36       1.36       1.36       1.36       1.36       <		45 NEA	ង	7 BOBOL	Pre-F/S	н Ц			j.		en -					0	Ś	. '	0.7	(0-8)	9.4
47. Nik, 121 (Jacons Sarra, Torra, Pre-rija Er, K.T., W. 1, 200       17. Nik, 121 (Jacons Sarra, Torra, Pre-rija Er, K.T., W. 1, 200       17. Nik, 121 (Jacons Sarra, Torra, Pre-rija Er, K.T., W. 1, 200       17. Nik, 121 (Jacons Sarra, Torra,		46 NIA	ក្ន	7 BOBDL	Pre-F/S	ដ	2	 	,		ษ			<u>.</u> .	20	0	5		0	29.1	18-6
65 N. JIL TRACKA SET       7 BRU.       FR-F/S       3. R. L. M. L. M. M. L.			3	70903 1	Pre-F/S	e i					ព រ				091	00	ដ ខ		0 0 M	ม ม	16.3
50 NL 112 NATAN SALF       7 0000, 77 010       77 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 175       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 000, 100, 125       7 05       0 15		48 NTA		7 BOHOL	Pre-F/S						2.5				0 / / C		η Γ		3	0 F	
37.ML       13.00005.877       7.00001       15.56       0.000       20.00		AFN 64	<u> </u>	7 BOBOL	Pre-F/S	ម ម					5 5					00	89 (j		0 - n 1	220	5 9 9 9
2 KM       100 KM       200 KM		NIA DC	7.5	1 Brows	5/2-212	2 E 4 P		ł.			3 8					) с	3 5	Ċ	1 .	74.4	2
3 WR. 113: BARAASAN SATT       7 REAL       FRE-F/S       FK F.F.M. 1.300       1732       7       465.000       24       10.0       223       0       235         5 WR. 10.1 MARSANT       7 REAL       FRE-F/S       FK F.F.M. 1.300       1752       6       465.000       25       10.0       255       0       25         5 WR. 10.1 MARSANT       7 REAL       FRE-F/S       FK F.F.M. 455       1.525       5       95.92.000       14       70       1.550       0       25         5 WR. 10.4 MARSCHEM       7 CEUT       FRE-F/S       FK F.F.M. 455       1.522       50       26.00       24       0       1.550       0       25         5 WR. 11.96       TORETO       7 CEUT       FRE-F/S       FK F.F.M. 455       1.522       30       77.000       29       0       1.550       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0       25       0 <t< td=""><td></td><td>VIN IS</td><td></td><td>~ ~</td><td>Pre-F/S</td><td>ំដ</td><td></td><td></td><td></td><td>2.786.000</td><td>່ ເ</td><td></td><td></td><td></td><td>  ភ្នំ   ភ្នំ</td><td>0</td><td>123</td><td></td><td>0</td><td>32.2</td><td>5.22</td></t<>		VIN IS		~ ~	Pre-F/S	ំដ				2.786.000	່ ເ				ភ្នំ   ភ្នំ	0	123		0	32.2	5.22
3: Kr. 141 BrABLS SITT       7 CHCL       Freer/S       3: Kr. 140       1.55       0       25       0.0       25,000       10.0       25,000       10.0       25       0       1.5500       0       1.550       0       25         5: Nix, 147       BrANGERING CTP       7 CONU       Freer/S       3: Kr. 17,000       155       0.0       155       0.0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       1.5500       1.5500       10       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       0       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500       10       1.5500 <td></td> <td>AT NTA</td> <td>2</td> <td></td> <td>Pre-E/S</td> <td>1 2 1 2</td> <td>_</td> <td></td> <td>792</td> <td>465,000</td> <td>77</td> <td></td> <td></td> <td></td> <td>320</td> <td>Ð</td> <td>8</td> <td></td> <td>3.0</td> <td>23-0</td> <td>3.5</td>		AT NTA	2		Pre-E/S	1 2 1 2	_		792	465,000	77				320	Ð	8		3.0	23-0	3.5
S NKA 147 KWARTENN CIP 7 C220 Pre-F/S TR FC, TF, MM 455 1, 662 35 592, 000 95 30.0 15, 600 320 0 1, 560 0 225 5 KKA 149 DWMO CIT 7 C220 Pre-F/S TR FC, TF, M 455 1, 662 32 992, 000 145 70, 07 200 0 1, 27, 200 25 0 0 1, 290 0 226 5 KKA 149 DWMO CIT 7 C220 Pre-F/S TR FC, TF, M 455 1, 662 30 0 37 2, 20 7, 200 250 0 1, 20 0 226 5 KKA 149 DWMO CIT 7 C220 Pre-F/S TR FC, TF, M 455 1, 622 30 260 14 7, 200 250 0 1, 200 0 25 5 KKA 149 DWMO CIT 7 C220 Pre-F/S TR FC, TF, M 455 1, 622 30 260 140 0 20 0 0 1, 20 0 0 25 5 KKA 150 TWARCA-TRETC 7 TR FK, FKH 1, 555 1, 92 14, 455, 000 37 2, 20 7, 200 260 240 0 1, 03 246 5 KKA 156 5 KKA 159 S 1, 92 KKA 159 1, 92 24, 200 250 260 240 0 1, 03 246 5 KKA 158 S KA 158 S KKA 158 S KKA		目式	4	7 BOHOL	Pro-F/S	е Н					ន				0 255	0	37		0 F	27.2	20.6
56 NLA 145 HYANG CIP       7 C201       Pre-F/5       TR. T.T., M. 455       1,622       32       92,000       14       27.0       77.00       20       0       1,350       0       2,350       0       2,150       0       22.5         57 NLA 149 DANG CIP       7 C201       Pre-F/5       TR. C.T., M. 455       1,622       32       92,100       37       30       7,000       20       0       2,150       1       2,150       1<1,255		SS NEA	147	7 02201	Pre-F/S	ខ អ	19.64			ŝ	95	••			0 1,560	0	152		10.01	้ม	5-71
149 ENVLOCTE       7 (220)       Free-F/S       TR, TE, TF, M       445       1,622       50       2,623,000       39       30.0       77,200       420       0       2,160       0       62         150 TUNCEDD CTP       7 (220)       FRESS (RTNPAL)       Free-F/S       TR       T,1595       1,022       19       9,646,000       135       30.0       7,200       420       0       1,033       0       7,200       49       0       1,033       0       7,003       0       2,100       0       2,160       0       0       1,033       0       7,100       40       0       1,033       0       0       1,033       0       7,100       40       0       1,033       0       0       1,033       0       0       1,033       0       0       1,033       0	_	S6 NIA		7 0250	Pre-F/S	ខ គ	「た日		•		77			-	0 1,350	0	ដ		с I	10.0	16.0
150 TURGEDT CIP       7 C22U       Pre-F/S       TR       FC,TF,MH       445       1.622       19       5,640,000       155       30.0       84,900       240       0       1,033       0       240         152 MANCOLTICT       7       NEECKS CRIDINAL       FRE-F/S       TR       FT,FM       1,555       1,932       8       1,6560       190       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       240       0       1,033       0       10		S7 NIA	349	7 0000	Pre-F/S	2 12	ア日				ខ្ល				0 2,160	<b>o</b>	8		10.3	រ: ខ	0.01
IZ2 MAXCG-TIGLE 7 NEGGOS GUENTIAL FRE-FIS IR FG, IF 1,555 1,932 8 1,635,000 37 25.0 78,000 120 0 0 0 6 124 MASHLDD GT 7 NEGGOS GUENTIAL FRE-FIS IR FG, IF, M 1,595 1,932 5 2,273,000 7 30.0 78,000 120 0 6 6 128 SMACHMAND GTF 7 NEGGOS GUENTIAL FRE-FIS IR FG, IF, M 1,595 1,932 1 12,481,000 7 30.0 138,000 120 0 6 6 163 TEGABLO GTF 7 7 87,000 120 0 5 30.0 95,200 80 0 11 163 TEGABLO GTF 7 8 FG, IF, M 1,595 1,932 1 12,481,000 3 7 0.0 138,000 120 0 6 6 163 TEGABLO GTF 7 8 507HERN I.FFF 7 1,595 1,932 1 3,300 6 5 30.0 95,200 80 0 217 0 0 10 163 TEGABLO GTF 8 807HERN I.FFF 7 1,918 2,761 7 221,000 7 30.0 113,000 220 0 552 0 0 10 164 7 800 120 0 95,200 80 0 227 0 0 11 165 TEGABLO GTF 8 807HERN I.FFF 7 1,918 2,761 13 4,465,000 88 0.0 117,000 220 0 95 187 ECO-DONGAN SATP 8 800HERN I.FFF 7 1,918 2,760 3 6,031,000 76 30.0 140 00 120 0 0 0 0 0 73 198 EAH-AGM SATP 8 800HERN I.FFF 7 1,918 2,760 3 6,031,000 76 30.0 140,000 120 0 0 0 0 0 73 199 KWANGT_FUZAL SATP 8 800HERN I.FFF 7 1,918 2,760 3 6,031,000 76 30.0 140,000 120 0 0 0 0 0 0 73 198 EAH-AGM SATP 8 800HERN I.FFF 7 7 1,918 2,760 3 6,031,000 76 30.0 140,000 120 0 0 0 0 0 0 0 0 73 198 EAH-AGM SATP 8 800HERN I.FFF 7 7 1,918 2,760 3 6,031,000 76 30.0 140,000 120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			ស្ព	7 02281	Pre-F/S	e Fi	Ŧ				ដ				0 I.033	0	276	8	8	0.02	8-17
154 MSZELDD CTP       7 NB26CS GUIDNUL Fre-F/S TR FC, FF, M 1, 555 1, 932 5 2, 273, 000 24 000 240 00 245       0 240 0 24         127 NGA-MANTOP CTP       7 NB26CS GUIDNUL Fre-F/S TR FC, FF, M 1, 555 1, 932 11 2, 481,000 34 30.0 229,000 250 0 255       0 240 0 24         135 SAN ANTORD CTP       7 NB26CS GUIDNUL Fre-F/S TR FC, FF, M 1, 555 1, 932 11 2, 481,000 34 30.0 229,000 250 0 255       0 245 0 245         163 TGALMANTOP CTP       7 NEGGS GUIDNUL Fre-F/S TR FC, FF, M 1, 555 1, 933 1000 7 9 33,000 7 900 250 0 20       0 201 0 255         164 NARADHN SNTP       8 SOTHERN FRAME Fre-F/S TR FC, FF, M 1, 918 2, 761 13 4, 405,000 256 0 20       0 201 0 264       0 201         165 NARADHN SNTP       8 SOTHERN LETTE Fre-F/S TR FC, FF, M 1, 918 2, 761 13 4, 405,000 256 0 127,000 256       0 204 0 6       0 201         167 NARADHN SNTP       8 SOTHERN LETTE Fre-F/S TR FC, FF, M 1, 918 2, 761 13 4, 405,000 250 0 117,000 335 0 0 255       0 204 0 6       0 72         188 IAA-FGAN SNTP       8 SOTHERN LETTE Fre-F/S TR FC, FF, M 1, 918 2, 761 23 4, 405,000 250 0 146,000 245       0 204 0 0 255       0 204       0 204         190 KAWKET-FIZAL SNTP       8 SOTHERN LETTE Fre-F/S TR FC, FF, M 1, 918 2, 761 23 4, 405,000 256       0 204 0 0 255       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204       0 204 <t< td=""><td></td><td>VIN 65</td><td></td><td>7 NECKOS ORIENTAL</td><td>Pre-E/S</td><td>2 Pi</td><td>`.</td><td></td><td></td><td></td><td>16</td><td></td><td></td><td>-</td><td></td><td>0</td><td>57 S</td><td>18.8</td><td>4</td><td></td><td>17.2</td></t<>		VIN 65		7 NECKOS ORIENTAL	Pre-E/S	2 Pi	`.				16			-		0	57 S	18.8	4		17.2
157 NAGA-MANTUNOP CIP       7 NAGACS ORTINAL       FR-F/S       IR       FR, IF, M       1,555       1,532       11       2,482,000       34       0.0       229       0       345         128 SAN ANTONID CIP       7 NAGACS ORTINAL       FRE-F/S       IR       FK, IF, M       1,555       1,932       9       351,000       7       30.0       118,300       120       0       355       0       10         138 SAN ANTONID CIP       7 SUCTUR       FRE-F/S       IR       FK, IF, M       1,555       2,132       9       351,000       7       0       355       0       10       365       0       10       365       0       10       365       0       10       355       11       4,405,000       5       30.0       117,000       355       0       11       11,000       11       10       10       365       0       10       355       10       20       10       365       0       10       <		VIN 09		7 NEXOS CRIENTAL	Pre-F/S	ea Ea	_				3				0 740		27 i		0,7	4. 7	1
139 SAN ANTONID CIP       7 NEGROS ORIENTAL FRE-F/S IR FLIFAM 1.555 1.532 9 33,000       7 30.0       124 00       120       0       11         163 TICARDO CIP       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       0       11         163 TICARDO CIP       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       0       12         163 TICARDO CIP       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       7 SIGUIDS       0       12         163 NUMARANT       8 SOUTHERN IENTE       Fre-F/S IR FLIFAM 1.353       2,761       12 4,405,000       3 0.0       13,000       3 0.0       14,000       120       0       0       0       0       0       11       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10		AIN 13	•••	7 NEEROS ORIENTAL	Pre-7/S	2 19				Ń	5				4 4 4		<u></u>	6-7G	0	* -	2.21
163 Tricated CIP       7 STICULOR       Fre-F/S       TR. R. T. T. M.       1,555       2,115       5       33,000       6       90       20       0       20       0       20         126 NNEXMENT SHIP       8 SOUTHERN LETTE       Fre-F/S       TR. R. T. T. M.       1,813       2,761       7       221,000       4       30.0       117,000       355       0       204       0       6         128 IAN-AGAN SHIP       8 SOUTHERN LETTE       Fre-F/S       TR. R. T. T. M.       1,813       2,761       13       4,405,000       35       0       10       40       0       21       0       204       0       9         138 IAN-AGAN SHIP       8 SOUTHERN LETTE       Fre-F/S       TR. R. T. T. M.       1,813       2,760       3       3,000,000       55       30.0       140,000       120       0       0       0       75         190 KWANNET-FIZM SHIP       8 SOUTHERN LETTE       Fre-F/S       TR. R. T. T. M.       1,813       2,760       3       6,031,000       75       00       10       00       0       0       0       0       72       175       175       190       191       27,600       30       6,031,000       75       00.0       <		62 NLV	អ្វី	7 NECTOR ORIENTAL	Pre-F/S	R Fi	2				÷ •		•			э <sup>,</sup>	=	n X	1	9 I	1
136 WHANNAY SATP       8 SOUTHERN INTER Pre-F/S TR FC. TR 1. ALM 2.761       7 221,000       4 20.0       11/,000       33       0 249       0       9         137 EXCOLONGANI SATP       8 SOUTHERN LETTE Pre-F/S TR FC. TF 1.013       2.761       13 4,405,000       58 30.0       150,000       265       0       93         138 LAN-AGAN SATM       8 SOUTHERN LETTE Pre-F/S TR FC. TF 1,013       2.760       3 3,003,000       45 30.0       141,000       110       0       0       72         190 KAWANET-RIZAL SATP       8 SOUTHERN LETTE Pre-F/S TR FC. TF 1,013       2.760       30 6,031,000       75 30.0       144,000       110       0       0       0       0       72         190 KAWANET-RIZAL SATP       8 SOUTHERN LETTE Pre-F/S TR FC. TF 1,013       2.760       30 6,031,000       75 30.0       144,000,000       35       0       125		63 NIA		7 SIQUIJOR	Pre-F/S	2   A					o			-		0 1	З <sup>,</sup>	8.2 8.2	6, 1 -1 1	4-1-	7.1
le? Eco-DONGAN SATP & SOUTHEAN LEATE Fre-F/S IR FC. IF M 1,818 2,760 13 4,065,000 26 00 120 0 0 0 0 128 LAN-AGAN SATM & 8 SOUTHEAN LEATE Fre-F/S IR FC. IF 1,818 2,760 3 5,001,000 120 0 0 0 0 0 7 190 KANANET-FUZAL SATP & 8 SOUTHEAN LEATE Fre-F/S IR FC. IF 1,818 2,760 30 6,031,000 76 30.0 144,000 120 0 0 0 0 7 7 1/5 free free free free free free free fre		VIII 73	89	SOUTHERN LEVEL	Pre-F/S	2   #	÷.	٠.					•	-		5 i	•	2, 5 2, 5	~ `	11	야 · 직 :
128 INN-AGAN SATM 8 SOVIETEN LETTE Fre-F/S IR FC.IF 1,818 2,760 3 3,003,000 40 30.0 140,000 110 0 0 0 0 1/2 100 KAWNGI-FUZAL SATP 8 SOVIETEN LETTE Fre-F/S IR FC.IF 1,818 2,760 30 6,031,000 76 30.0 160,000 345 0 0 0 0 122 1/3: Fessibility Study: D/D: Detailed Design: Fre-Fessibility Study R: Intigation; FC: Flood Control: IF: Inland Fishery: Mi: Mini-hydropaer M: Watershed Management		65 NLA	18	8 SOUTHERN LEYTE	Pre-F/S		F				83			-	A A	0	នា	1.4	4 I 4 I	4 4 4	4.4
. 190 KAMANET-KUZAL SKIP 8 SOTHERN LEYTE Pre-F/S IR. FC.IF 1,818 2.760 30 6.031.000 76 30.0 106,000 345 0 0 0 1 //S: Feesibility Study: D/D: Detailed Design: Pre-F/S: Fre-feesibility Study /K: Irrigation: FC: Flood Cattrol: IF: Inland Fishery: Mi: Mini-hydropawer		56 NI	8	8 SOUTHERN LEYTE	Pre-F/S	÷	•				₽ ¦			-		о (	2	0.02	<b>1</b>	1 2 2	5. i
Y/S: Feesihility Study: D/D: Detailed Design: Fre-F/S: II: Irrigation: "FC: Flood Control; II: Inland Fishery: M: Watershed Management		e7 NLA	5	SUCCESSION SUCCESSION	C/3-814					1	0/		ŝ				777	0.70	0-7	0.41	
· Contract - management - Tr		Note:	P/S: Feesibility Study; Trainetion: Nr. Flo	): Detailed Design; Pre-F/?	S: Pre-feau	sibility ini_hodro	Study ntwer										•				
			W: Watershed Management			2	L.										:				
			F .																		

Jawrdonny. Nore: F/S: Feesibility Study: D/D: Detailed Design: Fre-F/S: Pre-feesibility Study IR: Irrigation: FC: Flood Control; IF: Inland Fishery: NM: Mini-hydropower W: Wetershed Management · · · · · •

(mu)         (mu)         (mu)         (mu)         (mu)         (mu)           530         1,903         1.1         156,652         4         1           547         2,336         0.3         158,562         4         1           559         1,903         1.1         156,652         4         1           559         1,903         1.4         58,593         3         1           559         1,903         1.4         58,593         3         1           400         1,903         1.4         58,593         3         1           420         1,903         0.4         18,903         3         1         1         1           430         2,275         0.3         14,0,707         3         1         1         2         2         1         1         2         1         1         2         2         1         1         2         1         1         2         1	(m2) (m3) (m3) (m3) (m3) (m3) (m3) (m3) (m3		(a)           (b)           (b)           (c)           (c)	××× 58885555455588555858555555555555555555		(tat)	Cost moveration (million peecs) 6.0 7.9 6.5 6.5 7.9 7.5 7.5 7.5 7.5 7.5 7.5 7.5 0.9 7.5 0.9 7.5 0.9 7.5 0.9 7.5 0.9 7.5 0.6 7.3 0.6 7.3 0.6 7.3 0.6 7.3 0.6 7.3 0.6 7.3 0.6 7.3 0.6 7.3 7.5 0.5 7.3 0.6 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 7.5 0.5 7.3 7.5 0.5 7.3 7.5 0.5 7.3 7.5 7.5 0.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7	3 9 0 0 0 0 4 4 0 0 4 8 8 8 4 8 1 1 0 8 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8	G 408848484848666696664864488486 209400894849669698888488488
1 SUCCUD T SUP       1 LLCCS NET:       D)       R.M.T.F.C       1.900       1.1       156.65       4         2 CLO-CLD T SUP       1 LLCCS SUR       D)       R.M.T.F.C       1.900       1.1       156.65       4         2 SUACUD T SUP       1 LLCCS SUR       D)       R.M.T.F.C       1.900       1.1       156.66       4         2 SUACUD T SUP       1 LLCCS SUR       D)       R.M.T.F.C       590       1.900       1.4       2.336       0.7       156.66       4         5 SUACUSTINL, SUP       1 LLCCS SURCE       D)       R.M.T.F.C       590       1.900       1.6       90.02	4000 K 0 4 0 4 0 0 0 4 0 0 0 4 0 0 0 0 4 0 0 0 0 4 0 0 0 0 4 0			。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。	00000000000000000000000000000000000000			AN ANNARO CAUCON	4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
2 CLO-CLD T SATE         1 ILCCOS SAR         0/0         N.M.T.F.         441         2.36         0.7         18,506         4           2 NALTOROW SATE         1 ILCCOS SAR         0/0         N.M.T.F.         451         18,506         3         3           5 NALTOROW SATE         1 ILCCOS SAR         0/0         N.M.T.F.         451         18,506         3         3           5 NA CLATCION LINT         1 ILCCOS NATE         0/0         N.M.T.F.         451         1908         2,57         1,36,505         3         3           7 CLA SATE         1 NUMASTANN         0/0         N.M.T.F.         451         1908         2,77         1,909         205         10         3,47         3         3,47         3         3,47         3         3,47         3         3,47         3         3,45         3	00000044040004000			。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。	00000000000000000000000000000000000000			AN RNNHH GTUUUU	
3 GAUGO TI SATP       1 ILLCOS STR       700       1 KHT, FC       400       1 100       2 1	- 4 0 4 4 4 6 4 6 6 4 6 6 6 6 6 6 6 6 6 6			。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				8 Z H X H X Z K X X X X Z X X X X X X X X X X X X
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5       8       8.4.2.7.5       1.10.000       1.4.2.5	104494004000 1044949000 104949000			,		4			1 8 4 8 4 8 8 8 8 8 6 7 8 9 8 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8
7         Trans.         7         Trans.         7 <th< td=""><td></td><td></td><td></td><td>、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、</td><td></td><td></td><td></td><td>ANNAHA MANGUNA</td><td>, , , , , , , , , , , , , , , , , , ,</td></th<>				、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、				ANNAHA MANGUNA	, , , , , , , , , , , , , , , , , , ,
8 RAST	14040004000 1999999999999999999999999999			, , , , , , , , , , , , , , , , , , ,	00000000000000000000000000000000000000				1%2%8%8%8%8%8%8%8%8%8%8%8%8%8%8%8%8%8%8%
9       FLAREN       1       NAMENTA       1 <td< td=""><td>000000000</td><td></td><td></td><td>, , , , , , , , , , , , , , , , , , ,</td><td></td><td></td><td></td><td></td><td>14888888888888888888888888888888888888</td></td<>	000000000			, , , , , , , , , , , , , , , , , , ,					14888888888888888888888888888888888888
10         PARARANA SET         1	10001000			៸៰៰៰៰៰៰៰៰៰៰៰៰៰៰ ៶ដីនឌ¥៩៩៩៩០៩៩៩	, , , , , , , , , , , , , , , , , , ,				
11       CARRENTS SUT       11000S NETE       110       11       1100S NETE       110 <t< td=""><td>0000000</td><td></td><td></td><td></td><td>00000000000000000000000000000000000000</td><td></td><td></td><td></td><td>188885838884388 19499974974994</td></t<>	0000000				00000000000000000000000000000000000000				188885838884388 19499974974994
Image: Second state         Image: Second state <thimage: second="" state<="" th="">         Image: Second state</thimage:>	001000 040774	· · ·			0000000000000	. •			12222352844482 122223528844882 1424749249249
13 SAPE GATT       1 ILICOS NETE       D)       T HLT.FT       US	40774				000000000				852238885388 899988853885
1       MARTE SATT       1       NARTE SATT       1       1       NARTE SATT       1       NARTE SATT       1       NARTE SATT       1       1       NARTE SATT       1       NARTE SATT       1       1       NARTE SATT       1       NARTE SATT       1       NARTE SATT       1       1       NARTE SATT       1       NARTE SATT       1       1       NARTE SATT       1       1       1       NARTE SATT       1       NARTE SATT       1	077.0			228300000000000000000000000000000000000	00000000				122328843282 991929883882
I SUN COREALD SATE I ENKENTENN DJD TR WATF, TA 1,748 2,273 0.7 159,928 2 17 EXCN SATE I ENKENTENN DJD TR WATF, TC 423 2,273 0.7 159,928 2 19 TEA SATE I ENKENTENN DJD TR WATF, TC 425 2,273 0.3 15,570 4 19 12 ENKENTENN DJD TR WATF, TC 425 2,273 0.4 15,570 4 15,570 1 20 KATT, TC 425 2,273 0.4 15,570 4 10 10 20 KATT, TC 425 2,273 0.4 15,570 4 10 10 20 KATT, TC 425 2,273 0.4 15,570 4 10 10 10 TR WATF, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,903 0.4 126,837 4 10 10 20 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 10 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 KATT, TC 425 1,003 0.4 126,837 4 10 10 10 KATT, TC 425 1,003 0.4 126,837 1 10 10 5,008 10 1 10 10 10 10 10 10 10 10 10 10 10 1	000			00000000 830 <u>7</u> 8884	000000				2328853282 214519695
10         CONCENTRATING         10	<b>7.</b> 0. 0		· · · ·	0000000 902984	00000				38843885
IT FLORE SUFF         I RNEWEINN         D/D         IT         IT         E.2.75         0.6         229,056         6           10 VICAS SUFF         1 NUMERIN SUFF         1 NU	с У С		· · · · ·	00000 00000	0000				25 55 55 55 55 55 55 55 55 55 55 55 55 5
1B WITHEN SATE         1 PARGENAN         D/D         N.T.F.         S.275         2.6         199,669         6           21 VACANTE         1 LLOOS NARTE         D/D         T. N.T.F.         S.275         2.6         199,669         6           21 VACANTE         1 LLOOS NARTE         D/D         T. N.T.F.         S.275         0.8         1.67,670         4           21 MACHING STUP         1 LLOOS NARTE         D/D         T. N.T.F.         S.275         0.8         1.66,533         9           22 MACHING STUP         1 LLOOS NARTE         D/D         T. N.T.F.         S.26         1.703         0.8         5.553         9         2.78         9 <td< td=""><td>2</td><td></td><td>· · · ·</td><td>50000</td><td>000</td><td></td><td></td><td></td><td>85.44 87.44 8.7.444 8.7.444 8.7.444 8.7.444 8.7.444 8.7.4444 8.7.4444 8.7.4444 8.7.4444 8.7.4444 8.7.4444 8.7.44444 8.7.44444 8.7.444444 8.7.4444444444</td></td<>	2		· · · ·	50000	000				85.44 87.44 8.7.444 8.7.444 8.7.444 8.7.444 8.7.444 8.7.4444 8.7.4444 8.7.4444 8.7.4444 8.7.4444 8.7.4444 8.7.44444 8.7.44444 8.7.444444 8.7.4444444444
19 VTGA SHIP       1 PANGATIWN       D/D       IR       WA, IF, FC       0.8       167, 670       4         22 IMORDOS INTE       D/D       IR       WA, IF, FC       0.8       1,903       0.4       156, 570       4         22 IMORDOS INTE       D/D       IR       WA, IF, FC       0.9       1,903       0.4       156, 570       4         22 IMORDOS INTE       D/D       IR       WA, IF, FC       0.9       1,903       0.4       156, 567       4         23 SMUTANY SHIP       1 ILCOOS NORTE       D/D       IR       WA, IF, FC       0.9       1,903       0.4       156, 504       2       27.3       0.4       56, 501       7       2       2       2000       11       200, 001       7       27, 200       0.5       9, 203       10       11       20, 506       0.1       76, 507       1       27, 201       1       2       2       20, 001       7       27, 201       1       20, 001       7       2       2       266, 501       7       2       2       268, 501       7       2       2       2       2       2       2       2       2       2       2       2       2       2       2 <td< td=""><td>2.6</td><td></td><td></td><td>ខ្លួន</td><td>00</td><td></td><td></td><td></td><td>19282</td></td<>	2.6			ខ្លួន	00				19282
20         CUERTICS NEART         D/D         R. M. R. R.         4/D         1,003         0.46,655         9           21         MAGRAUNES SILT         1100005         R. M. R. R.         200         1.903         0.46,655         9           21         MAGRAUNES FILT         1100055         R. M. R. R.         200         1.903         1.11         105,048         2           24         San AURESS SILT         1100055         R. M. R. R.         201         R. M. R. R.         400         1.903         1.11         105,048         2           25         SAN JUAN I SHUP         C.R. AREA         D/D         R. M. R. R. R.         400         1.903         1.11         205,048         2           26         SAN JUAN I SHUP         C.R. AREA         D/D         R. M. R. R. R.         200         1.903         1.1         205,048         2           28         RACARCARNY SHUP         C.R. AREA         D/D         R. M. R. R. R.         2,366         0.1         97,657         1         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2	0.8			0.0	6 0				3225
21 MAGNUNG SHT       1 ILCOCS NRET       D/D       R.M.T.F.C       395       1,903       0.4       126,687       4         22 SANDAMES SHT       1 ILCOCS NRET       D/D       R.M.T.F.C       403       1,903       0.1       97.88       2         25 SAN JUAN I SHT       1 ILCOCS NRET       D/D       R.M.T.F.C       403       1,903       1.1       97.637       1         26 SAN JUAN I SHT       CAR. ARA       D/D       R.M.T.F.C       403       1,903       1.1       97.637       1       2         26 SAN JUAN I SHT       CAR. ARA       D/D       R.M.T.F.C       403       1,903       1.1       27.206       0.1       97.637       1         27 SAN SHT       CAR. ARA       D/D       R.M.T.F.C       497       2.366       0.1       97.637       1         28 SAN SHT       CAR. ARA       D/D       R.M.T.F.C       497       2.366       0.1       97.637       1         29 BAGRIDANE SHT       CAR. ARA       D/D       R.M.T.F.C       497       2.366       0.1       97.637       1         20 CARANNE       D/D       R.M.T.F.C       1.007       2.038       0.1       97.637       1       9.67.63       9.76.526       1	с, С			ेत द					28.5
2       D Index II SHIP       1	0-4				0	:			8.4
24 Say AUCRES SHT 1 ILCOS NETT DJD IR WHILT.C 408 1.903 1.1 105,048 2 25 SAUTANN SATP 1 ILCOS NETT DJD IR WHILT.C 544 2.366 0.1 105,048 2 25 SAUTANN I SATP C.R. AREA DJD IR WHILT.C 544 2.366 0.1 107,048 2 20 SAUTANN SATP C.R. AREA DJD IR WHILT.C 544 2.366 0.1 107,048 2 20 SAUTANN SATP C.R. AREA DJD IR WHILT.C 547 2.366 0.1 107,048 2 20 SAUTANN SATP 2 NATA DJD IR WHILT.C 547 2.366 0.1 107,048 2 20 SAUTANN SATP 2 NATA DJD IR WHILT.C 540 2.366 0.1 207,277 2 30 SAUTANN SATP 2 NATA DJD IR WHILT.C 540 2.038 0.9 117,222,277 2 31 CARNINGAN SATP 2 NATA DJD IR WHILT.C 1007 2.038 1.8 25,221 2 31 CARNINGAN SATP 2 NATA DJD IR WHILT.C 1007 2.038 1.8 25,221 2 33 CARUTAN SATP 2 NATA DJD IR WHILT.C 1007 2.038 1.8 25,221 2 33 CARUTAN SATP 2 NATA NATA DJD IR WHILT.C 1000 2.038 5.6 44,777 4 3 ILANT SATP 2 NATA NATA DJD IR WHILT.C 1004 2.038 1.4 25,223 2 34 ILANT SATP 2 NATA NATA DJD IR WHILT.C 1004 2.038 1.4 17,545 4 58 ILANT SATP 2 NATA NATA DJD IR WHILT.C 1004 2.038 1.4 17,545 4 50 SAUTANN SATP 2 NATA NATA DJD IR WHILT.C 1004 2.038 1.4 17,545 4 50 LANTA SATP 2 NATA NATA DJD IR WHILT.C 1004 2.038 0.1 107,66 1.3 16,525 4 44,777 4 4,777 4 4,777 4 4,777 1.044 2.038 0.1 107,657 4 4,777	0.5			0 8	0			3.5	2 72
25 FAUDIMAN SAITE       1 ILCODE NARTE       D/D       TE       WH, TF, FC       400       1,903       11.       22,100       5         25 SAN JIAN IT SHITE       CAR. AREA       D/D       TE       WH, TF, FC       540       11.       22,100       5         25 SAN JIAN IT SHITE       CAR. AREA       D/D       TE       WH, TF, FC       540       11.       7,537       1         25 PACA SHITE       CAR. AREA       D/D       TE       WH, TF, FC       550       2,586       0.1       97,637       1         28 PACARANY SHITE       2 CAGAVAN       D/D       TE       WH, TF, FC       550       2,586       0.1       97,637       1         28 PACAMANY SHITE       2 CAGAVAN       D/D       TE       WH, TF, FC       1,007       2,038       0.3       17,650       112,742       1         21 CARANTARAN SHITE       2 CAGAVAN       D/D       TE       WH, TF, FC       1,007       1,007       2,038       0.3       55,500       1       17,640       1       17,641       6       6,526       4,577       4       17,641       6       4,577       4       17,645       1       1,745       1       1,745       1       1,7453       2<	r T			0 109	9 0	3.2 9.			111
26 SAN JUAN II SHE C.R. AREA D/D II WALF, C 544 2,366 0.1 97.637 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	r T			0	0	• .	5-1 0-7	14.7	3.5
27       Son JUNIT SAIP       Coll. AEA       D/D       TR       WALF, TC       697       2,366       0.7       122,277       2         28       MALAGUT SHT       Coll. AEA       D/D       TR       WALF, TC       597       2,366       0.7       122,277       2         28       MALAGUT SHT       2       COLONARY       2       COLONARY       2       2690       1         30       MALAGUT SHT       2       COLONARY       2       COLONARY       2       2690       1       2       26,201       1       2	1.0			0	2 0				0.61
22 BACANGARANY SALT       CAR. AERA       D/D       IR       W.T.F.F.       550       2,756       0.8       56,921       1         23 BALAGUTT STIT       2 NUEANT NET       2 NU	0.7	2 14.0 72,000		8	0	3.2	8.7 0.3	Ξ.	ន
20 EXAN SULT       2 CANANA       D10       IR       M.T.C.       1.2.0       1.2.00	2 V 2 V		1	0 v	- C		4 D	- 5	9
31 CARANNEAN SULP       2 NUMAN NUMAN SULP       2 NUMAN SULP <td>0 0 5 0</td> <td></td> <td></td> <td></td> <td>5 c</td> <td>4 4 4 4 4 4</td> <td>2</td> <td>1 2</td> <td>1.0</td>	0 0 5 0				5 c	4 4 4 4 4 4	2	1 2	1.0
2. WARNEN STIT       2. CACAVAN       D/D       10       10       11       14       10       15       16       15       16	η α 5 -			39	, ,		•		1.2.2
32 CARUTANI STIP       2 CARACKIN       D/D       32 W.H.T.F.C       502       1.746       1.9       371,009       8         34 IILADI STIP       2 NUERI VIZOLIA       D/D       32 W.H.T.F.C       502       1.746       1.9       371,009       8         35 NACANNEANT       2 NUERI VIZOLIA       D/D       33       W.T.F.F.C       502       1.746       1.9       371,009       8         35 NACANNEANT       2 NUERI VIZOLIA       D/D       33       W.T.F.F.C       502       1.746       1.9       1.67,451       6         37 NATARCENE       D/D       33       W.T.F.F.C       502       1.746       3.1       157,451       6         37 NATARCENE       D/D       33       W.T.F.F.C       502       1.746       0.5       105,451       6         38 NATARCENE       2 NUENA VIZCANA       D/D       33       W.T.F.F.C       503       1.4       17.453       2       105,451       6       765	) ( + C							a r	2
3. IIADI SEIP       2 NUAL SEIP       2 NUAL VIZONA       D/D       2 NALT, R       1,000       2,033       5.6       44,777       4         3. NGANUCAN SEIP       2 NUEN VIZONA       D/D       2 NALT, R       1,000       2,033       5.6       44,777       4         3. NGANUCAN SEIP       2 NUEN VIZONA       D/D       12 NALT, R       9.000       2,033       5.6       44,777       4         3. NEANUCAN SEIP       2 NUEN VIZONA       D/D       12 NALT, R       9.000       2,033       1.4       17.46       5.1       167,451       6         3. NUMMERSEIP       2 NUEN VIZONA       D/D       12 NALT, R       9.01       12 NALT, R       9.01       14       17.46       5.1       167,451       6         3. NUMMERSEIP       2 NUEN VIZONA       D/D       12 NALT, R       9.01       2.033       0.5       46,768       2         3. MALAN SUP       2 NUEN VIZONA       D/D       13 NALT, R       1.006       2.033       0.5       46,776       53       46,776       54       46,776       54       47,775       54       57       54       57       57       57       57       57       57       57       57       57       57       57 <td></td> <td></td> <td></td> <td>s c</td> <td>) C</td> <td></td> <td></td> <td>.2</td> <td></td>				s c	) C			.2	
35 NGANACAN SATE       2 TANETA       D/D       TR       WALTAR       8.2       1,745       3.1       167,423       6         36 BALENE SATE       2 NUEAN VIZCAM       D/D       TR       WALTAR       8.2       1,746       3.1       167,423       6         37 NUEANACAN SATE       2 NUEAN VIZCAM       D/D       TR       WALTAR       8.2       1,746       3.1       167,433       2         38 NUEANACAN       2 NUEAN VIZCAM       D/D       TR       WALTAR       8.2       1,746       0.6       133,684       4         39 LANDER SATE       2 NUEAN VIZCAM       D/D       TR       WALTAR       8.2       1,746       0.5       46,768       2         39 LANDER SATE       2 NUEMA VIZCAM       D/D       TR       WALTAR       9.6       2,038       4       4         40 SAM ANTOROD SATE       2 NUEMA VIZCAM       D/D       TR       WALTAR       2.06       1.8       2.37,027       6       5       46,768       2 <td>9</td> <td>۰. ب</td> <td></td> <td>0 553</td> <td>0</td> <td></td> <td>1.8</td> <td>2</td> <td></td>	9	۰. ب		0 553	0		1.8	2	
36 FALENE SAIP       2 NUEW VIZCAUA       D/D       IX       WALTER 1,014       2,038       1.4       17,453       2         37 MENARCHG       2 ISABEA       D/D       IX       WALTER 1,014       2,038       1.4       17,453       2         39 MENARCHG       2 ISABEA       D/D       IX       WALTER 16       889       1,746       0.5       133,684       4         39 MENARCHS       2 NUEM VIZCAUA       D/D       IX       WALTER 16       889       1,746       0.5       14,753       2         39 MANDES SAIP       2 NUEM VIZCAUA       D/D       IX       WALTER 16       985       1,746       0.5       16,768       2         41 ABEAN       2 NUEWA VIZCAUA       D/D       IX       WALTER 2       912       17,46       0.5       16,763       5         41 ABEAN       2 NUEWA VIZCAUA       D/D       IX       WALTER 2       11,748       2.6       100,467       5         42 REINTAD SAIP       2 NUEWA VIZCAUA       D/D       IX       WALTER 2       1,748       2.6       140,467       5         42 REINTAD SAIP       2 NUEWA VIZCAUA       D/D       IX       WALTER 2       130,467       5       4       2,213	н н е			0 305	is vi		4.1	26.7	0.IE
37 MICHAGHG       2 ISABEA       D/D       DR       WH, D', PC       689       1,746       0.6       193,684       4         38 KIDANUS SATT       2 MUEM VIZCAM       D/D       DR       WH, D', PC       66,768       2       33,684       4         39 LANGES SATT       2 MUEM VIZCAM       D/D       DR       WH, D', PC       965       2,033       0.5       46,768       2         39 LANGES SATT       2 CAGAWA       D/D       DR       WH, D', PC       961       1,746       0.5       237,027       6         39 LANGES SATT       2 CAGAWA       D/D       DR       WH, D', PC       961       1,746       0.5       36,778       5         41 ABIAN       2 D/D       DR       WH, D', PC       1,068       2,033       0.8       373,000       7       4       2       24,146       7       2       34,146       7       2       34,176       2       34,176       1,046       7       2       333,000       7       4       4       2       14       2       14       2       2       34,176       2       34,176       2       34,176       2       34,176       2       34,176       4       3       2	1.4			0 142	2 0	Ċ		7 87	2.5
38 KIRANG SAIT 2 NUEVA VIZCAYA D/D IR WALTE,FC 996 2,038 0.5 46,768 2 39 KANGE SAIT 2 CAGAYAN D/D IR WALTE,FC 931 1,746 0.5 27,027 6 40 SMA ANTONIO SAIT 2 CAGAYAN D/D IR WALTE,FC 1.068 1,746 0.5 27,027 6 41 ANTAN SAIT 2 NUEVA VIZCAYA D/D IR WALTE,FC 1.068 2,038 0.8 128,225 5 42 REINTAND SAIT 2 NUEVA VIZCAYA D/D IR WALTE,FC 1.068 2,038 0.8 128,225 5 43 MALAM SAIT 2 NUEVA VIZCAYA D/D IR WALTE,FC 1.065 1,746 2,6 140,467 5 43 MALAM SAIT 2 CAGAYAN CAVREYA D/D IR WALTE,FC 1.065 1,746 2,6 140,467 5 44 ANNES SAIT 2 CAGAYAN CAVREYA D/D IR WALTE,FC 1.056 1,746 2,6 0.4 79,574 2 46 VIZCAYAT SAIT 2 CAGAYAN CAVREYA D/D IR WALTE,FC 1.066 2,038 0.4 12,200,299 12 46 VIZCAYAT SAIT 2 CAUNA D/D IR WALTE,FC 1.066 2,039 0.5 127,550 3	0.6			55	0			16.2	17.6
39 LANDES SATE 2 CLANDAR SATE 40 SAN ANTORUS SATE 2 UNEAN VIZANA DID IR NALFER 941 2,038 0.6 282,235 5 41 JAHAN SATE 2 NIENA VIZANA DID IR NALFER 946 2,038 0.8 2038 0.8 373,000 7 42 RENTANA SATE 2 ISABEA DID IR NALFER 1.065 1,745 2.6 340,467 5 43 MALAN SATE 2 ISABEA DID IR NALFER 1.065 1,745 2.6 340,467 5 44 ANNES SATE 2 CLANDA DID IR NALFER 1.055 1,745 2.6 340,467 5 44 ANNES SATE 2 CLANDA DID IR NALFER 1.378 2.6 0.4 73,500 7 44 ANNES SATE 2 CLANDA DID IR NALFER 2.033 0.8 373,000 7 44 ANNES SATE 2 CLANDA DID IR NALFER 2.033 0.5 373,000 7 44 ANNES SATE 2 CLANDA DID IR NALFER 2.003 0.5 102,503 12 45 VIZTORIA SATE 2 CUARDA DID IR NALFER 2.003 0.5 102,503 12 45 VIZTORIA SATE 2 CUARDA DID IR NALFER 2.003 0.5 102,503 12 2 CUARDA DID IR NALFER 2.000000000000000000000000000000000000	0.5			¥7 0	¥ 0.			. • •	45.3
4.0 SWARTOUD SATE         2 NUEVA VIZZANA         D/D         TR         NALF.FC         941         2,033         0.6         288,225         5           41, MITAN SATE         2 NUEVA VIZZANA         D/D         TR         NALF.FC         941         2,033         0.6         288,225         5           42. TEARTIMA SATE         2 NUEVA VIZZANA         D/D         TR         NALF.FC         1,065         1,746         2.6         140,467         5           42. TEARTIMA SATE         2 TSABEA         D/D         TR         NALF.FC         1,065         1,746         2.6         140,467         5           43. MALIAN SATE         2 TSABEA         D/D         TR         NALF.FC         1,746         2,013         0.8         373,000         7           44 NANG SATE         2 TSABEA         D/D         TR         NALF.FC         1,714         2,013         0.4         2,573         0.2         733,000         7           44 VIZTARE SATE         2 TSABEA         D/D         TR         NALF.FC         1,016         2,033         4.1         20,029         12           45 VIZTAREA         D/D         TR         NALF.FC         2,033         4.1         2,056         2,033	<b>5</b> .5		ų į	C 0 .	2		-	5 <u>8</u>	8
41, ANTAN SATP 2 MEVA VISCARA D/D IR PALIF, FC 1,008 2,002 (5,222 2) 42. TEARTIMD SATP 2 TEARETA D/D IR PALIF, FC 1,005 1,746 2,65 440,487 5 43. MALIAN SATP 2 TEARETA D/D IR PALIF, FC 1,376 2,033 0.48 733,000 7 44. AVENUES SATP 2 CASANAN CLANRETA D/D IR PALIF, FC 1,317 2,2032 4.1 250,233 12 44. VALENETA SATP 2 CUTATION D/D IR PALIF, FC 1,066 2,033 4.1 250,233 12 44. VALENETA SATP 2 CUTATION D/D IR PALIF, FC 1,066 2,033 4.1 250,233 12	е С			8	0		7.5 E. 1.9	R S	0-24 75-0
42 REMARKA SALF 2 EAREA U/U LK WELF. C 1,000 L/W 2 04,040 5 1 4 2 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1			÷.	9 9 9	с , 9 ,			1	4 8 7 1
45 EXAMPLES THE 2 EXCAVAN CLARECK DID IN WITHIN 201 2,000 0.0 0.12,000 1 44 VILLER 1,174 2,215 0.4 79,574 2 44 VILLER 5 517 2 0.0539 4.1 20,539 12				t N ⊃ c	a c t s	2 V 1	2	1 E	3 8
A NUMBER SAILP         2 CONTRACT         D/D         DN         Number Sail         J/D         Numer Sail	40			. 9	2			ä	3
46 VIETOPLA SHP 2 COTAUNO D/D IR WITE/FC 1.066 2.038 0.5 202,550 3	1.4	207		1985			18.1 4.8	5.7	1.2
	5.0	10-3		0	. 0		3.6	24.7	0.3
47 SAN MARCOS SATT 2 CONTADO D/D TR NATE: R 1,089 2,023 0.8 111,035 4	0.8 8	4 11.2 30,000		0	0	6.4 5	55	23-6	37.8
1 48 SAN REANCISCO SATE 2 CUTEDO D/D IR WALF. 2,963 2,038 1.2 391,700 12	1.2			0 107	0 4	1 2.01	7.1 2.6	4.4	45-0
P 2 ISABEA DID IR WALF, FC 1.022 2,038 0.2 58,040 3	0.2	3 6.5 4,333		8	2		1.4 0.5	5.25.5	6"0E
50 CLD SAN HARTARD 2 ISABILA DID IR RALTERO 1.014 2.038 0.6 46,480 2	0.6	: ;		3 3	8	3.2	3.4 0.4	ទ	2
IR WALTF.FC 997 2.038 0.9 213,300 5	6°0	5 13.0 41,040		8	0	8.0	7.0 . 1.1	2	32.7

Major Features of Qualified SWIM Projects (4/6) -- BSWM No.1 --

Table 4.3.1

No.     2. ISARDA       52. MINULO SHIP     2. ISARDA       56. AFUSING DACA SHIP     2. CACAVAN       57. NASTR SHIP     2. CACAVAN       57. NASTR SHIP     2. CACAVAN       58. CARLANCAN SHIP     2. CACAVAN       59. GAVALANCAN SHIP     2. CACAVAN       50. SAMPLICE SHIP     2. CACAVAN       60. SAMPLICE SHIP     2. CACAVAN       61. STO. DAMINGO III SHIP     3. NUEVA EDIIA       62. YILLA LEADO SHIP     3. NUEVA EDIIA       63. YILLA LEADO SHIP     3. NUEVA EDIIA       64. BUTTA EDADO SHIP     3. NUEVA EDIIA       65. WILLA LEIA SHIP     3. NUEVA EDIIA       66. VILLA JELA SHIP     3. NUEVA EDIIA		MAIN INCIDENT	, KUNDEF	" <u>S</u>			VOIL		5		នឹង	ι	X Idans	FISE FOURT	ROTECT		5 1	NATES NO.
22 MINULO SALP 52 AUGUNG DACA SAIP 53 ANGIN SAIP 54 CARAVIN 54 CARAVIN 54 CARAVIN 54 CARAVIN 54 CARAVIN 54 CARAVIN 55 CARAVIN 56 CARAVIN 50	INTUS PU	STATUS PREPOSE PIRHOUSE	(i)	(99	Azte (bm2)	CAPACITY (Em3)	A32A (be)	Ê,	Î	AREA (ha)	- (1991)		CAPACITY PR (m3/day)	(ton)	COST - DENEFTT (million pesos)	11	Ê	6
S5 AFUSING DACA SHIP 2 CARAVAN 57 NASTR 58/IIP 2 CARAVAN 58 CAVALLANCAN SHIP 2 CARAVAN 59 CAVALANCAN SHIP 2 CARAVAN 60 SAMPLICS SHIP 2 CARAVAN 61 STO. DAMINCO TH SHIP 2 CARAVAN 63 STULA ROADO SHIP 3 NUBYA EDILA 64 DITTA FIGAD SHIP 3 NUBYA EDILA 65 MUTUACO SHIP 3 TARLAC 66 VILLA LELA SHIP 3 NUBYA EDILA	r	R WER	- 1 - 1	2	8 0.7	365, 775		13.6	46,000	8	, C , ,	8	, <b>9</b>	16.0	9 G		10.5	25.6
57 MASTR SAITE 2 CARAVAN 58 CAVALANCAN SAITE 2 CARAVAN 59 GANZANO SAITE 2 CARAVAN 60 SAMEALIC SAITE 2 CARAVAN 61 STO. DYMMAD III SAITE 3 NERA EDIIA 62 MASUTET SAITE 3 NERA EDIIA 63 VILLA ROAD SAITE 3 NERA EDIIA 65 MATHERO SAITE 3 TARLAC 65 VILLA ISLA SAITE 3 NERA EDIIA 66 VILLA ISLA SAITE 3 NERA EDIIA	e e	日本の日	532 932	17	6 1.3	421,600	8	14.0	20,000	8	•	Ħ	0	12.8	9.2	17	6.51	24.2
S CRALLANCAN SAFP 2 CARAVAN S QANZAN SAFP 2 CARAVAN 60 SAFRALICS SAFP 3 NEWA EDIA 61 STO. DOMUSD III SAFP 3 NEWA EDIA 62 YILA BOAD SAFP 3 NEWA EDIA 63 YILA BOAD SAFP 3 NEWA EDIA 64 ENTID SAFP 3 NEWA EDIA 66 VILLA ISLA SAFP 3 NEWA EDIA 66 VILLA ISLA SAFP 3 NEWA EDIA	e i		. '		,	136,00	2	5.6	23 625	5 5 1	0	8	•	8.0	5		17.4	35.8
60 SAFALANO SALF 61 STOL DATURO SALT 61 STOL DATURO SALT 62 MASAUFTI SALF 62 MASAUFTI SALF 63 VILLA ROAD SALF 63 VILLA ROAD SALF 64 SAURUDOS SALF 65 VALLA ISLA SALF 66 VILLA ISLA SALF 9 MURIA SALLAC 9 MURIA SALF 9 MURIA SALLAC			÷,	7 210		113,412		2	00.0	8	0 0	8		9.9	5			
60 SEFERILL SALF 81 STOL DEMINIC TIT SALF 82 MASAUET SALF 83 VILLA ROAD SALF 84 BITTL ROAD SALF 84 BITTL SALD SALF 85 MAURICS SALF 85 MAURICS SALF 84 BITTL ISA SALF 85 VILLA ISAA SALF 84 BITTL ISAA SALF 84 BITTLA ISAA			i			55. V. 5	0 F	1		₹	э с	8 F	20	y : d (	20			
OL NAVITATION DATA AND A MARKANA AND AND AND AND AND AND AND AND AND				1		205, 424		2		3 8	о с	( ) 2	> c	4 V 1 K	9 K		21.5	18
63 VILA BOAD SATE 3 NAEW EDIA 64 ENTO SATE 3 NEW EDIA 65 MAUNICO SATE 3 TARLAC 65 VILA ISIA SATE 3 NEW EDIA						495.74		00	202		• •	3 8	þ	2	7.7		10	2
64 BUTTE SALP 65 MANINGOS SALP 65 MANINGOS SALP 9 ANEMA ESA SALPA 9 ANEMA			• •			212.79		0.11	15.500	100	÷	2 8 1			2.2	÷ .	0 00	20.3
65 MANDAGOS SATP 65 VILLA ISLA SATP 3 NUEVA EXTLA	q					306.078	9	10.2	22,000	8	0	S	0	9.6	6.7		S C	31.3
ALLA ISLA SHIP 3 NUEVA ECTIA	0/0	田子王王	FC 1,248			42,302		13.5	23,300	ន	0	66T	0	1.6	5.4		7.7	25.6
	( () ()	山家の山	526		0.8	227,278	•	3.4	17,500	8	Ð	2	0	27.6	5.8		31.5	61.9
CATALINA SHIP 3 NUEVA ECILIA	D/D	民 张田子		-4.	70	12, 12	7	о. Ц	29,000	ጽ	0	R	0	6.4	ς, Ω		13.5	8.2
68 PULD SWIP	6		22	1,630	0°8	25,030	•	ਜ	42,705	ន	0	ᅻ	0	6.4	6.9		9.1	772
69 STO DOMINGO II SWIP 3 NEVA ECILA					4 v 0 v	281,663		2	22,580	8	о і	ន		2.21	4		6.9 9	7.04
70 BITUNGOL SWEP		2			0 4 0 4 0 4	Sto net	ሳ ‹ እ /	- - - -		38	<b>.</b>	ន រុ	Э с	0 . 2			4 9	5 C
ALTER ALTER C CALLS I ALTER ALTER A						041 774	n a 			3 8	> <	5	<b>&gt;</b> c					5
72 DIV LUTLING I SHIT I DI MUNA DULLA 73 MANTANTANTAY SUTO 7 NITUA DULLA				1	200	50. 502 501 - 502	• # • •	2 01	000.77	2 8	<b>,</b> ,	7	. c	+ C			2.0	0 0 0
74 NAMULANDAYAN SATIP		E W E			0 7.2	1.098.613	27		30.200	8	• •	663	• •	43.2	24.8		2 3	6.15
75 PARISTA SMIP	ê	H H H			0 3.4	222.656	, vo		35,938	8	0	1 ze	0	9 6	5.01	H H	6 91	2:52
52	0 d	H W H	FC 552		0°0 0	365,540	ود	0.6I	110, 500	ጽ	Ð	83	0	9"6	9-21		6.1	16.7
4 TATINICKI SMIP	a a	11. IN 11.	ਜੈ 	<u> </u>	15 0.3	रका'गर	ŝ	12.3	38,600	ጽ	o	82	0	8.0	5.4		<u>م</u> .	13.9
78 PAKALA II SATP 4 08 PAKALA MDUDRO	e e	「日本」			5 0.3	155,640	m'	10-0	28,000	к	<b>o</b>	ន	0	4.8	5.8		7.5	1.1
79 BAYURIN SHITP	81		đ			91,323	. 19	5 5	002.61 10	3	ο (	5	O (	3.2	년 1 1 1		ខ្ល	16.7
BSAM SO CAMERAY SMIP 4 ULULANIAL MINUMU				1 879	1 1 0	200°027	- 0	2 2		7 a	<b>-</b> -	àă	) c	7.7	0 v 1 v			24.5
					0.5	54.180			20, 265	3 8	, c	13		2.6	2.2		0	1.42
A TATNAC SUTP 5 CAMARTNES NURTE		E WER			2.0	76.545	i m	0.6	8 8 9	ន	0	14	0	4.8	4.6		8.9	32.8
RA CAPAVAN 5 ALPAY		E E F	i ni			153,007	6		15,458	001	0	61	o	74.4	<b>1.</b> 9		1	3.4
BE BURGOS SWITP 5 CATANDIANES				4,029	6.0 2	ม	н	7.0	20,700	ุ่ม	0	ដ	0	1.6	4-4			15.8
87 F. ARCANTEL SAID	ę	TR NY TR	FC 1,579	1		53.214		8.8	29,792	Я	0	2	Q	3.2	S.7			5.3
9	ę	日、日、王、日、日	નં 		1		دم	0 6	16,120	ង	0	옃	0	3.2	9 19	ف	18.2	27.4
89 STEALIN-TORALEA SAIP	e i		ні і П		2 0 7 2 0 0	797.12	51 C		160°51	88	5 6	5	00	2 ( 4 (	4 •	4.0	1	2-9
90 PANLACANTAN SHIP			-1 - 	7		CN2.91	4 -		24,200	R 8	<b>ə</b> (	<b>a</b> :	50	2.0	4 - 7 -		+ + 2 +	e i S z
91 TRACTANO SMIP	9.0					216 21	-1 <			R 9		\$ \$		0 0 1 0		ы 1 2 2 0		1.12
92 SAN ROOLE SHIP			۰. ۱	4	9 0 9 0 9 0		4 -		3	₹ş	<b>&gt;</b> (	8 3	> <	7.0	, , , ,		<u>,</u>	
0 S3 ARANAG SWITP					4 0 2 0 2 0	10,20	* *	, c , r	20,00	3 8	5 c	ş ;	5°0	4 r 0 r	<b>0</b> 4			
8			3 - 2 &	1					- 000 PT	38	<b>,</b>	4 3	<b>,</b>	***	e r i u		4. c	9 r
			i ÷	÷ به د د		18.	* -	i s		3 ¥	- c	‡ Ş	) c		-1 i-	4 F 4 C		1 α 1 α
	Ē		Î		. U. F.	35 670	• • •	0	11 000	រន	) c	3 9		, c , c	ι α •	4 r • r		
	E	N TH MA			۰.	176.495		1.0	28.98	01F	• •			8.6	5		÷.	4.61
DO NINCKA SLID			i -i		2.0 2.0	71.336		, 9 9 9	25.000	ន	• •	ដ	• •	1 1	. in . 4	9.6	12.3	17.6
		TR WHITE BC			11	22.25		3.5	19.500	100	. 0	767	6	2.5	8.6			10.54
		TR W.T. FC	i ei		5.1.3	19.567	5	0.51	45,000	8		E E	Ö,	3.2	8.2	101	5.4	23.8
TOT POWER POWER T SUTTO					1.0	79.439	•••	2.0	8.800	100	. 0	8	o	5.4	5-7		20.5	25.3
			i H		4 0.5	106.019	. en	12.0	10.250	81	. 0	3	0	4	6.9	1		1.55
TIRASAN SUTD			FC 1.568		0.6	55.77	2	9.6	33.400	ង	0	1	0	3.2	5.6	۰ ع	14	16.2
LACABARAN SUP	qd	THE RALE R	3	5 2.912	0.5	75.320	0	6.0	36.600	ន្ទ	0	3	0	9.6	1.7		3.9	42.3

Major Features of Qualified SWIM Projects (5/6) -- BSWM No.2 --

Table 4.3.1

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							ANNUAL 1	ANNUAL C		10	RESER- D	NA DAN		<b>1</b>	64		WATER.	1				ALCEN D	
No. AGENCY PROJECT NAME No.		RECION	FROVINCE	FROJECT STATUS	MAIN INCIDENTA FURPOSE FURPOSES	ы <b>н</b>	UNDER R		MENT AREA	STORAGE VI CAPACITY A			VOLLARE GATICA (m3) AREA		CUPACITY TV	NDIAN C	SUPPLY P	NOLICICIDZA	FROJECT COST	TOTAL PLANE	Ħ B	<b>8</b> 9	
								Ň	(jang)	(50) (20)	(Fa)		(178)				~	(tas)		(milion peace)	1		I
101 RSPM 110 DAMERACAY SAID	MTP MTP	8 NORTHER	NORTHERN SAMAR	a/a		W. IP PC	1,393	3,030	0.3	114,866	4		1,000	ន	0	5	0	6.4	5,9	6-0		3. N	۱ <i></i>
RSAM 111		<b>B EASTERN SAMAR</b>	N SAMAR	6,0	fí	N. IF R	1,720	4,020	0.7	161,491	m	-	15,323	53	a	63	0	4.8	6.4	2.1	34-3	43.5	
103 BSIM 112 CANEIN SKIP		8 LEVIE	• .	e		X H K	2,154	2,130	0.5	396,065	9 9	10.0	6,800	8	ø	\$	0	14.42	8 <b>4</b>	р Н		7.64	
TOL BOAN 113 INDOAN SHE		8 SOUTHER	SOUTHERN SAMAR	<u>8</u> 6	Ħ	民日王	2,849	3,906	0.2 7	59,845	2 2		7,200	ม่	0	<b>1</b> 6	0	3.2	3.2	0.5 2.5	14-6	2.8	
TOS BORN 114 POLANDA	0.	8 EASTOR	EASTERN SAMAR	8		M, IF, IF,	1.706	4,020	0.5	70,331	- - - -	6.0	9°600	ጽ	0	\$	ð	4.2	3.5	r H	33.7	25.	
THE NUMBER STE WAS STE		8 VESTERN SAMAR	A SAMAR.	e		ខ	1.408	2,593	1.3	38,000	ન હ	ុ ខ. ព	28,430	8	0	0	0	3.2	<b>6</b> .9	n.d.	p-d.	20.4	
TIMS CINY COOK ATT WEST TO I	<b>0</b> .	9 ZAMBOAN	ZAMBOANCA DEL SUR	Q/0		N. 12, 12,	1,694	2,996	2.0	66,339	4	• ਸ	89 77	8	0	ฏ	0	6.4	8 19	ц Ц		38	
THE BOARD STE MASS SOL		9 ZAMBOAN	ZANEGANCA DEL SUR	g		K, IE, K	3,644	2,996	0.3	55,235	н н	9.EI	007*61	8	0	27	•	7.6	4.9	4	19	3.8L	
		9 ZMEON		6		H. F. R	1,773	2,996	0.6	<b>58, 125</b>	n N	ੇ. ਹ	12,040	8	0	S	0	4.3	5.3	L I	5 72 .	24	~
ATHS I BRWATI OZT WESE OTT	Ď.	9 ZAMBOA	ZAMBOANCA DEL SUR	e A		K H K	1,65	2,51	1.0	61,871	н 1	្ត្រី	15,600	8	0	8	0	3.2	5.4	H		27.	~
THIS IT SAMALIZI LANGE IT SATE	e.	9 ZAMBON		e a	fi	ы К Ц Ц Ц	1.652	2.51	0.5	8,734	ы ы		26,200	S	0	ጽ	0	3.2	5	님	18.2	8	ŝ
AIMS VISIANARIA 727 MASE 211	Ê	9 ZAPEON		e a		記述が	2,001	2.21	5	60,204	ਮ ਨਾ	2-5	20,200	8	O	ک	G	3.2	6.7	1-0		31	
THE SULLOS SET MASE ELL		9 ZANEOM	ZAMPONNEA DEL SUR	e e	e	記官を	1,642	2 511	0.2	76, 566	ы 1	0.11	50,400	2	0	20	o	3.2	15				m
	o,	NONTIDADE OT	8	e A	ei.	2	2,657	5,056	о 1-0	48 210	m ·	6.0	6,000	ន្ម	ø	8	0	4.3	4.9				œ
THE BUILDIN 221 MARS SIL	Π.	NAZUTA OL	10 AGTEAN DEL NORTE	e A	Ħ.	N IL N	1,579	2,316	0	78,549	4	8-0	S0,000	105	0	3	0	6.4	6.1				st
TIPS NOTATINE BALTRAYON SATE	Ei	10 STRUGH	10 STRIGHO DEL NURIE	6	é	N II N	3,361	3,906	0.7	48.210	н Н	0. 1	1,200	8	o,	6	0	1.6	7.8		• •		~
THE OWNER AND AND ALL MARE THE	-	NONCOMPACING OF	8	ea	Ħ	N III N	2,686	5.056	0.3	158,448	► 1	6.2	9,000	940	0	5	0	2.1	5.2			-	
TIR BSAM 128 TALO-AO SAIP		IO AGUSAN	to actean del north	e	Ħ	と日本	2,143	2,316	0.8	295,439	1 1 1		8,000	155	0	8	0	2.11	4.9				4
THE NVERTHOL SET HESE STL	Ê	NASUCA OL	<b>JO MUTSAN DEL NUKUE</b>	e e e		N II N	1,611	2,316	1.6	206,932	0		34,000	ß	0	8	0	8 ਸ	20.1	2.6			ы
120 BSHM 130 MINIU-OD SWIP	۵,	10 AGUSAN	10 AGUSAN DEL NURTE	8		N IA N	2,380	2,316	0.8	118,557	5		25,676	8	0	2	0	4.9	3	2	5.5		è
STAR DADALAN LEI MARA IZI	Δ.	TO ACCEAN	TO ACTEAN LEL NURTE	ę	Ħ	N.H.N	1,509	2,316	0	63,430	~	ę	10,900	ຊິ	<b>o</b> '	2	<b>0</b>	3.2	57	2	99 87	46.2	2
TINS OMMANNANTAT TAL MARAN SAIR		IO AGUSAN	IO AGUSAN DEL NURTE	Ê	fi Fi	N. H. N.	2,193	2,316	0.6	516.43	-1 m		00 00 1	8	0	42	0	4, 0 9, 4	8.4	ษ	200	ส่	vo
TINS ONL-ONLINE EEL MASH EZT	E E	10 BUCHNON	8	e A	ឥ	H. F. F.	1,673	5,056	1.2	88,993	.s	o,	50°00	8	0	ຮູ	o	6.4	9.9		41.0	ผ่	S.
124 BORN 134 SAN RAEATL SHIT	۲. ۲	CWAND II	DAVAC CREENTAL	គ្គ	Ħ	N H H	ž	2,639	0.0	206,731	-н -л		16, 391	ង	<b>o</b> '	ŝ	o	9 <b>.</b> 0	6.3		6	ង	en i
125 RSM 135 BUKAY-PAIT SHIP	E C	FILLOS IT	OTABATO HITOS	ß	Ħ	N II N	ŝ	ក្ត	5-0-	146,733	লা. ব্	0.1	41°000	SET	¢	287	0	6.4	12.3	1.6		8	4
1255 ISSIM 136 LIBUDON SHIP			DAVAO GRUENIAL	ea	ផ	N II N	5	2,639	6.3	17,750	н	~	6,100	ន	Ö	ล	¢	1.5	28				ю
TIRS OFTENMEN /ST MESS /ST	B		OTABATICO ETIDOS	ŝ	Ă	利用を	395	ក្ត	2.5	68,848	2	0	2,400	9	Ð	241	0	54 6	<b>ຕ</b> ິ ຄ	•	•		2
TIRS INVENTI BET MESE SET			EINDN TEID OWNWO	e A	Ħ		83	2.633		551,755	ਜ ਜ	2-0	47,000	ମ୍	<b>0</b>	Ş	0	17.6	191	н. 8	2		Ś
129 BOW 139 FLORIDA SWIP		DAVAO	DAVAO DEL NURTE	e A	Ħ	N H H	60	2 639	11	313,912	ษ: อ	o o or	31,800	ន្អ	0	61	0	12.8	0		• •	15. 14	4
		DAWAD II	DEL NORTE	B	e	N II II	ន្ល	Z,639	2	134,163	-4	2-2	12,695	9	o	\$	•	6.4	0-4-		·		8
THE SATION WAS INLINES IFI	日本	11 DAVAO DEL SUR	DEL SUR	R	Ħ	と正定	8	2,639	2-8	111,316	4 1	0 1	39,400	8	σ.	579	0	\$	30.6	•••	ផ្ល	1	63
132 BSAN 142 BOLLON SALLS		CHANNEL II	No. 1	A	f	N II W	5	Z.639	2.3	49,963	+-4 []	16.0	13,250	2	0	ឌ	o	9 7	5.1				~
AIMS AVIAGE ENT WHEN EET		12 NURTE COTABATO	CUTABATO	8	f	N TH M	2,,397	L'S	5	67,053	н (Ч	0°5	39,000	200	0	ęş	0	3.2					N
ATHS ADDT WIT WASH NET		ONNACIONAL 21	DANAO -	8	fi	記事	2,428	1.26	1.0	89,613	ø	7.0	49,200	ង	Ģ	Ŗ	ò	9,6	7.4		6-01 51		ŝ
ATHS NAMADATIVE SYT HASA SET		ULARDE COTABATO	COTABATO	8	Ħ	N. T. N	2.441	L'ST	T	241,742	\$	0-6	37,000	ន្ត	ວ	8	ø	1.1	ភ្ន		พื่	39.8	10
136 BORN 146 TINERTRAN	4TP	ULARANDO HURUN 21	COLVENIO	8	ri .	W.T. P.	2,443	1.3	0.0	100,789	4	8.0	80.7	នុ	Ċ,	8	Ò	<b>6.</b> 4	<b>2</b>	2.6	<b>R</b> 1		Ċ,
THE YOUR LAT MESS LET		NATION 21	SULTAN KUDARAT	8	ei.	ALT R	2, 334	1,256	0.8	78,125	н N	14-0	000'91	ន្ល	0	2	Ċ	3.2	₩. 	4	23	0 17 0	o
TIMS VIEDNYT 64T WEST SET		12 SULTAN	SULTAN NUMBAT	8	ei	L' EL H	2,069	1,256	0.2	52,973	~1	0.0	13,167	ន	Ö	ឥ	0	245	n M		ล		60
139 BSAN 150 NEW CARAEN		TABAGIN NULLUS 21	SULTAN RIDARAT	ę	f		2,159	1,256	1.0	286,642	17	8.0	80.8	5	0	8	0	8	0	- 2.2	2	3	н
THE REAL TO MANAGEMENT STILL	Ê	12 NORTH	COLUMNIO	e a	A	N II N	2.53	52	0 0	93,607	ø	7.2	9,740	8	 0	81	0	9.6	9.1	Ч	9 35.1	8	0
												-					•			· ·			
			TTC. Taland Dishar		(- Tater	V.M. Watersheri Manucement	- inent	•								•		•				· · · . ·	
TRY TEESSALITY IN THE SAL	FUE FALLEN WENT				1			•				1			•			1.1.1.1	2	:		1	

Table 4.3.1Major Features of Qualified SWIM Projects (6/6)-- BSWM No.3 --

- 152 -

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PR = 30ZTS + 40ZEV + 30ZSE
Where,
TS = Merit Point of Technical Soundness
EV = Merit Point of Economic/Financial Viability
SE = Merit Point of Social/Environmental Impacts
```

Table 4.4.1

#### Criteria of Priority Ranking (2/4) -- Merit Point of Technical Soundness (TS) --

TS(30) = 202RF(6) + 202SE(6) + 102CD(3) + 102CW(3) + 202FC(6) + 202TD(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 50 Less than 7 (too large dam) (a)Between 7 and 12 (adequate scale) 100 (b) More than 12 (too small dam) 50 (c) SE = Effective Storage Capacity / Embankment Volume (2)Less than 5 50 (a) 50+((SE-5)x2) (b) Between 5 and 30 More than 30 100 (c) (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 Between 10 and 30  $100 - ((CW - 10) \times 2.5)$ (b) Below 10 (c) 100 (5)FC = (Reservoir Area at Full Water Level x Overflow Depth)/ Drainage Area (mm) Less than 50 50 (a) Between 50 and 300 (b) 50+((FC-50)x0.2)More than 300 (c) 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 4.4.1

## Criteria of Priority Ranking (3/4) --Merit Point of Economic/Financial Viability (EV) --

EV(40) = 40ZIR(16) + 10ZEO(4) + 10ZPB(4) + 30ZRB(12) + 10ZFR(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 MERIT POINTS FACTORS FOR EVALUATION (1) IR = Economic Internal Rate of Return (7) (a) Less than 10 50 (b) Between 10 and 20 50+((IR-10)x5)(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+((E0-5,000)x0.01)(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. 50 (a) Less than 100 (b) Between 100 and 300 50+((PB-100)x0.25)100 (c) More than 300 (4) RB = Increase of Annual Income / (Annual Amortization + Annual O&M Costs) Annual Amortization = (Cost for Irrigation Facilities)x0.9/25yrs Annual O&M Costs = (Cost for Irrigation Facilities)x0.025 50 Less than 10 (a) 50+((RB-10)x5)(b) Between 10 and 20 100 (c) More than 20 (5) FR = Dam Construction Cost / Construction Period (P/year) 50 More than 6 million (a) Between 2 million and 6 million 100-((FR-2)x12.5)(b) 100 Less than 2 million (c)

Table 4.4.1

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 (F10 million to F15 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	n Program)
	(a) Priority Province in terms of Project Implementation of the CARP Program	Development and 100
	(b) Other Provinces	0
(3)	) LA = Existing Agricultural Land in the Proposed Reserv	voir 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 5.3.1Summary of Technical Assessment (1/4)

gency	No.	Pr	esent Status	Group of Tech.Assess	Next Step and Major Review Works
	1		D/D	D-3	Review of project planning
IPWH IPWH [	23	*	D/D E/S	D-1	Ready to construction
15 <b>4</b> 10 -	3		F/S	F-2	Modification of foundation treatment and review of project planning
PWH	6		D/D	D-3	Review of project planning
PWH	7	* `	D/D	D-4	Modification of foundation treatment and raising dam height
			n In		and review of project planning
PHH PWH	8 9		D/D D/D	D-4	Modification zoning and review of project planning
a nii			D/ D	D-2	Modification of foundation treatment, raising dam height, modification of spillway type and diversion work
PWH	11		F/S	F-1	Ready to detailed design
	13		D/0	0-1	Ready to construction
	14		D/D	D-1	Ready to construction
	15 16		D/D F/S	D-1 F-1	Ready to construction
	17		Pre-F/S	P-1	Ready to detailed design Ready to feasibility study
	18		Pre-F/S	P-2	Review of pre-feasibility study
	19		Pre-F/S	P-1	Ready to feasibility study
	20		Pre-F/S	P- <u>1</u>	Ready to feasibility study
PHH PHH	21 22		Pre-F/S Pre-F/S	ዎ-1 P-2	Ready to feasibility study Review of pre-feasibility study
	25		Pre-F/S	P-1	Ready to feasibility study
	26		Pre-F/S	P-1	Ready to feasibility study
	27		Pre-F/S	P-1	Ready to feasibility study
	28		Pre-F/S	P-2	Review of pre-feasibility study
PWH IA	33 4	*	F/S 0/0	F-3 D-4	Repeat from feasibility study Modification of foundation treatment and review of
•••	1	1.1	010	U-4	project planning
IA	6		D/D	D-2	Modification of design of diversion work
IA	7 9		D/D	D-1	Ready to construction
IA	9	×	D/D	D-4	Modification of foundation treatment and further study
IA	11	*	D/0	D-4	of diversion work, and review of project planning Review of design of diversion work, and review of
40	••		070	0-4	project planning
	12	14		D-1	Ready to construction
	14		D/D	D-1	Ready to construction
	15 20	^	D/D Pre-F/S	D-2 P-1	Modification of foundation treatment Ready to feasibility study
	~ -		Pre-F/S	P-1	Ready to feasibility study
	22		Pre-F/S	P-2	Review of pre-feasibility study
	23		Pre-F/S	P-2	Review of pre-feasibility study
	25		Pre-F/S	P-1	Ready to feasibility study
IA IA	26 27	1.	Pre-F/S Pre-F/S	P-2 P-1	Review of pre-feasibility study Ready to feasibility study
IA	29		Pre-F/S	P1	Ready to feasibility study
IA	31		Pre-F/S	P-2	Review of pre-feasibility study
IA	32		Pre-F/S	P-2	Review of pre-feasibility study
	47		Pre-F/S	P-1 P-1	Ready to feasibility study Ready to feasibility study
	48 49		Pre-F/S Pre-F/S	P-1 P-1	Ready to feasibility study
IA	53		Pre-F/S	P-1	Ready to feasibility study
IA	55		Pre-F/S	P-2	Review of pre-feasibility study
IA	56		Pre-F/S	P-2	Review of pre-feasibility study
	57		Pre-F/S	P-1	Ready to feasibility study Ready to feasibility study
IA IA	58 59		Pre-F/S Pre-F/S	P-1 P-1	Ready to feasibility study
IA	72		Pre-F/S	P-2	Review of pre-feasibility study
IA	97		Pre-F/S	P-1	Ready to feasibility study
IA	98		Pre-F/S	P-1	Ready to feasibility study
	99		Pre-F/S	P-1 P-1	Ready to feasibility study Ready to feasibility study
	100 101		Pre-F/S Pre-F/S	₽-1 ₽-1	Ready to feasibility study
	102		Pre-F/S	P-1	Ready to feasibility study
	103		Pre-F/S	P-1	Ready to feasibility study
IA	104		Pre-F/S	P-1	Ready to feasibility study
IA 💠	106		Pre-F/S	P-1	Ready to feasibility study

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Table 5.3.1

Summary of Technical Assessment (2/4)

		* ** *				•
Δαρηον	No	4	Present Status	Group of Tech.Assess	. Next Step and Major Review Works	۰.,
		۽ • س -				
NIA	108		Pre-F/S	P-1	Ready to feasibility study	ан 1, к
	111		Pre-F/S Pre-F/S	Р-1 Р-1	Ready to feasibility study Ready to feasibility study	-
NIA NIA	112 119		Pre-F/S	P-1	Ready to feasibility study	
NIA	120		Pre-F/S	P-1	Ready to feasibility study	
NIA 📄	121		Pre-F/S	P-1 .	Ready to feasibility study	1
NIA	122		Pre-F/S	P-2	Review of pre-feasibility study	
NIA NIA	128		Pre-F/S Pre-F/S	P-1 P-1	Ready to feasibility study Ready to feasibility study	
	131		Pre-F/S	P-1	Ready to feasibility study	
NIA	132		Pre-F/S	P-1	Ready to feasibility study	1
HIA	133		Pre-F/S	P-1	Ready to feasibility study	
NIA	136		Pre-F/S Pre-F/S	P-1 P-1	Ready to feasibility study Ready to feasibility study	
NIA NIA	138 139		Pre-F/S	P-1	Ready to feasibility study	
NIA	141		Pre-F/S	P-1	Ready to feasibility study	
NIA	147		Pre-F/S	P-1	Ready to feasibility study	4.
NIA	148		Pre-F/S	P-1	Ready to feasibility study	1
NIA	149 150		Pre-F/S Pre-F/S	P-1 P-1	Ready to feasibility study Ready to feasibility study	• •
NIA NIA	150		Pre-F/S	P-1	Ready to feasibility study	
NIA	154		Pre-F/S	P-1	Ready to feasibility study	
NIA	157		Pre-F/S	P-1	Ready to feasibility study	
NIA	158		Pre-F/S	P-2	Review of pre-feasibility study Review of pre-feasibility study	
NIA NIA	163 186		Pre-F/S Pre-F/S	P-2 P-1	Ready to feasibility study	
NIA	187		Pre-F/S	P-1	Ready to feasibility study	1
NIA	188		Pre-F/S	P-1	Ready to feasibility study	
NIA	190		Pre-F/S	P-1	Ready to feasibility study	
BSWM	1		D/D	D-3	Review of project planning	
BSWM BSWM	2 3	* *	D/D D/D	D-4 D-4	Raising dam height and review of project planning Raising dam height and review of project planning	
BSKM	4		0/0	D-1	Ready to construction	
BSWM	5	*	D/D	D-2	Raising dam height	
BSWM	6	*	D/D	D-4	Raising dam height and review of project palnning	
BSHM	7	*	D/D	D-2	Raising dam height	
BSWM BSWM	8 9		D/D D/D	D-1 D-1	Ready to construction Ready to construction	· ·
8SKM	10		D/D	D-1	Ready to construction	. •
BSHM	11	×	0/0	D-2	Raising dam height	
BSHM	12		D/D	0-1	Ready to construction	
BSWM	13		D/D	D-3 D-1	Review of project planning	j.
BSWM BSWM	14 15	*	D/D D/D	0-2	Ready to construction No drawing	
BSWM	16		D/D	D-1	Ready to construction	·
BSWM	17		D/D	D-1	Ready to construction	· .
BSWM	18		0/0	0-1	Ready to construction Ready to construction	·
BSWM BSWM	19 20		D/D D/D	D-1 D-1	Ready to construction Ready to construction	•
BSWM	21		0/0	D-3	Review of project planning	÷
BSWM	23	*	D/D	D-4	Raising dam height and review of project planning	÷
BSHM	24	*	D/D	D-4		
BSWM	25		D/Đ	0-1 0-3	Ready to construction	÷
BSWM BSWM	26 27		0/0 D/D	0-3 0-3	Review of project planning	
BSWM	28		D/D	D-3	Review of project planning	
BSWM	29		D/D	D-1	Ready to construction	
BSWM	30	*	D/D	D-2	Raising dam height and review of project planning Ready to construction Review of project planning Review of project planning Ready to construction Raising dam height Ready to construction Ready to construction Ready to construction No drawing, raising damheight Raising dam height Raising dam height Ready to construction	1
BSWM	31		D/D	D~1	Ready to construction	
BSWM BSWM	32 33	*	D/D 0/0	D-1 0-2	Ready to construction No drawing raising dambaight	
BSWM	34	*	D/D	D-2	Raising dam height	
BSWM	35	*	D/D	Ď-2	Raising dam height	÷,
BSWM	36		D/D		the second se	۰.
BSWM	37	*	0/D	D-2	Raising dam height Ready to construction	÷.,
BSWM BSWM	38 39	*	D/D D/D	D-1 D-2	Ready to construction Raising dam height	
oonfi	22		010	U**4	na ra my admine igne	1

Table 5.3.1

Summary of Technical Assessment (3/4)

gency	No .	Pre	sent Status	Group of Tech.Assess	Next Step and Major Review Works
	40	*	D/D	D-2	Raising dam height
	41	21	D/D	D-1	Ready to construction
SWM	42	<b>.</b>	0/0	0-1	Ready to construction
SWM	43	*	D/D		Raising dam height
	44	* *	D/D	D-4	Raising dam height and review of project planning
ISWM :	45 46	<u> </u>	D/0	D-2	Raising dam height
SWM	47		D/D D/D	D-1	Ready to construction
SWM	48		D/D	D-1 D-1	Ready to construction
SWM	49		0/0		Ready to construction
SWM	50		D/D	0~1	Ready to construction Ready to construction
SWM	51	*	D/D	D-2	Raising dam height
SWM	52		D/D	D-1	Ready to construction
SWM	56		D/D	D-1	Ready to construction
SWM	57		D/D	D-1	Ready to construction
SWM	58		D/D	D-1	Ready to construction
SWM	59		D/0	0-1	Ready to construction
SWM	~ ~	Ħ	D/D	D-2	Raising dam height
SWM	61		D/D	D-1	Ready to construction
SWM	62	*	D/D	D-2	Raising dam height
SWM	63		D/D	D-1	Ready to construction
SWM	64		D/D	D-1	Ready to construction
SHM	65		D/D	D-3	Review of project planning
SWM	66		0/0 2/0	D-1	Ready to construction
SWM	67		D/D	D-1	Ready to construction
SWM	68	÷.	.D/D	D-1	Ready to construction
SWM	69	*	0/D	D-2	Raising dam height
SWM	70	*	D/D	D-1	Ready to construction
SWM	/1	^	D/D	D-2	Raising dam height
ISWM ISWM	72 73		D/D D/D	D-1 D-1	Ready to construction
ISWM	73 · 74			D-1	Ready to construction
ISWM	75		D/D D/D	D-1	Ready to construction Ready to construction
	76		D/D	D-3	Ready to construction Review of project planning
ISWM	77		D/D	D-1	Ready to construction
SWM	78		.0/D	D-1	Ready to construction
SWM	79	e . e	D/D	D-1	Ready to construction
SWM	80	*	0/0	0-2	Raising dam height
SWM	82	*	D/D	D-4	Raising dam height and review of project planning
		×	0/D		Raising dam height
SWM	84		D/D	D-1	Ready to construction
SWH	85	*	D/D	D-2	Raising dam height
SHM	86		D/D	D-1	Ready to construction
SWM	87	*	D/D	D-2	Raising dam height
SWM	88	*	D/D	D-2	Raising dam height
SWM	89	*	D/0	D-2	Raising dam height
SWH	90		D/D	0-1	Ready to construction
SWM	91		D/D	D-1	Ready to construction
SWM	92	*	D/D	D-2	Layout of spillway
SWM	93	÷ 1	D/D	D-1	Ready to construction
SWM	94		D/D	D-1	Ready to construction
SWM	95		D/D	D-1	Ready to construction
SWM	96		0/0	D-1	Ready to construction Ready to construction
SWM	97 60		D/D	D-1 D-1	Ready to construction
SWM	98		D/D	D-1	Ready to construction
SWH SWH	99 100		D/D D/D	D-1 D-1	Ready to construction
swm SWM	100		D/D	D-1	Ready to construction
	102		D/D	D-1	Ready to construction
SWM	102		D/D	D-1	Ready to construction
	103	÷.,	0/0 D/0	D-3	Review of project planning
Shu Shu	109		D/D	D-1	Ready to construction
	110	1.1	0/0	D-1	Ready to construction
	111	×	D/D	D-2	Raising dam height
	112		D/D	D-1	Ready to construction
	***				
	113		0/0	D-1	Ready to construction

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Table 5.3.1

Agency	No.	Present Status	Group of Tech.Assess.	Next Step a	nd Major Rev	view Works	
BSWM	115	0/0	D-3	Review of project plan	ning		
BSWM	117	0/0	0-1	Ready to construction	e The State		1
	118	D/D	D-1	Ready to construction		+ 1	
BSWM	119	0/0	D-1	Ready to construction	1		
BSWM	120	D/D	D-1	Ready to construction	· · ·	1. A. A.	
BSWM	121	D/D	D-1	Ready to construction		N. 19	an an an Artain
BSHM	122	0/0	0-1	Ready to construction		1	「「「」 オンプート
BSWM	123	D/D	D-1	Ready to construction			and the second
BSWM	124	D/D	0-1	Ready to construction	1		
8SWM	125	D/D	D-1	Ready to construction			and the second second
BSWM	126	D/D	0-1	Ready to construction			
BSWM	127	0/0	D-1	Ready to construction			the state of the s
BSWM	128	D/D	D-1	Ready to construction		N	and the second
BSWM	129	D/D	D-1	Ready to construction			and the second second
BSWM	130		D-2	Raising dam height	·		and the second second
BSWM	131	D/D	D-1	Ready to construction	1.1		and the second second
BSHM	132	0/0	D-1	Ready to construction			a tan tan
BSWM	133	D/D	D-1	Ready to construction	1. je - 1. je		and the second second
BSWM	134		D-4	Raising dam height			and the state of the
BSWM	135	D/D	D-1	Ready to construction	· ·		
BSWM	136	D/D		Ready to construction			and the first second
BSWM	137	0/0		Ready to construction	.'		A State of the second
BSWM	138	0/0	D-1	Ready to construction	·		
BSWM	139	D/D		Ready to construction	1.1		14 - C
BSWM	140		Ď-2	Raising dam height		.*	the state of the second s
BSWM	141	D/D	0-1	Ready to construction		:	
BSKH	142	D/0	Ď-1	Ready to construction			· · · · · · · · · · · · · · · · · · ·
BSHM	143	D/D		Ready to construction			· · · ·
BSWM	144	D/0	D-1	Ready to construction		1	
BSWM	145	D/D	D-1	Ready to construction		:	
BSWM	145	D/D	D-1	Ready to construction	· .		
BSWM	140	D/D	D-1	Ready to construction			and the second
BSWM	147		D-2	Raising dam height	e da e		
BSKN	149	0/0	D-2 D-1	Ready to construction	· · ·		
BSWM	150	D/D	D-1	Ready to construction			
บอกก	tar	010	0-1	Ready to construction			

Note: \* ; Projects of which modification of dam design is required.

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F/S D/D : P/H	Zad : 15T
F/S D/D : P/H	F/SaM/5 : 0/0
F/SW/S : D/O : P/H	F/SaM/5 : 0/0
REV : REV : REV : REV : F/H	REV : REV
REV : P/H	REV : REV
(/SSW/S D/D : P/H	0/0 : P/M
F/SSW/S D/D : P/H	0/0 : P/M
FLS	FLS
REV	REV
SAVIS	SAVIS
FLSAVIS	FLSAVIS
FLSAVIS	FLSAVIS
FLSAVIS	FLSAVIS
	1 : PANIGASINAR 1 : PANIGASINAR 2 : ISABELA 2 : ISABELA 2 : ISABELA 2 : ISABELA 2 : ISABELA 2 : ISABELA 3 : PANIGASINAR 4 : TIZAL 4 : TIZAL 4 : TIZAL 2 : MARTH COTABATH 1 : IAAVAD DEL SUR 2 : MARTH COTABATH 2 : MARTH COTABATH 4 : TIZAL 4 : OEL HIMDORD 1 : PANEASINAR 4 : OEL HIMDORD 1 : IAL UNIOH 2 : EDHOL 7 : EDHOL 7 : EDHOL 7 : EDHOL 7 : EDHOL

		THE LEMENIATION SCHEDOLE				0	5 1						D/D: Detailed Design P/K: Preparatory Work CDM: Construction	d Design tory Hork ction		10 10 10 10 10 10 10 10 10 10 10 10 10 1	REV: Review of Previous Study - : The under the DECF SWIH Proy under the DECF SWIH Proy	<ul> <li>* The isolementation Study</li> <li>* The isolementation schedules will be determined under the OECS SWiH Project.</li> </ul>	11 pe	jeteralned	:
		ncy Ho :Regi		: : : 1991	1	7661		Ist Five Ye 1993		994			S.		1997	., .	Flue Year 998	: 566		2000	
11         11<		1.					]			947		- <b>94</b> 2					1 987		•		• •
	ALM 21 .		I THANGASIMAN		F/S3W/5 :		••					<b>!</b> *				••	••				
11         11<	- 14 MIA -		7 -80400	C/MOX/4 :	••••		••		••			••									
16.1       15.1       15.000       17.000	: 15 NIA		1 - BOWD		•••						44								• •		
11       101       37       31000       1011       101       101	: 16 KIA		7 :BOHOL		• •		•••		- 5 /2021		×/1 ·						• •				
Bit h       Bit h <th< td=""><td>57 NIA</td><td></td><td>B SMUEVA ECT.JA</td><td></td><td></td><td></td><td></td><td></td><td>S/MANA -</td><td></td><td></td><td>5 ê</td><td></td><td></td><td></td><td></td><td>• •</td><td></td><td></td><td></td><td></td></th<>	57 NIA		B SMUEVA ECT.JA						S/MANA -			5 ê					• •				
30 (h)     37 (second 20 (h)     1 (second 20 (h) <t< td=""><td>: 18 HIA</td><td></td><td>5 ENASBATE</td><td>•</td><td>• •</td><td>13</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>••</td><td></td><td>.,</td></t<>	: 18 HIA		5 ENASBATE	•	• •	13													••		.,
30. Mi 13:       7. Facass extend.       7.6       00       7.0       00	: 19 NIA		L'PANGASTNAN			1		) a		NO:							••				
21.14       95       5 executi       175/2005       00       77       17000       00       175       000       77       17000       000       175       000       77       17000       0000       175       000       77       17000       000       175       000       77       000       77       000       77       000       77       000       77       000       77       000       77       000       77       000       77       000       77       77       000       77       77       000       77	: 20 NIA	152 :	7 ENECROS ORIENTAL			•			•	₹	COH	•••					••		••		
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6 : 1 :1100CS WORT:       FUN       :       : P/WAUS:       CDN:         7 21 : 1 :1100CS WORT:       REV       :       : P/WAUS:       CDN:         7 11 : 1 :1100CS WORT:       REV       :       : P/WAUS:       CDN:         7 11 : 1 :1100CS WORT:       REV       :       : P/WAUS:       CDN:         7 11 : 1 :1100CS WORT:       REV       :       : P/WAUS:       CDN:         7 11 : 1 :1100CS WORT:       REV       :       : P/WAUS:       CDN:         7 2 : 1 : 1100CS SIM:       : REV       :       : P/WAUS:       : P/WAUS:         7 2 : 1 : 1100CS SIM:       : REV       :       : P/WAUS:       : P/WAUS:         7 2 : 1 : 1100CS SIM:       : REV       :       : P/WAUS:       : P/WAUS:         7 2 : 1 : 1100CS SIM:       : REV       :       : P/WAUS:       : P/WAUS:         7 2 : 1 : 1100CS SIM:       : REV       :       : P/WAUS:       : P/WAUS:       : P/WAUS:         7 2 : 1 : 1100CS SIM:       : REV       : REV       : REV       : P/WAUS:       : P/WAUS:       : P/WAUS:         7 2 : 1 : 1100CS SIM:       : REV       : REV       : REV       : P/WAUS:       : P/WAUS:       : P/WAUS:         1 3 : 1100CSS MORT:       : REV       :	6       1	т	3 EBULACAN			••		••		••		•1		••		••		••		(d		 ₩8		
BSNM         6:         1 : (1000S MONTE         REV         :         :         !<	BSMM       6:       1:0:0005       MGNT       REV       1       1:0:0005       MGNT       1       1       1:0:0005       MGNT       1       1:0:0005       MGNT       1       1:0:0005       MGNT       1       1       1:0:0005 <t< td=""><td>IRK<ion< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></ion<></td></t<>	IRK <ion< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></ion<>																						
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BSMR         Z8         CMR         A         REV         E         P/MAN/S           ESMR         Z         I         ILL000S         SIR         ILL000S         ILL000S	BSM       28:       CW: 3484       EV       E       P       <	: I WASS	L LILOCOS RORTE		ណ្ឌ	••		••		••						••		••		••		••	P/H&H/S	Š
BSW         2         3         3         NUEW         1 <td>ESM       2:       1:110005 StR       :       REV       :       P/MAN/5 : C0H         SSM       76:       3:MEW ETIAL       :       REV       :       :       ?       ?         SSM       76:       3:MEW ETIAL       :       :       REV       :       ?       ?       ?       ?         SSM       75:       :       :       :       ?       :       ?</td> <td>BSM 28 :</td> <td>R : ABRA</td> <td></td> <td>REV</td> <td>.,</td> <td></td> <td>••</td> <td></td> <td>••</td> <td></td> <td>·</td> <td></td> <td></td> <td></td> <td>••</td> <td></td> <td></td> <td></td> <td>••</td> <td></td> <td>••</td> <td>S/HRM/d</td> <td>Š</td>	ESM       2:       1:110005 StR       :       REV       :       P/MAN/5 : C0H         SSM       76:       3:MEW ETIAL       :       REV       :       :       ?       ?         SSM       76:       3:MEW ETIAL       :       :       REV       :       ?       ?       ?       ?         SSM       75:       :       :       :       ?       :       ?	BSM 28 :	R : ABRA		REV	.,		••		••		·				••				••		••	S/HRM/d	Š
SSM         76         3         AURUV ECLIAL         Image: Primary State of the state o	SSM       76       3       -WEW ECLA       :       REV       :       P/NHM/5       :       P/NHM/5       :       CH         SSM       Z6       CAR       ARM       :       :       P       :       :       ?       ?       ?       ?       ?       :       ?	132 BSWY 2:	E -1LOCOS SUR			: 85	A	••		47		.,		••						••	14	NAW/5 :	ð	ð
BSM         Z6         CAR         Image: Car and the construction of the co	BSWR Z6 :       CAR - ABRA       :       REV       :       :       ?		S INDEVA ECILA			: 7E	~	••		•••		`.				••		••		••	đ	: S/MEN,	ð	Š
65/M 23       2       1.110005 MORTE       1       REV       1 <td>ESM       23:       1:11000S HORTE       :       REV       :</td> <td></td> <td>R =ABRA</td> <td></td> <td></td> <td></td> <td>~</td> <td>: ^3</td> <td></td> <td>••</td> <td></td> <td>••</td> <td></td> <td>••</td> <td></td> <td></td> <td></td> <td>••</td> <td></td> <td>.,</td> <td></td> <td>••</td> <td>- 2/838/d</td> <td>ð</td>	ESM       23:       1:11000S HORTE       :       REV       :		R =ABRA				~	: ^3		••		••		••				••		.,		••	- 2/838/d	ð
BSMT       24:       1       Illocos moste       :       :       Rev/s       :       :       P/H4W/S       :       :       P/H4W/S       :       :       P/H4W/S       :       :       :       :       P/H4W/S       : <t< td=""><td>SSMT       24:       1       11.10.005       N/HAUKS:       CON         BSMT       24:       1       24:       24:       24:       24:       24:       25:       25:         BSMT       26:       8       N/MORTHERN SAWAR       1       1       25:       27:       20:         BSMT       13:       1       100005       MORTHERN SAWAR       1       1       2       27:         BSMT       13:       1       100005       MORTHERN SAWAR       1       2       2       20:         BSMN       13:       1       100005       MORTHERN SAWAR       2</td><td></td><td>I -ILOCOS NORTE</td><td></td><td></td><td></td><td>œ</td><td>ΞV :</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>••</td><td></td><td>••</td><td></td><td>••</td><td>S/MEN/d</td><td>ð</td></t<>	SSMT       24:       1       11.10.005       N/HAUKS:       CON         BSMT       24:       1       24:       24:       24:       24:       24:       25:       25:         BSMT       26:       8       N/MORTHERN SAWAR       1       1       25:       27:       20:         BSMT       13:       1       100005       MORTHERN SAWAR       1       1       2       27:         BSMT       13:       1       100005       MORTHERN SAWAR       1       2       2       20:         BSMN       13:       1       100005       MORTHERN SAWAR       2		I -ILOCOS NORTE				œ	ΞV :										••		••		••	S/MEN/d	ð
BSMM 106: 8 MORTHERN SAMAR: : : REV : : REV : : P/MEV/S; COH BSMM 13: 1 LILOCOAS NORTE : : : REV : : : : : : : : : : : : : : : : : : :	BSM 106: 8 :NORTHERN SAWR: : : : : : : : : : : : : : : : : : :		1 -ILOCOS NORTE :			: ••			REV	••				•		••		••		••	/d		Š	8
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BSMM 22 5 CM : 22 5 CM : 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	BSAM 27 : CAR : : : : : : : : : : : : : : : : : : :	BSHM 13	I SILOCOAS NORTE						N3R	•••		••				••		••		••			P/WBW/S	ð
SSMIIS: 8 :MESTEAN SAMAR : : : REV : : REV : : : : : : : : : : : : : : : : : : :	SSIMI 115 : 8 :MESTEAN, SNAUR, : : : : : : : : : : : : : : : : : : :	BSAM 27 : CA	R : ABRA			••				. REV	•					••		••		•••	4	148K/S :		ð
		SSM 115 :	B :NESTEAN SAMAR			••.				REV :						••		••	• •	• ••		••	SIMENIA	ð
		•					•											;						

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### Table 9.2.1

# Financial Cost Estimates of SWIM Projects

(Unit: Pesos 1,000)

: :	Cost Items :	: DPWH Projects :	: NIA Projects :	BSWM Projects	: Total
•			:		:
1.	Direct Cost :	:	:		:
;	and the second second second second second second second second second second second second second second second		: 		:
:	1. Dam :	384,761 ( 81,912 ):	894,213 (129,205):		1:1,663,971 (290,868 )
	2. Irrigation :	71,811 ( 23,460 ):	271,799 ( 36,592 ):		: 527,737 (105,408)
	3. Mini-Hydropower :	52,923 ( 4,288 ):	20,044 ( 20,044 ):	0 ( .0 )	
:	4. Water Supply :	5,324 ( 0):	.0 ( 0 ):	0 ( 0 )	
:	5. Contractor's Tax :	25,741 ( 5,483 ):	59,303 ( 9,292 );	28,456 ( 6,255 )	): 113,500 ( 21,030 )
:		• • • • • • • • • • • • • • • • • • • •			:
:	Sub-total :	540,560 (115,143 ):	1,245,359 (195,133 ):	597,580 (131,362)	:2,383,499 (441,638 )
) 		;	:		:
:П.	Indirect Cost :	•	:		<b>1</b> ·
:		1	:		
:	1. Land Acquisition :	3,772 ( 833 ):	45,529 ( 3,780 ):	10,179 ( 2,585	and the second second second second second second second second second second second second second second second
:	2. General Administration :	16,217 ( 3,454 ):		17,927 ( 3,941	
:	3. Engineering Services :	73,785 ( 11,514 ):		59,758 ( 13,136 )	
:	(1) F/S :	4,414 ( 0):	27,106 ( 0):	0( 0	
	(2) D/D :	15,315 ( 0):	54,211 ( 0):	0 ( 0.	
:	(3) C/S :		124,536 ( 19,513 ):	59,758 ( 13,136	
:	4. Physical Contingency :	87,450 ( 13,094 ):	267,696 ( 22,428 ):	68,544 ( 15,102	): 423,691 ( 50,625 )
:	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 <b>-</b> 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	a - 1 - 1			:
:	Sub-total :	181,224 ( 28,896 ):	556,438 ( 51,575 ):	156,409 ( 34,765	): 894,071 (115,236
:	e e de la companya de la companya de la companya de la companya de la companya de la companya de la companya d	:	:		:
:	Total (1 & 11):	721,784 (144,039):	1,801,797 (246,708 ):	753,989 (166,127	):3,277,570 (556,874
:	•	:	:		<b>:</b>
:111	. Watershed Management :	-			:
:	en en stationen en stationen 🚦	:			• • • • • • • • • • • • • • • • • • •
:	1. Study (F/S.D/D) :	5,615 ( 220 ):	20,062 ( 1,303 ):		
:	2. General Administration :	18,064 ( 710 ):	65,377 ( 4,278 ):		
	3. Engineering Measuring Cost :	29,381 ( 1,240 ):	100,509 ( 5,090 ):	39,033 ( 7,993	): 168,923 ( 14,323
:	4. Vegetative Measuring Cost :	68,458 ( 2,660 ):	248,495 ( 16,300 ):	124,629 ( 25,511	): 441,582 ( 44,471 -
:	:				;
	Total (III) :	121,518 ( 4,830 ):	434,443 ( 26,971 ):	205,565 ( 42,095	): 761,526 ( 73,896
			:		:
: 1V	Cost for Review Work :	2,948 ( 377 ):	4,124 ( 1,683 ):	2,249 ( 377	): 9,320 ( 2,437
• • • •. •	CORE FOR INCREMENTING A		;		:
· v	Grand Total(1 to IV) :	846,250 (149,246):	2,240,364 (275,363):	961,803 (208,598	):4,048,417 (633,207
• • •			-		<b>:</b> .
•	•				

Note: 1; Figures in the parentheses show the costs for the OECF Projects.

2; The total may not equal the sum of individual figures due to rounding.

#### Table 9.2.2

# Financial Cost Estimates of Each of SWIM Projects (1/5)

(Unit: 1,000 Pesos)

			;	Cost for	•:	Cost	:Cost for	•	;		Cons	tr	uction Co	st		-	1 . I	lotal	:	Financia
ło.	Аделсу	No		Review		for			Dam & App.	::]	Irriga-	:	Mini-hyd:	Wate	r	:1	latershed:	Pro ject	:	0&M
-									Structure								ro.Works:		<b>.</b>	Cost
1	DPWH	1	:	323		0	• 0	) ;	: 33,125		2,219	:	4,937 :	·	0	:	0:	40,605	. :	264
2	DPWH			0		0		)			9,541				· ·	:	0:	47,693		413
3	DPWH		:	175							0			.7,2			3,010 :			190
4	DPWH			560		0							21,548 :			:		88,615		597
5	DPWK			965		0							13,221 :			;	10,300 ;	71,932		517
6	DPWH			140		ů.					542		0:			:		8,991		
7	DPWH			377		D					9,984					:	0:	47,330	-	332
8	DPWH			0		2,766							12,305 :			•		74,765	•	439
9	DPWH			0		0					4,659				0	:	0:	23,474	:	160
10	DPWH			Õ		0					1,331					:	2,858 :			105
11	DPWH			Ő		0					11,094		0:		0	:	4,610 :	54,223		
12	OPWH			0		3,488							9,344 :		0.	:	9,537 :			531
13	DPWH			Ō		1,042					4,570		0:			:	0:	14,232		110
14	орян					2,370					3,631				0		0;	32,377		155
15	DPWH			0		592					2,670					:	2,264 :	10,584		64
16	DPHH			Ő		882					2,856				0		1,534 :			
17	DPWH			Ő		872					3,429		0:			:	0:			87
18	DPWH			165		3,562					4,841		0:		0		14,162 :			
10	OPWH			105		1,136					2,420		:0:			;	6,711 :	22,520		84
				0							3,147		0:		0 0		6,770 :			. 8
20	DPWK					804 962					1,815		0.5			:	11,057 :	23,372		6
21	OPWH OPWH	-		0		862					4,841					:	6,950 :	46,569		19
22	0PWH OPWH			133		2,877					2,775					:	0,000:			. 80
23	DPWH	33	•	0	•	892	; 0	) ;	: 8,231	•	6,115	•	· ·	÷ .,	v	•	ν,	11,057		
	Total (I	OPWH)	:	2,948	:	23,350	: 5,615		524,167	:	96,988	:	70,014 :	7,2	64	;	115,903 :	846,250	:	5,17
•	514			E A C	-	0	: 630		46.108	 a	16 736		6,968 :		<u> </u>	:	11,760 :	81,838	•	608
1	NIA			546		0							6,357 :			:		35,528		328
2	NIA			270					-				3,542 :			:	13,908 :			30
3	NIA			0		0							0:				-	124,535		1,34
4	NIA			1,764		0										:	12,555 :			
5		11		368		0										:	8,096 :			31/
6		12		0		0					9,984		0:					35,488		190
7		14		0		0					5,103				-	:	•			ALC: NOT STREET
8		15		499		0		) :					9,293 :				0:			
9		20				3,535					10,408						13,290 :			
10		21				1,886			•.								10,010 :			
11		22				2,394			-								10,914 :			
12		23				1,025			-							:	8,180 :			
13		25				2,387										:		1 A A A A A A A A A A A A A A A A A A A		
14		26				2,409										:				
15		27				1,463					2,420					;				
16		29				2,186										•				
17		31		15												;				
18		32				1,146										;		17,064		
<u>í9</u>		47		0		24											0;			
20		48		0		34		÷								:	••• 0 <b>;</b>			
21		49				1,750											11,310 :			
22		53		. 0	:	451										:			-	
23	HIA	55	;	31	;	669	: 0	)	; 7,115	;	1,331	;	0 :		0	;	0 :	9,146		
24	NTA	56	•	16	:	336	: 0	)	: 3,764	:	484	:	0:		0	:	0:	4.600	1	2

 Table 9.2.2
 Financial Cost Estimates of Each of SWIM Projects (2/5)

(Unit: 1,000 Pesos)

		e de							ost for		4		Const	tri	iction Co	st .			Tota]	:F	inancia
No.	Agen	сy	No	÷	Review	÷	for	:5	tudy of	:Da	um & App.	::1	rriga-		iini-hyd:		:	latershed:			03M
· •		• •	. 1	ţ, l	lorks	:F	/S&D/D	: W	atershed	:St	ructure	: t	ion			1.1		Pro.Works:	-		
25	2		57				1,162		200		11,129		4,841	:	0 :	0	;	4,170 :	21,502	:	119
26			58		0				100		3,976		2,420	.:	0:	0	:	2,050 :	9,048	:	56
27			59		0	÷.	651		0 :		5,886		2,905	:	0:	0	:	0 :	9,442	:	. 70
28			72		81		1,741		. 0. :		19,567	:	2,420	1	0 :	0		0 :	23,810	:,.	111
29	N	IA	97	ŧ, 1	0	•	1,036	· · ·	0	:	10,474	:	2,905	;	0 :	0	;;	0 :	14,414	:	. 86
30	Ň	IA	98		0	:	981	:	0;	:	9,593	:	3,631		0 :	0	:	0:	14,204	:	94
31	Ň	IA	99	•	0	•	2,656		580	:	26,660	•	9,682	÷	0:	0		13,190 :	52,768	:	253
32	N	IA	100	:	0	:	2,737	.:	1,030	:	33,680	÷	4,841	-	0 :		:	21,300 :	63,588	:	189
33	N	IA	101	:	0	:	1,890	:	200		19,390	:	6,051		0 :		:		31,571		168
34		IA	102	:	0	·	524		75 :		5,282		1,936		0 :		;	1,535 :	9,353		50
35		- i .	103			1 a -	2,637		940		28,860		4,841		0:		;	19,490 ;	56,768		184
36		1.1	104				1,112	S	240		11,438		2,905		0:		:	4,905 :	20,600		90
37			106		Ő		942		130 :		10,053		2,420								-
38	1.1		107	1.1	Ő		590	-1							0.:		:	2,680 :	16,225		76
									150		5,766		1,936		0;		;	3,070 :	11,512		5.
39		e 1917	108		0		2,293		0 :		26,309		6,051		0:		;	: 0	34,653		186
40			111		0		2,734		290 :		23,518		11,134		0:			6,089 :	43,764		277
41			112	6 . C	Q		2,424		0 :		21,678		9,682		0:			0 :	33,784		243
42		÷ 1	119		. 0	- N.	11 I I I I I I I I I I I I I I I I I I		460 :		25,536		7,261		0 :	0	:	9,465 :	45,086	:	206
13			120		0		967		150		9,947		2,420		0 :	0	:	3,070 :	16,555	:	77
44	N	IA, I	121	:			1,366		190 :	:	14,021	:	3,389	:	0 :	0	:	4,016 :	22,982	:	108
15	, N	IA:	122	:	57	٤.	1,238	.:	70 :		14,865	:	726	;	0 :	0	:	1,405 :	18,362	:	65
16	N	A	128	:	0	:	186	:	40 :		1 892	:	726	:	0 :	0	:	820 :	3,664	:	18
47	· N	A]	130	•	0	:	1,172	:	380	:	11,814	:	3,147	:	0 :	0	:	7,795 :	24,308	:	96
18	· N	A	131	:	0	:	920	:	520 :		8,592	:	3,631		0:	0	:	10,715 :	24,377	:	92
49	N	A	132	:	0	:	530	:	170 :		4,523	:	2,663	:	0 :	0	:	3,480 :	11,365	:	61
50	1		133		2.1		1,538		220 :		14,961		4,841		0 :		:	4,610 :	26,171		136
51			136		0		1,513		280 ;		15,382		4,841		0:			5,750 :	27,766		135
52			138		Ö		1,603		180 :		13,228		7,261		0:		:	•	25,993		173
53			139		0		773		400 :		6,997		3,147		0:		:	8,180 :	19,497		78
									315 :		5,803		2,663		0:		:	6,518 ;			66
54			141	1.1	0		641														
55			147		0		4,514		1,050 :		49,185		9,198		0:		:	21,699 :	85,646		328
56			148		0		3,082		909 :		33,393		5,567		0:		:	18,785 :	61,736		
57			149		0		4,537		1,450		47,246		10,408		0:		;	30,044 :	93,685		346
58	N	A	150	•			2,615		695 :		29,454	:	5,809		0 :			14,365 :	52,938		197
59	N	A	152	:	0	:	1,261	:	0 :		12,146	:	4,357	:	0 :	0	:	0 :	17,764	:	117
60	N	IA	154	:	0	:	1,126		278 :	:	11,470	:	3,147	;	0 ;	0	:	5,745 :	21,766	:	94
51	N	IA .	157	:	. 0	:	3,303	.:	575 :	:	36,030	:	6,051	:	0 :	0	:	11,877 :	57,836	:	231
62			158		90	:	1,940	:	450 :	:	21,578	:	2,905		0 :	0	:	9,337 :	36,300	:	126
63			163				1,397		285 :		15,707		1,936		0:	0		5,890 :	25,280	:	89
54			186		· ·		2,278		250		21,120		8,109		0 :		;	5,207 :	36,963	:	214
65			187	1 a 👘			2,727		439		28,986		6,293		0:		:	9.079 :			209
66			188				1,463		0		16,520		2,663		0 :		:	0 :			102
67			190	-			3,890		0 :		41,856		8,351		0 :		:	0 :	54,097		289
	Total		IA)	;	4,124	:	97,580	:	20,062	:1,	302,270	:	375,786	:	26,160 :	0	:	414,381 :	2,240,364	;	11,76
1	BS	NM	1	;	35	:	0	:	70 :	:	3,738	:	666	:	0 :	0	:	1,519 :	6,028	:	2
2	BS	1.1	2		109	÷.	Õ		47		6,086		777		0::	0	:	970 :	7,989	:	. 3
3			3		43		Ŭ,		47		4,643		666		0 :		;	970 :			
	ុមទ	4.1	· • •	•	47	٠	<b>U</b>	•		•		~			-				• •		4

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Table 9.2.2

## Financial Cost Estimates of Each of SWIM Projects (3/5)

(Unit: 1,000 Pesos)

;			:Cost fo	r:	Cost	:Cost for	1			Cons		on Co			1.1	Total		anclal	1:
:No.	Agency	No	: Review	ť	for	:Study of	:Dam	& App.	11	rriga-	:Mini	-hyd:	Water	:Wa	tershed:	Project	:	08M	;
:	<b>J +</b>					:Watershee	d:Stri	ucture	:t	ion	:Powe	ir i	Supp ly	:Pr	o.Works:	Cost	: (	ost	;
: 5	BSWM	5	: 57	•••••	0	: 175	:	5,006	:	2,219	:	0:	0	:	3,617 :	11,074	:	61	;
: 6	BSWM	6	: 66	:	0	: 47	:	3,429		710	÷.	0 <b>i</b>	0	:	970 :		1. I. I. I.	27	
: 7	BSWM	7	: 42	:	0	: 95	:	4,415	:	888	:	0:	0	:	1,950 :	7,390		34	•
: 8	BSWM	8	: 0	:	0	: 80	:	5,249	:	2,219	<b>1</b>	0:	0	<b>3</b> . 4	1.660 :	9,207	:	62	1
: 9	BSWM	9	; 0	:	0	: 60	:	2,325	۲,	1,664	1	0:	0	:	1,260 :	5,309	:	40	1
: 10	BSWM	10	: 0	:	0	: 80	:	2,021	:	1,109	1	0:	0	:	1,660 :	4,871	:	29	,
: 11	BSHM	11	: 40	:	0	: 40	:	3,955	:	1,109	1	0:	0	:	837 :	5,981	:	- 36	;
: 12	<b>BSWM</b>	12		:	0	: 60	:	4,057	ŧ,	2,219	<b>1</b>	0 :	0	:	1,260 :	7,596	:	58	÷
: 13	BSWM	13		:	0	: 27	:	4,113	:	444	:	0:	0	:	553 :	5,172	:	24	:
: 14	BSWM	14		:	0	: 68		2,547	:	1,775	:	0:	0	:	1,395 :	5,785	:	44	:
: 15	BSWM	15				: 47		5,412	5	-1,109	1	0 :	0	:	970 :	7,590	4	42	ì
: 16	BSWM	16		:	0	: 47		2,065		1,220		0:	0	:	970 :	4,303	;	31	1
: 17	BSWM	17		:	. 0			3,606		1,109		0:	0	:	837 :	5,592	:	35	;
18	BSWM	18		:		: 175		2,932		2,219		0 :	0	:	3 617 :	8,943	:	53	
: 19	BSWM	19		:	0	: 54		2,348		1,553	1.1	0:	0	:	1,116 :	5,071	:	39	
: 20	BSWM	20		:	. 0	: 20		5,156	:	1,664		0:	0	:	410 :	7,250	:	51	
: 21	BSWM	21				: 27		3,397		666		0:	. 0	•	558 :	4,680		26	
: 22	BSWM	23				; 30		3,875		888		0 :	0	÷ .	690 :	5,559		32	;
: 23	BSWM	24				: 70		6,430		1,109		0:	0		1 519 :	9,249		46	
: 24	BSWM	25			0			3,401		1,109		0:	0	:	1 519 :	6,100		34	
: 25	BSWM	26				: 7		2,680		555		0:	0	17.00	145 :	3,412	1	21	
: 26	BSWM	1 A A A			0			7,095		555		0;	0	·. ·	970 :	8,728		38	
: 27	BSWM	28			0 0			3,197		1,331		0:		1	1,116 :	5,735		38	- X.
: 28	BSWM	29		:	0			2,485		2,219		0;	0	1.1.1	837 :			52	
: 29	BSWM	30				: 60		2,218		2,219		0:	0	- S. S. S. S. S. S. S. S. S. S. S. S. S.	1,260 :	5,792	1. a.	51	
: 30	BSWM	31		;	õ			3,633		1,553		0:	Ō		2 510 :	7,816		43	
: 31	BZKM	32		;	Ő			2,262		666		0:			410 :	3,358		21	
: 32	BSWM	33			Ő			5,742		2,219		0:	0		2,645 :	10,797		64	
: 33	BSWM	34			Ő			5,069		1,442		0:	Ő		7 790 :	14,730		47	
: 33	BSWM	34 35				: 209		3,005		1,775		0:	0		4,314 :			45	
: 34	BSWM	36		:	0			1,768		444		0:	0		1,950 :	4,257		15	
: 36	BSWM	37				: 40		4,560		1,331		0 :	0	· · · .	837 :	6,815		43	
: 30	BSWM	37 38		:		: 33		2,086		2,663		0:	· 0		687 :	5,469	1. C	59	
						: 33		2,734		777		0:			687 :			25	
: 38 : 39	BSWM	39 40				: 54		4,077		2,219		0:			1 116 :			58	
	BSWM BSWM	40 41		:		: 34		2,666		888		0:		•	289 :			27	
: 40								4,623		1,109					3,618 :			39	
: 41	BSWM	42		:				2,821		1,109		0:		•	1,116 :			40	
: 42	BSWM	43	-					4,345				0 : 0 :			553 ;			38	
: 43	BSWM	44 47					‡ .			1,109		0:			5,965 ;			130	
: 44	BSWM	45 46				: 289		6,325		5,547		1. A.			5,905 : 687 :			24	
: 45	BSHM	46		:		: 33		1,969		888		0:			687 ;			42	
: 46	BSWM	47				: 33		3,205		1,553		0:		:	1 A A A A A		1	- 47	
: 47	BSWM	48		:	0			3,094.		2,219		0:			1,660 :	1 A A A A A A A A A A A A A A A A A A A			
: 48	BSWM	49 50		:		: 13		805		333				:		- A		9	
: 49	BSWM	50		:	0			2,111		.444		0:			835 :			16	
: 50	BSWM	51			0			4,514		1,220		0:			1,253 :	1 A A A A A A A A A A A A A A A A A A A		40	
: 51	BSWM	52		:	0			7,489		1,109		0:			972 :			49	
; 52	BSWM	56		:		: 88		5,481		1,775		0:		· ·	1,809 :			-54	
: 53	BSWM	57		:	0			2,712		954		0:			1,253 :			28	
: 54	BSWM	58	: 0	;	0	: 27	:	3,304	:	843	:	0:	0	:	557 :	4,731	<b>1</b>	29	;

Table 9.2.2

Financial Cost Estimates of Each of SWIM Projects (4/5)

(Unit: 1,000 Pesos)

						:Cost for						ion Co			: Total	ŧ۶	inancia
0.	Agency	No : :	Review Works	: :F	for /S&D/D	:Study of :Watershee	:Dam 1:Str	& App.	:1: •†	rriga- ion				:Watershed :Pro.Works		1) 1	O&M Cost
					,,.				• <b>t</b>	1011		ier i	Subbia	TIUINUIKS		•	LUSL
55	BSWM	59 :		:	0		:	5,575	:	888	:	0.:	0	: 1,352	: 7,880	:	38
6	BSWM	60 :		:	0	: 54	:	4,777	ŕ	2,219	:	0:	. 0	: 1,113	8,219	:	60
7	BSWM	61 :		:	0		:	3,457		2,219	:	0:	0	: 1,113	6,843	:	55
8	BSWM	62 :		:	0	: 148	:	2,306	:	2,219	:	.0:	0	: 3,063	; 7,769	:	50
9	-	63 :		1	0	: 54	:	2,347	:	2,219	:	0:	0	: 1,113	: 5,733	:	51
0	BSWM	64 :	ີ 0	:	0	: 47	:	3,504	:	2,219	:	0 :	0	: 972	6,742		56
1		65 :	0	:	0	: 61	:	3,003	:	1,109	:	0;	0	: 1,264	: 5,438	t.	33
2	BSHM	66 :	. 0	:		: 54	:	2,438	:	2,219	:	0:	0	: 1,113	: 5,824	:	51
3	BSWM	67 :	0	:	0		:	3,803	:	1,109	:	. 0 :	0	: 557	5,496	:	36
4	BSWM	68 :	0	:	0	: 54	:	4,562	;	1,109	:	0 ;	0	: 1,113	: 6,839	:	- 38
5	BSWM	69 :	34	:	0	: 27	:	3,160	;	1,109	<b>t</b> .	0:	0	: 557	: 4,888	:	- 33
6	BSWM	70 :	0	:	0	: 40	:	4,469	:	2,219	:	0:	0	: 835	7,563	£	59
7	BSWM	71 :	65	÷	. 0	: 160	:	5,953	:	2,219	:	0 :	0	: 3,309	: 11,706	:	65
8	BSWM	72 :	0	:	0	: 40	:	2,518	:	1,553	:	0:	0	: 835	4,946	. : .	39
9	BSWM	73 :	Ó	:	0	: 34	:	4,754	•	1,775	:	0:	0	: 696	: 7,259	:	52
0	BSWM	74 :	0		0	: 485	:	5,459	:	8,875	:	0:	0	: 10,021	: 24,840	:	189
1	BSWM	75 :	0	:	· 0	: 229	:	4,138	:	1,775	:	0:	0	: 4,732	: 10,875	:	49
2	BSWM	76 :	93	•	0	: 61	:	10,507	:	1,109	1	0:	0	: 1,253	: 13,022	:	61
3	BSWM	77 :	0		0	: 20	:	3,826	:	1,109	:	0 :	0	: 417	: 5,372	۲.	36
4	BSWM	78 :	Ó	:	0	: 20	:	3,737	;	1,664	:	0:	0	: 417	: 5,838	:	- 46
5	BSWM	79 :	0	:	0	: 13	:	2,813	:	998	:	0:	0	: 278	: 4,102	:	30
6	BSWM	80 :	- 52	:	- 0	: 91	:	5,462	:	1,109	:	0 :	0	: 1,874	: 8,587	÷	42
7	BSWM	82 :	37	:	0	: 27	:	2,892	:	1,775	•:	0:	0	: 557	: 5,288	:	45
8	BSWM	83 :	- 40	:	0	: 34	:	2,769	:	2,219	:	0:	0	: 696	: 5,757	:	53
9	BSWM	84 :	·· 0	:	0	: 34	:	2,716	:	1,109	:	0 :	0	: 696	: 4,555	:	31
80	BSWM	85 :	- 39	;	0	: 54	:	2,733	:	2,219	:	0 :	0	: 1,113	: 6,157	:	52
31	BSWM	86 :	C	:	÷ - 0	: 20	:	3,458	:	555	:	0:	0	: 417	: 4,449	:	24
32	BSHM	87 :	37	:	0	: 47	:	3,525	;	1,109	.:	0 :	0	: 973	: 5,691	;	- 35
33	BSWM	88 :	24	•:	- 0	: 27	:	2,493	:	555	:	0 :	- 0	: 557	3,656	:	20
34	BSWM	89	24	2	0	: 47	:	2,447	:	555	:	0 :	0	: 973	: 4,046	:	- 20
35	BSWM	90 :	C C	:	· 0	: 13	:	2,851	:	1,109	:	0:	- 0	: 278	4,251	. 1	32
6	BSWM	91	C	:	. 0	: 40	:	2,265	;	1,109	:	0 :	0	: 835	: 4,250	:	30
7	BSWM	92 :	33	:	0	: 40	:	3,269	:	888	:	0:	0	: 835			29
88	BSWM	93 :	Ċ	:	0	: 61	:	4,026	1	2,219	:	0 :	0	: 1,253	: 7,558	:	-58
9	BSWM			1	0	: 13	;	2,175	:	1,109	:	0 :	0	: 278	: 3,576	:	29
0	BSWM			:	0	: 34	:	4,294	:	1,109	:	0 :	0	: 696	6,133	:	37
1	BSWM			:	0	; 20	;	2,877	:	777	:	0:	0	: 417	: 4,091	:	26
2	BSWM					: 40	:	3,268	ł	666	:	0 :	0	: 835	: 4,809	:	25
3		98 :		:		: 114	:	3,802	:	2,441	:	0 ;	0	: 2,365	: 8,722	:	61
4		99 :		:	. O	: 13	:	3,249	:	777	:	0:	0	: 278	: 4,317	:	27
5		100 :		:			:	2,951	;	2,219	:	0 ;	0	: 3,479	: 8,817	;	54
6		101 :		:		: 88		5,232		1,109	:	0 :	0	: 1,812			43
7		102 :		1:		: 67		1,976		2,219	:	0:	0	: 1,394	: 5,656	:	50
8		103 :		:		: 34		1,998		2,219		0:	0	: 696	4,946	::	50
9		108 :				: 40		4,135		555		0:	0	: 835	: 5,602	:	26
0		109 :	· · ·		· ·	: 34		4,163		2,219		0:	. 0	: 696	; 7,110	:	58
H.		110 :				: 20		4,340		1,109		0:		: 416	: 5,885	:	38
2		111 :		::		: 47		2,592		2,773		0:		: 974			63
3		112 :	-			34		2,821		1,287		0 :		: 696			35
)4		112 :				: 14		2,308		555		0 :		: 280			19

Table 9.2.2

## Financial Cost Estimates of Each of SWIM Projects (5/5)

(Unit: 1,000 Pesos)

:			:0	ost for	.:	Cost	:Cost for						iction Co		۰.		Total	:F	1.1.2	icia]
No.	Agency	/ No	: 1	Review	:	for	Study of	;Da	m & App	.:1	lrr iga-	:1	lini-hyd:	Water	:†	latershed:		:	08	M
			; !	Works	:F	/S&D/D	:Watershe	d:St	ructure	;1	tion	:P	ower :	Supply	:	ro.Horks:	Cost	:	Cos	t
105	BSW	1 114		0	.;	0	: 34	:	1,739	. :	1,109		0;	0	:	696 :				28
106	BSWI	115	:	64	:	0	: 88	:	5,746		2,219	:	0 :	0	:				· .	64
107	BSW	1 117	:	0	:	· 0	: 135	:	3,135	::	2,219	:	0 :	0	:	2,784 :			. j	54
108	BSW	118	:	0	:	0	: 20		2,960	÷	1,553	•	0:	0	;	416 :	1			41
109	BSW	119	:	0	:	0	: 40	:	3,088	:	1,331	:	0:	0	:	835 :				37
110	BSW	1 1 2 0		0	:	0	: 47	:	2,611	:	1,775	:	0:	0	:	974 :				44
111	BSW	121	;	0	:	0	: 34	:	3,622	;	1,331	<b>;</b> ;	0::;	0	:	696 :	and the second second			39
112	BSW	122	:	0	:	0	: 34	:	3,713	:	2,219	÷	. 0 :	0	:	696 :				57
113	BSW	123	:	0	:	0	: 14	t.	2,635	;	2,219	<b>:</b> ]	0 :	0	:	280 :				52
i14	BSW	124	:	0	:	0	: 0	:	1,581	:	3,328	<b>t</b> .,	0:	0	:					70
115	₿S₩ŀ	125	:	0	:	0	: 47	: -	2,762	:	2,330		0:	0	:	974 :				55
116	BSW	126	:	0	:	0	: 47	:	5,048	:	1,775	1	:0::	0	:	974 :	7,845	:	1.12	53
117	BSH	127	;	0	:	0	: 20	:	1,614	:.	3,106	÷	0.1	0	:	416 :	5,156		si e	65
118	BSW	128	:	0	:	0	: 54	:	5,830	:	3,439	<b>.</b>	0 :	0	5	1,112 :				88
119	₿S₩ŀ	129	:	0	:	0	: 108	:	3,973	:	3,772	:	0 :	0	;	2,227 :				87
120	BSW	130	:	41	:	0	: 54	:	2,916	ŧ	2,219	:	, • 0 , <b>:</b>	0	;	1,112 :				53
121		131		0	:	0	: 54	4	1,909	:	4,438	:	0 :	0	•	1,112 :	7,513	:		92
122	BSWM	132	:	0	:	0	: 40	1	2,618	:	1,331	:	0 ;	0	:	835 :				35
123	BSW	133	:	0	:	0	: 141	:	2,775	:	4,438	•	0;	0	ŧ	2,922 :	10,277	÷	:	95
124	8SWM	134	:	43	:	0	: 40	:	4,667	:	777	:	0 :	0	:	835 :	6,362	:	is e	32
125	BSW	135	÷	0	:	0	: 195	:	5,090	:	2,995	:	0:	- 0	:	4,036 :	12,316	•	- 4 i	- 77
126	BSW	136	:	0	:	. 0	: 20	:	1,739	;	666	:	0:	0	:	416 :	2,841			19
127		137		0	:	0	: 168	:	3,533	:	888	;	0:	0	;	3,479 :	8,067	:		30
128		138		0	:	0	: 276	:	5,908	:	4,216	:	0.‡	0	:	5,706 :	16,107	;	2	103
129		139		0		0	: 101	:	4,215	:	3,328	:	0.::	0	:	2,088 :	9 732	:		79
130		140		26	:	0	: 34	:	2,422	:	888	:	0:	0	4	696 :	4,064	:		26
131		141		0		0			4,694	:	1,775	:	0;	0	:	3,897	10,555		Č :	52
132		142		0		0	: 154	:	5,946		2,663	÷	0:	0	•	3,182 :	11,945	۲.	1.11	74
133		143		0	;	0			5,214		1,775	:	0:	0	:	696 :	7,719		: •	54
134		144		0		0			5,482		1,886		0 :	0	:	0 :	7,368	:		57
135		145		0		-0			5,058		5,547		0 :	0		1,394 :	12,066	:	•	125
136		146		0		0			4,238		2,663		0:	0		1,253		2		67
137		147		Õ		Ō			3,027	÷.,	2,219		0:	0		1,112 :				54
138		149		23		0			2,752		444		0	0		280				18
139		150		0		Ő			3,528		3,883		0:	0		1,394 :				87
140		150		0		0			2,530				0:	0		1,253				52
	Total (	BSWM)	):	2,249	;	0	: 9,470	;	513,676	:	240,313	;	0:	0	:	196,095 :	961,803	<b>;</b>	6,	,528
	Grand T	otal	:	9,320	:1	20.931	: 35,147	•2	340.113	 :	713.088	;	96.174	7.264	:	726.379	4.048.417		23,	,471

Note:

1; The costs for contractors' tax, land acquisition, general administration, engineering services for construction supervision and physical contingency are included in construction cost for individual facilities.

2: The total may not equal the sum of individual figures due to rounding.

:Table 9.4.1

Annual Fund Requirement of Total Project Cost

	1	Total										Pesos 1,0	
Item	+1st Five  Years	2nd Five	- 10F81 -	1 1001	. 1000		1 1994	1 1995	1 1996	2r + 1997	nd Five 1 1998	/ear 1 1999	1 2000
.SWIN Fund	t			1	t	· · · · · · · · · · · · · · · · · · ·				*******			
-Dam & App.Str. (OECF Projects)	1223692 1 480818	2246470 0				1 2 2 0 24	1707100	i 1310938 1105812	: :338631 1 0	1 1400167 1 D	1430100 1 0	1 1484773 1 0	1 1 372799
-Watershed Pr. (OECF Projects)	1 421763	696721	1110484 91681	1 42294 1 16424	1: 72662 1: 17323	1 1 93766 1 18277	1 98401	1	1	1 1135230	1 1140729 1 0	1 1160316 1 0	1 (14434)
-F/S & D/D (OECF Projects)	108947	162523 0	151460	1 31273	1 1 30117	; ; 38531 ; 0	t 1 29558		1 1 52789	t 1 46539 t 0	1 1 54512 1 0	1 1 8664 1 0	 
Sub-total (OECF Projects)	1834402 572499	3105714 0	4940113 572499	202956	t 1326107 1108172	******	1428324 1428324 1120458	•	1 1307321 1 · 0	1 1561956 1 0	1645340 1 0	1 1653752 1 0	1 171734 1 (
Specific Cost	•	1 .			t ' t	1 1	t 1	1	r 1	t 1	1	t 1	1 1
Irrigstion DECF Projects)				1 1.55592 1.30577.	1 32230	34027	1 35913	1 37917	1 0	s 1102314 s O	: :103595 : 0	t 118404 1 0	112629
Hini-hydro OECF Projects)			14737 <u>9</u> 39400	1 7058 1 7058	1. 7445 1. 7445	t 7855 t 7855	1 8290	1 8753 1 8753 1 8753	1 13695	1 1 16644 1 . 0	t t 7592 t 0	1 31295 1 0	1 1 39031
Water Supply OECF Projects)	0 0	13197 0	13197 0		: 0	1 0		1 0		, 0	ì O	1 0	1 13197
Revlew Works OECF Projects)		500 0		2463 542	1 4243 1 571	1 1 2367 1 603	1 982		233	1 169	1 99	1 .O.	т., э. (
Sub-total OECF Projects)		663056 0	1192697	1 65111	1	1	1		1	1 119127	1111285	1	117852
	1 			*	1	1	1	1	ı	•		۰.	r
TOTAL OECF Projects)	1 2354042	3769770	6132812 785607	1268069	:426568 :148438	1303363	1347323	1616619	1611730 i 0	:701093 : 0	1756626	1803451	189587

 Table 9.4.2
 Annual Fund Requirement for DPWH Portion

UPHARY ( DPWH For	tion)										(Unit:P	esoi 1,0	00)
					15	t Five Y	ear		,	20	d Five Y	tar	******
Item	ilst Five :Year	2nd Five Year	Total Cost	1991 :	1992 :			r 1995 I		1 1997 1	t 1998	t 1999 1	t 2000 t
.SWIN Fund	1	• •- • • • • • • • •		t .	• • • • • • • • • • • • • • • • • • •	t	 1		1	••••••• 8		·	 1
Den f Jan fhu	1			1	t		t 		1	r		1	1
-Dam & App.Str. (OECF Frojecta)			133775							1 97484 1 · D			
(obor recjecte)				1							1. U		1 U
Watershed Pr.			198457								1 25644	1 40499	1 29176
OBCF Projects)		· 0	5992			1195				• O	1 . 0	1 0	i (
F/S & D/D		97282	015401			23495 -				1 11804		1 2071	1 .
OECF Projects)		97202	213493										-
	t .	-		1	1			1	1	2	1	1	r i
Sub-total			1211156										
OECF Projects)	139767	0	139767	1 2503B	26409	27863	29408	: 31049	. 0	1 0	I 0	, 0	r
Specific Cost	1			1	1 	· · ·	•	4 •	1	•	1	1	1
specific cost				1 ·	, t	•			i i		1	1	1
Irrigation	62092	76599	138692	6805	1 9991	12736	13136	19424	: 15860	1 18207	1 21461	: 10700	E-1037
OECF Frojects)	1 37988	0	37988	6805	7178	7573	7993	1 8439	ı 0	I 0	1 0	ı 0	۱. I
	1 N			1					1		1	1	·
Hini-hydro		107979				: 1384 : 1384							
OECF Projects)	: 6943	<b>.</b> .						1 1245		1 0	r v 1	1 0	<u>.</u>
Water Supply	, 0	13197	13197	-	•	-		-		-	-	-	, 1319
OECF Projects)	1 0		0		t - 0	. 0	1 0	1 0	1 0	1 0	1 0		
	1	· ·		<b>t</b> <sup>1</sup>	•	ŧ		-		-	•	I.	1
Review Works		· · · O								-	• •		11
OZCF Projects)	1 468	· · · · •	. 468	84	: 88	ı 93	98	104	1 0	. 0	i 0	. 0	
Sub-total	1 72499	107776	270274	4208	1 12523	13003	14695	21070	29271	34651	29052	41995	1 6260
OECF Projects)	1 1 1 1 - 1 - 1 - 1 - 1		45399	8133	1 8578	9051	9552	1 10085	1 0	1 0			
and irolecs)	1	· · · · ·					1	н <sup>с</sup>		•	,		1
TOTAL	1 421755	1059675	1481430	: 54883	: 66490	87094	1 95989	117299	1161664	1197705	1213080	:223151	
(OECF Projecta)	1 185166	0	185166	: 33171	: 34987	: 36914	1 38960	1 41134	ı 0	1 0	1 0	1 0	1 ·

Note: The total may not equal the sum of individual figures due to rounding.

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Table 9.4.3

 ${\bf Y}_{i}$ 

											*******		
	: 11#1 Five :Years	Total 2nd Five Year				it Five Y I 1993 I		1 1995	1 1 1996	2n 1 1997 1	d Five Y 1 1998 1	867 1 1999 1	1 200
SWIM Fund		**				• • • • • • • • • • •				•			
SWATE LOUIS	;				;	•	:	· · · · ·	4 C .	1	1	1	1.
Dam & App.Str.	1 682951	1243164	1926114	53521	129474	1151255	182667						28851
OECF Projects)		0										1 0	
	l.			1	1	1	1 .	1	•	i i	1	1	;
Watershed Pr.	1 216703	430496	647199	12566	+ 40904	1.53718	1 44938	1 64376	1 71837	1 79504	1 07539	1 98608	1 9319
OECF Projects)	1 33462	0	33462	: 5995	: 6323	1 6671	1 7042	1 7434	1 0	1 0	. 0	1 0	Pres al
	1			1	1	1	1		i 1	1	1	1	1
F/S & D/D	ı 70735	65241	135976	: 11003	1 9214	1 13036	1 5562	: 29920	1 10142	1 13051	1 27456	: 6593	1
OECF Projects)	, 0	0	. 0	: 0	t 0	1 0	1 0	t 0	1 0	1 0	1 0	: 0	1 -
	1			ł	1 .	1	1 · · · · ·	E 2.1	1	•	1	1 .	¥ 1 1
Sub-total	1 970369	1738901	2709290	77091	1179591	1220010	1233167	1260329	1296598	: 333253	: 362313	1364832	138170
OECF Projects)	: 247839	0	247839	44399	1 46829	1 49408	i 32147	1 55056	1 0	1 0	1 0	1 °C	i 17
	•			•	<ul> <li>1.0</li> </ul>	1	1		1	1	1	1	1
Specific Cost	:				1	1	1	÷ .	1 .	1	1	1	<u> </u>
•.	£ .			1	1	1	£	t	1	:	:	1	
Irrigation	: 225583	326504	552087	15053	1. 39637.	1 51294	1 62573	1 37025	1 49548	1 53829	: 31250	1 76511	1.953
OECF Projects)	1 59252	0	59252	10615	1 11196	111812	12467	1 13163	r 0	ເ ປ	i 0	1 0	1
	1			<b>ا</b> ا	1	8	:	• 5.	<b>i</b> - 5	I I	1, 11, 11, 11	1	I
Hini-hydro	1 32457	\$	32457			1 6470				, 0	) 0	1 0	1
OECF Projects)	: 32457	0	32457	1 5814	: 5133	1 6470	1 6829	1 7210	1 Q	r 0.	1 0	1 0	1 .
	1			1	<b>t</b>	t	1	t in	~	t j	t	•	1 j
Water Supply		0	0	-			• •	-			•		<b>*</b>
OECF Projects)	, 0	Ô	0	ı 0	ı 0	1. 0	1 0	1 0			1 0	1 0	t [
<b>.</b>	•	_	4932		1	t 		5. A.A.	-			1	1
Review Works		0	2088									1 0	
OECF Projects)	1 2088	0	2000	1 3/4	1 393	1 910	1 939					, ,	<b>1</b>
Sub-total	: : 262991	326504	589494	. 21604	48211	· 58611				1.	81950	1 76511	
OECF Projects)		. 120304						1 20837			1 31230		
obor (tojecca)	1 10110	Ť		1	1	1	1 .		t ~	1	-	1	i -
TOTAL	. 1233380	2065605	3298786	08697	.997873	*******	+ 101000	. 325778	. 146165	. 187/182			
OECF Frojects)		2005405	341637										1

Table 9.4.4

Annual Fund Requirement for BSWM Portion

SUNDHARY (BSWH Por	t10n)						 				(Unit:	esos 1,0	00)
	1	Total		1		t five Y			1		d Five )		
	:18t Five  Years	2nd Five Year			1 1992 1		1 1994	1995	1 1996 1	: 1997 :	1 1998 I	: 1999 :	1 2000
).SWIH Fund	1			1	1	1	1	1	1	1	1	F	
-Dam 4 App.Str.	1	390071	736865	1	1 62052	1 10194	1 74710	1 - #705#	1	1	1	1 86332	1 
(OECF Projects)		0			1 23067								0
-Watershed Pr.	1	114841	402017		1	1		1	20042		-	1	1
(OECF Projects)		114941			1 9868					1 23653			
-F/S & D/U	1	0	0	-	t t 0		1 0	1 1 0		; ; 0	1	י ניס	1
(OECF Projects)		•	ů 0			•		• •		· . ·	-	1 20	1 0
	•			•	1	r .		•		•	∎ 2° , 2 3	1	2
Sub-total (OECF Frojects)	: 514757 : 184893				1 92548				1 78330	, + -			:134172
(OZCE Projects)	1 104093	v	104933	1 33142	1 24832	1 20928	1 29203	1 41073		1 U	2 U	1	1.0
Specific Cost	1			1	1	i	i i	i e ,	i	1	t	1	1 . T
-Irrigation	1 191839	138277	110116	1	1 . 10716	1 . 10144	1	1 11600	1 25363	t - 50178	1 10881	1	1 . 20556
(OECF Projects)					1 13877							+	
	1	•		1		1	1		-	1	1		1
-Hini-hydro (OECF Projects)	I 0	-	0			• •		• •	• •		-	1 0	
(0201)	1	v	-					1		1	;	1	i v
-Water Supply		-	0							1. 0	<b>-</b>	1 Ø	1 0
(OECF Projects)	1 O	0	0	1 0	1 · 0	1 0	1 0	• •	s 0	. 0		0	
-Review Works	1 2311	500	2812	1 - 565	1 561	637		-	•	5 169	1 99	. 0	
(OECF Projects)	: 467	Q	467	1 84	1 88	1 93	1 98	1 104	1 0		F 0	*∎ <sup>2</sup> , 0	`Е` 0
Sub-total	, , 194150	138777	332928	1 34299	1 39807	: 39701	1 34461	1 45802	1 25598	-	•	: 31193	1-20356
(OECF Projects)	1 73911	0	73911	1 13241	1 13965	: 14735				1 0	1 0	+ 0	1 0
	: 			*		•		1		, 			
	1 208907		1352397										
(OECF Projects)	, 258803	0	258803	: 46363	1 46900	1 51594	1 54454	1 57492	i 0	1 0	1 0	1 0	1 C

Note: The total may not equal the sum of individual figures due to counding.

Table 9.4.5

# Annual Disbursement schedule of SWIM Projects (1/6) -- DPWH Projects --

		UPTERI ( 2014 1.)																					•							•		÷	:					
1         Manual (1)         N	- C		1 10	8 5	Sa Sa	Factifi T.Mort	1	Kateruk Kateruk		1	1	E .	52	Total :	× ×	1		i –		1. • :			- <b>H</b>	\$ · · ·		1		for 1	Ĩ	ŝ.	3	f	1.8		1		Į .	1000 X 1000
11         1	93					ŀ														ł. 	ŀ											ľ						
11:         1 memoriane         10: <th< td=""><td>101</td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td>:</td><td></td></th<>	101	•																													•						:	
No.         No. <td></td> <td></td> <td>STATISTICS I STORE</td> <td>£</td> <td></td> <td></td> <td>10945 :</td> <td>¢</td> <td></td> <td>0</td> <td>11990</td> <td>ž</td> <td></td> <td>872 :</td> <td>2</td> <td></td> <td>78M2 :</td> <td>TAT.</td> <td></td> <td> A</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td>•</td> <td>•</td> <td></td> <td>•</td> <td>•1</td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td>			STATISTICS I STORE	£			10945 :	¢		0	11990	ž		872 :	2		78M2 :	TAT.		A					•		•	•		•	•1					0		
21         210000         100 </td <td>ž</td> <td>-</td> <td>HAN SADDAR</td> <td>: 19</td> <td></td> <td></td> <td>2.55</td> <td>92</td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td>ō</td> <td></td> <td></td> <td>9</td> <td>ž</td> <td></td> <td></td> <td>ğ</td> <td>0.5</td> <td></td> <td></td> <td><u>ه</u></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td>: •</td> <td></td> <td></td> <td></td> <td></td> <td> 0</td> <td>•</td> <td></td>	ž	-	HAN SADDAR	: 19			2.55	92		0				ō			9	ž			ğ	0.5			<u>ه</u>			•			: •					 0	•	
71         1			11245114				10096	8	\$770 :	 0			965 5	398	š		562 - 1	1000	-	: 998		-			•			•					-0			0		
Dit         1         25         55         10         1001         1         1001         0 </td <td></td> <td></td> <td>: ISABEL</td> <td></td> <td></td> <td></td> <td>10028 -</td> <td></td> <td>1057 :</td> <td>• •</td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>0</td> <td>228</td> <td></td> <td></td> <td></td> <td></td> <td>9549 : 6</td> <td>. 5</td> <td>6505</td> <td></td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td></td> <td></td> <td>•</td> <td></td> <td></td>			: ISABEL				10028 -		1057 :	• •				0			0	228					9549 : 6	. 5	6505			8					3			•		
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9:         7:10,4         5:         0: <th< td=""><td>1. 19440 8</td><td>15: 12</td><td>SMORTH COTABATO</td><td>ں :</td><td>•</td><td>202</td><td></td><td>222 2</td><td>10151</td><td></td><td>62215</td><td>225</td><td>5422</td><td>100ML -</td><td>22.95</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5: 542</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td>0</td><td></td><td></td><td>•</td><td></td><td>Ť</td></th<>	1. 19440 8	15: 12	SMORTH COTABATO	ں :	•	202		222 2	10151		62215	225	5422	100ML -	22.95								5: 542									•	0			•		Ť
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Note: The total may not equal the sum of individual figures due to rounding.

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Annual Disbursement schedule of SWIM Projects (2/6) -- NIA Projects No.1--Table 9.4.5

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Table 9.4.5Annual Disbursement schedule of SWIM Projects (3/6)-- NIA Projects No.2--BISIMARY MALL OF BUSICAL OF MALLAN MOLECUL CASIL OF SALM MOLECUL

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Note: The total may not equal the sum of individual figures due to rounding.

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Annual Disbursement schedule of SWIM Projects (4/6) -- BSWM Projects No. 1--Table 9.4.5

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Annual Disbursement schedule of SWIM Projects (5/6) -- BSWM Projects No.2--

Table 9.4.5

Note: The total may not equal the sum of individual figures due to rounding.

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Annual Disbursement schedule of SWIM Projects (6/6) -- BSWM Projects No.3--Table 9.4.5

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#### Regional Distribution of Fund Requirement Table 9.5.1

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Noter The total may not equal the sum of individual figures due to munding.

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#### Table 9.6.1

Repayment Capability of Beneficiaries (1/4)

#### Table 9.6.1 Repayment Capability of Beneficiaries (1/4)

No.	AGENCY Name No.	PROJECT NAME	INCREASE OF ANNIAL INCOME (Pesos) (A)	ANMIAL OSM COST(IRRIG) (Pesos) (B)	ANNUAL OGM COST(DAM) (Pesos) (C)	AMORTIZA- TION(IRRIG) (Pesos) (D)	INCOME/ EXPENCE RATIO (B+C+D)/A	DIFFERENCE INCOME EXPENCE A- (BICID)
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 9 20 21 22	DFWH         1           DFWH         2           DFWH         2           DFWH         3           DFWH         3           DFWH         7           DFWH         7           DFWH         9           DFWH         13           DFWH         14           DFWH         15           DFWH         17           DFWH         18           DFWH         10           DFWH         12           DFWH         20           DFWH         21           DFWH         21           DFWH         22           DFWH         25           DFWH         27           DFWH         28	SAYTAN DAM & RESERVICE SMIP BOLO DAM & RESERVICE SMIP BOLO DAM & RESERVICE SMIP SACRIFICE VALLEY DAM TULARIQUIN DAM & RESERVOIR BURDEDS RIVER SMIP SAN JOSE DAM CUEACUB DAM & RESERVOIR SMIP DEBESMAC DAM & RESERVOIR SMIP DEBESMAC DAM & RESERVOIR SMIP GUIMEA DAM & RESERVOIR SMIP BANAYAL DAM & RESERVOIR SMIP CALITLITAN DAM & RESERVOIR SALVACION DAM & RESERVOIR LIGTOS SMIP ABLAN SMIP CATTEBAGAN SMIP MALALIMTA SMIP CALUBAYAN SMIP	780,000 6,015,750 280,800 4,826,250 2,925,000 3,012,750 877,500 7,312,500 5,411,250 2,574,000 2,505,750 2,223,000 1,662,375 2,262,000 3,198,000 1,579,500 2,174,250 1,311,375 3,237,000	425,000 182,750 106,250 10,375 191,250 85,000 25,500 212,500 191,250 60,250 63,750 46,875 50,150 60,200 85,000 42,500 31,875 85,000	126,460 122,760 56,570 183,895 157,965 31,325 141,215 128,770 70,815 21,265 145,585 168,225 29,890 91,735 16,745 28,845 26,400 118,260 41,570 24,405 31,650 109,870	61,200 263,160 	0.79 0.09 0.20 0.13 0.11 0.10 0.10 0.10 0.10 0.10 0.1	167,340 5,447,080 
23	DPWH 33	LIBASAN SWIP TOTAL (DPvH)	1,524,900	57,800	27,770	83,232 2,585,196	0.11     0.12	1,356,098 50,247,739
2 3 4 5 6 7 8 9 10 11 21 3 14 15 16 17 18 19 20 12 23 24 25 26 7 28 99 03 13 23 33 43 55 63 7 88 99 04 1	NIA         4           NIA         6           NIA         7           NIA         1           NIA         11           NIA         12           NIA         21           NIA         21           NIA         23           NIA         25           NIA         26           NIA         27           NIA         28           NIA         29           NIA         31           NIA         53           NIA         56           NIA         57           NIA         57           NIA         97           NIA         100           NIA         101           NIA         102           NIA         103           NIA         104           NIA         107           NIA         111 <tr td=""> <tr td="">          NIA<td>PARPACOJA SWIP (SCHEME-I) POTOT SWIP (SCHEME-I) CARAMDAN SWIP NASIG-ID SWIP TUGAS SWIP ILAYA SWIP SACUSURON SWIP (SCHEME-I) RUCACAO SWIP MALOYO SWIP MACSIPING SWIP MACSIPING SWIP MACSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BCHORG SWIP CARANCCALAN CIP POSIACON SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PACASICO SWIP PACASICO SWIP</td><td>4,504,500 2,847,000 4,762,875 7,985,250 3,363,750 7,868,250 3,656,250 6,425,250 1,813,500 2,515,500 1,618,500 3,266,250 3,375 6,3375 6,325,60 3,21,750 560,625 63,375 63,375 4,065,750 940,875 287,625 224,250 1,150,500 1,033,500 1,033,500 1,033,500 1,033,500 1,033,500 1,833,000 2,271,750 0,3510,000 4,163,250 1,443,000 3,510,000 1,716,000 1,716,000 1,716,000 1,209,000 3,890,250 5,928,000 5,928,000 5,928,000 5,928,000 5,928,000</td><td>301,425 127,500 148,750 1,156,300 106,250 191,250 97,750 230,875 182,750 42,500 25,500 42,500 106,250 17,000 17,000 31,875 2,125 2,125 2,125 97,750 31,875 2,125 2,125 97,750 31,875 2,375 8,500 42,500 51,000 42,500 51,000 63,750 170,000 85,000 106,250 34,000 106,250 34,000 106,250 195,500 170,000 195,500</td><td><math display="block">\begin{array}{c} 172,810\\ 78,895\\ 84,330\\ 188,645\\ 153,980\\ 122,540\\ 98,360\\ 156,010\\ 119,315\\ 74,635\\ 93,675\\ 40,085\\ 67,835\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 100,135\\ 74,635\\ 75,130\\ 11,255\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 103,575\\ 103,575\\ 103,670\\ 68,285\\ 35,470\\ 30,505\\ 103,690\\ 62,075\\ 16,300\\ 99,250\\ 38,840\\ 33,020\\ 19,200\\ 79,865\\ 81,425\\ 81,425\\ 72,870\\ 78,720\\ 78,720\\ \end{array}</math></td><td><math display="block">140,760 \\ 332,460 \\ 263,160 \\ 61,200 \\ 85,680 \\ 36,720 \\ 269,280 \\ 36,720 \\ 61,200 \\ 153,000 \\ 24,480 \\ 45,900 \\ 3,060 \\ 3,060 \\ 140,760 \\ 45,900 \\ 33,660 \\ 12,240 \\ 122,400 </math></td><td>0.20 0.14 0.09 0.38 0.12 0.07 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10</td><td>3,596,213 2,457,005 4,315,595 4,975,233 2,950,520 7,279,060 3,319,380 4,360,405 5,660,025 1,635,165 2,276,645 5,660,025 1,635,165 2,276,645 5,931,195 4,487,385 792,175 1,458,795 2,931,870 269,035 4,38,710 57,570 57,570 6,60,055 3,769,630 849,610 205,770 1,066,060 686,015 1,673,090 2,085,695 3,198,910 3,841,925 1,243,740 3,164,350 1,552,720 1,169,780 1,106,840 3,551,135 5,555,4,972,330 5,050,680</td></tr></tr>	PARPACOJA SWIP (SCHEME-I) POTOT SWIP (SCHEME-I) CARAMDAN SWIP NASIG-ID SWIP TUGAS SWIP ILAYA SWIP SACUSURON SWIP (SCHEME-I) RUCACAO SWIP MALOYO SWIP MACSIPING SWIP MACSIPING SWIP MACSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BCHORG SWIP CARANCCALAN CIP POSIACON SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PACASICO SWIP PACASICO SWIP	4,504,500 2,847,000 4,762,875 7,985,250 3,363,750 7,868,250 3,656,250 6,425,250 1,813,500 2,515,500 1,618,500 3,266,250 3,375 6,3375 6,325,60 3,21,750 560,625 63,375 63,375 4,065,750 940,875 287,625 224,250 1,150,500 1,033,500 1,033,500 1,033,500 1,033,500 1,033,500 1,833,000 2,271,750 0,3510,000 4,163,250 1,443,000 3,510,000 1,716,000 1,716,000 1,716,000 1,209,000 3,890,250 5,928,000 5,928,000 5,928,000 5,928,000 5,928,000	301,425 127,500 148,750 1,156,300 106,250 191,250 97,750 230,875 182,750 42,500 25,500 42,500 106,250 17,000 17,000 31,875 2,125 2,125 2,125 97,750 31,875 2,125 2,125 97,750 31,875 2,375 8,500 42,500 51,000 42,500 51,000 63,750 170,000 85,000 106,250 34,000 106,250 34,000 106,250 195,500 170,000 195,500	$\begin{array}{c} 172,810\\ 78,895\\ 84,330\\ 188,645\\ 153,980\\ 122,540\\ 98,360\\ 156,010\\ 119,315\\ 74,635\\ 93,675\\ 40,085\\ 67,835\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 100,135\\ 74,635\\ 75,130\\ 11,255\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 103,575\\ 103,575\\ 103,670\\ 68,285\\ 35,470\\ 30,505\\ 103,690\\ 62,075\\ 16,300\\ 99,250\\ 38,840\\ 33,020\\ 19,200\\ 79,865\\ 81,425\\ 81,425\\ 72,870\\ 78,720\\ 78,720\\ \end{array}$	$140,760 \\ 332,460 \\ 263,160 \\ 61,200 \\ 85,680 \\ 36,720 \\ 269,280 \\ 36,720 \\ 61,200 \\ 153,000 \\ 24,480 \\ 45,900 \\ 3,060 \\ 3,060 \\ 140,760 \\ 45,900 \\ 33,660 \\ 12,240 \\ 122,400 $	0.20 0.14 0.09 0.38 0.12 0.07 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10	3,596,213 2,457,005 4,315,595 4,975,233 2,950,520 7,279,060 3,319,380 4,360,405 5,660,025 1,635,165 2,276,645 5,660,025 1,635,165 2,276,645 5,931,195 4,487,385 792,175 1,458,795 2,931,870 269,035 4,38,710 57,570 57,570 6,60,055 3,769,630 849,610 205,770 1,066,060 686,015 1,673,090 2,085,695 3,198,910 3,841,925 1,243,740 3,164,350 1,552,720 1,169,780 1,106,840 3,551,135 5,555,4,972,330 5,050,680
PARPACOJA SWIP (SCHEME-I) POTOT SWIP (SCHEME-I) CARAMDAN SWIP NASIG-ID SWIP TUGAS SWIP ILAYA SWIP SACUSURON SWIP (SCHEME-I) RUCACAO SWIP MALOYO SWIP MACSIPING SWIP MACSIPING SWIP MACSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BCHORG SWIP CARANCCALAN CIP POSIACON SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PACASICO SWIP PACASICO SWIP	4,504,500 2,847,000 4,762,875 7,985,250 3,363,750 7,868,250 3,656,250 6,425,250 1,813,500 2,515,500 1,618,500 3,266,250 3,375 6,3375 6,325,60 3,21,750 560,625 63,375 63,375 4,065,750 940,875 287,625 224,250 1,150,500 1,033,500 1,033,500 1,033,500 1,033,500 1,033,500 1,833,000 2,271,750 0,3510,000 4,163,250 1,443,000 3,510,000 1,716,000 1,716,000 1,716,000 1,209,000 3,890,250 5,928,000 5,928,000 5,928,000 5,928,000 5,928,000	301,425 127,500 148,750 1,156,300 106,250 191,250 97,750 230,875 182,750 42,500 25,500 42,500 106,250 17,000 17,000 31,875 2,125 2,125 2,125 97,750 31,875 2,125 2,125 97,750 31,875 2,375 8,500 42,500 51,000 42,500 51,000 63,750 170,000 85,000 106,250 34,000 106,250 34,000 106,250 195,500 170,000 195,500	$\begin{array}{c} 172,810\\ 78,895\\ 84,330\\ 188,645\\ 153,980\\ 122,540\\ 98,360\\ 156,010\\ 119,315\\ 74,635\\ 93,675\\ 40,085\\ 67,835\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 100,135\\ 74,635\\ 75,130\\ 11,255\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 103,575\\ 103,575\\ 103,670\\ 68,285\\ 35,470\\ 30,505\\ 103,690\\ 62,075\\ 16,300\\ 99,250\\ 38,840\\ 33,020\\ 19,200\\ 79,865\\ 81,425\\ 81,425\\ 72,870\\ 78,720\\ 78,720\\ \end{array}$	$140,760 \\ 332,460 \\ 263,160 \\ 61,200 \\ 85,680 \\ 36,720 \\ 269,280 \\ 36,720 \\ 61,200 \\ 153,000 \\ 24,480 \\ 45,900 \\ 3,060 \\ 3,060 \\ 140,760 \\ 45,900 \\ 33,660 \\ 12,240 \\ 122,400 $	0.20 0.14 0.09 0.38 0.12 0.07 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10	3,596,213 2,457,005 4,315,595 4,975,233 2,950,520 7,279,060 3,319,380 4,360,405 5,660,025 1,635,165 2,276,645 5,660,025 1,635,165 2,276,645 5,931,195 4,487,385 792,175 1,458,795 2,931,870 269,035 4,38,710 57,570 57,570 6,60,055 3,769,630 849,610 205,770 1,066,060 686,015 1,673,090 2,085,695 3,198,910 3,841,925 1,243,740 3,164,350 1,552,720 1,169,780 1,106,840 3,551,135 5,555,4,972,330 5,050,680		
PARPACOJA SWIP (SCHEME-I) POTOT SWIP (SCHEME-I) CARAMDAN SWIP NASIG-ID SWIP TUGAS SWIP ILAYA SWIP SACUSURON SWIP (SCHEME-I) RUCACAO SWIP MALOYO SWIP MACSIPING SWIP MACSIPING SWIP MACSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP MASSIPING SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP DICAP SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BLISS II SWIP BCHORG SWIP CARANCCALAN CIP POSIACON SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PINANGAKOGAN SWIMP PACASICO SWIP PACASICO SWIP	4,504,500 2,847,000 4,762,875 7,985,250 3,363,750 7,868,250 3,656,250 6,425,250 1,813,500 2,515,500 1,618,500 3,266,250 3,375 6,3375 6,325,60 3,21,750 560,625 63,375 63,375 4,065,750 940,875 287,625 224,250 1,150,500 1,033,500 1,033,500 1,033,500 1,033,500 1,033,500 1,833,000 2,271,750 0,3510,000 4,163,250 1,443,000 3,510,000 1,716,000 1,716,000 1,716,000 1,209,000 3,890,250 5,928,000 5,928,000 5,928,000 5,928,000 5,928,000	301,425 127,500 148,750 1,156,300 106,250 191,250 97,750 230,875 182,750 42,500 25,500 42,500 106,250 17,000 17,000 31,875 2,125 2,125 2,125 97,750 31,875 2,125 2,125 97,750 31,875 2,375 8,500 42,500 51,000 42,500 51,000 63,750 170,000 85,000 106,250 34,000 106,250 34,000 106,250 195,500 170,000 195,500	$\begin{array}{c} 172,810\\ 78,895\\ 84,330\\ 188,645\\ 153,980\\ 122,540\\ 98,360\\ 156,010\\ 119,315\\ 74,635\\ 93,675\\ 40,085\\ 67,835\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 100,135\\ 74,635\\ 75,130\\ 11,255\\ 101,105\\ 56,005\\ 75,130\\ 11,255\\ 103,575\\ 103,575\\ 103,670\\ 68,285\\ 35,470\\ 30,505\\ 103,690\\ 62,075\\ 16,300\\ 99,250\\ 38,840\\ 33,020\\ 19,200\\ 79,865\\ 81,425\\ 81,425\\ 72,870\\ 78,720\\ 78,720\\ \end{array}$	$140,760 \\ 332,460 \\ 263,160 \\ 61,200 \\ 85,680 \\ 36,720 \\ 269,280 \\ 36,720 \\ 61,200 \\ 153,000 \\ 24,480 \\ 45,900 \\ 3,060 \\ 3,060 \\ 140,760 \\ 45,900 \\ 33,660 \\ 12,240 \\ 122,400 $	0.20 0.14 0.09 0.38 0.12 0.07 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10	3,596,213 2,457,005 4,315,595 4,975,233 2,950,520 7,279,060 3,319,380 4,360,405 5,660,025 1,635,165 2,276,645 5,660,025 1,635,165 2,276,645 5,931,195 4,487,385 792,175 1,458,795 2,931,870 269,035 4,38,710 57,570 57,570 6,60,055 3,769,630 849,610 205,770 1,066,060 686,015 1,673,090 2,085,695 3,198,910 3,841,925 1,243,740 3,164,350 1,552,720 1,169,780 1,106,840 3,551,135 5,555,4,972,330 5,050,680		

Repayment Capability of Beneficiaries (2/4)

# Table 9.6.1 Repayment Capability of Beneficiaries (2/4)

-	AND DESCRIPTION OF T		The second second second second second second second second second second second second second second second s	- 17				
No.	AGENCY Name No.		INCREASE OF ANNUAL INCOME (Pesos) (A)	ANNUAL OSM COST(IRRIG) (Pesos) (B)	ANNUAL OSM	AMORTIZA- TION(IRRIG) (Pesos) (D)	INCOME/	DIFFERENCE INCOME EXPENCE
43	NIA 120	CALUNASAN SWIP MANDAUG SMIP ABEJILAN SWIP LUROSODA-AN SWIP CATUNGAVAN SWIM LAPACAN SWIP TAYTAY SWIP ABACA SWIP ONDOL-SWIP CAN JSHIPO BAN ASAN SHIP	1 2.569.750	L 42 500		61 200 1	0.09	1 / 21 015
44	NIA 121	MANDAUG SWIP	1,569,750	42,500 59,500	34,135 48,340	61,200 85,680	0.09	1,431,9151,931,980433,610440,970
45 46	NIA 122 NIA 128	ABEJILAN SWIP	516,750 477,750 2,174,250 2,544,750	12,750	1 52.030	18,360 18,360	0,16	433,610
47	NIA 130	CATUNGAWAN SWIM	2,174,250	12,750	5,670	18,360 79,560	0.08	440,970
48	NIA 131	LAPACAN SWIP	2,544,750	12,750 55,250 63,750	27.820	91,800	0.07	2.361.380
49 50	NIA 132 NIA 133	TAYTAY SWIP	1,842,750	46,750	14,015	67 320	0.07 0.07	1,714,665
ŝi.	NTA 136	INDOL SVIP	3,627,000	85,000 85,000	50,825	122,400	0.07	3,368,775
51 52			5,401,500	127,500	40,640 27,820 14,015 50,825 49,695 45,190	91,800 67,320 122,400 122,400 183,600 79,560 67,320 232,560 140,760 263,160	0.07	1,998,800 2,361,380 1,714,665 3,368,775 3,369,905 5,045,210
53 54 55 56	NIA 139	BANLASAN SWIP	1,979,250	127,500 55,250	23,045 18,925 166,720 116,360 163,480	79,560	0.08	1,821,395 1,826,755
55	NIA 141 NIA 147	KANASIHAN CTP	1,959,750	46,750	18,925	67,320	0.07	1,826,755
56	NIA 148	LUYANG CIP	4.026 750	161,500 97,750 182,750	116.360	140,760	0.09	5,698,720 3,671,880
57	NIA 149	DANAO CIP	7,575,750	182,750	163,480	263,160	0.03 0.08 0.08	6.966.360
58	NIA 150	TUNEKOD CIP	4,134,000	102,000	1 94.900	146,880	0.08	3,790,220 2,990,545
59 60	NIA 152 NIA 154	MASAPLOD CTP	2 369 250	76,500	40,295 38,590			2,990,545
61	NIA 157	NAGA-MANIUYOP CIP	4,436.250	55,250 106,250	124,395	79,560 153,000	0.07	2,195,850 4,052,605
62	NIA 158	SAN ANTONIO CIP	1,844,700	51,000	1 75.335	73,440 48,960 205,020 159,120	0.11	1,644,925
63	NIA 163	TIGABAO CIP	1,443,000	34,000 142,375	54,805	48,960	0.10	1,305,235
64 65	NIA 186 NIA 187	ROTO DONTAN SUTD	5,800,575	142,375	71,955	205,020	0.07	5,447,225
66	NIA 188	LAN-AGAN SWIM	1 784 250	46,750	98,125 55,170	1 67 320 1	0.09	3,735,055 1,615,010
67	NIA 190	KAMANSI-RIZAL SWIP	5,737,875	146,625	142,200	211,140	0.09	5,237,910
		BANLASAN SWIP BIARAS SWIP BIARAS SWIP KANASUHAN CIP ILUXANG CIP DANAO CIP MAAYOG-TUBIG CIP MAAYOG-TUBIG CIP NAGA-MANIUYOP CIP SAN ANTONIO CIP TIGABAO CIP THIGABAO CIP MAHAYAHAY SWIP BOGO-DONGAN SWIP LAN-AGAN SWIP LAN-AGAN SWIP TOTAL (NIA)	202,948,200	6,794,975				181,897,396
1	BSWM 1	SUCSUQUEN SWIP OLO-OLO I SWIP OLO-OLO II SWIP BALINGOAN SWIP SAN CRISTOBAL SWIP SAN AGUSTIN SWIP BINGAO II SWIP ODA SWIP PUGARO SWIP	276,900 431,925 415,350 536,250 1,140,750 331,500	12,750	14,055	l 18,360	0.16	231,735
23	BSWM 2	OLO-OLO I SWIP	431.925	14,875 12,750	14,055 23,075	18,360 21,420	0.14	372.555
.3	BSWM 3 BSWM 4	IDLO-OLO LI SWIP	415,350	12,750	1 17 /10	18,360	0.12	365.530
4 5 6	BSWM 4 BSWM 5	SAN CRISTOBAL SWIP	1.140.750	21,250 42,500	18,510 18,550 12,955 16,800	61,200	0.11	465,890 1,018,500
	BSWM 6	SAN AGUSTIN SHIP	331,500	13,600	12,955	19,584	0.14	285,361
7	BSM 7	BINGAO II SWIP	507,000	1 1/.000	16,800 19,665	24,480	0.14 0.12 0.13 0.14 0.14 0.11 0.09 0.14 0.14	448,720 1,241,635
8	BSWM 8 BSWM 9	PUGARO SWIP	1,365,000	31,875	8,150	45,900	0.14	542,950
10	BSNN 10	PAMARANIM SWIP	438,750	21,250	7,625	30,600	0.14	379,275
11	BSWM 11	CAPARISPISAN SWIP	1 633.750	1 21.250	14,935	00000		565,965
12 13	BSM 12	PATONG SWIP SAMAC SWIP MABINI SWIP	655,200	42,500	15,315 15,540	61,200 12,240	0.18	536,185 121,670
14	BSWM 13 BSWM 14	MARTNE SWIP	157,950 752,700	34,000	9.610	48,960	0.12	660,130
15	BSWM 15	SAN GONZALO SWIP	682,500	21,250	20,605	30.600	0.11	610.045
16	BSWM 16	CAMAGSINGALAN SWIP	628,875	23,375	1 7.765	33,660	0.10	564,075
17	BSWM 17	PATAR SWIP	867,750	21,250 42,500	13,570 10,850		0.08	802,330 753,200
18 19	BSW1 18 BSW1 19	MALMPIN SWIP VIGA SWIP	867,750 955,500	1 29.750	8 755	42 840	0.09	874.155
20	BSW1 20	CAHUOSAN	1,048,125	31,875	1 19,145	1 45.900	0.09	951.205
21	BSFM 21	MAGNUANG SWIP	267.930	1 12.750	1 12.765	18,360	0.16 0.24 0.19 0.13	224,055
22	BSWM 23	DAQUICAG II SWIP SAN ANDRES SWIP	236,145 372,840	17,000 21,250	19,485	24,480	0.24 0.19	179,915 301,505
23 24	BSWM 24 BSWM 25	PANTNAAN SWLP	497,250	21,250	12,710	30.600	0.13	432.690
25	BSMM 26	SAN JUAN T SHIP	180,375	10,625	10,165	1, 12,300	0.∠0⊡	144,285
26	BSWM 27	ISAN JUAN II SWIP	218,400	10,625	27,055 12,190	15,300 36,720	0.24	165,420 257,090
27 28	BSWM 28 BSWM 29	MACARCARMAY SWIP PATA SWIP	331,500 936,000	42.500	1 9.460	61,200	0.12	822,840
29	BSWM 30	BALAOUIT SWIP	1,008,150	42,500 29,750	8,330 13,190	61,200 42,840	0.11	896.120
29 30	BSWM 31	BALAQUIT SWIP CABARMUNGAN SWIP	1 1.006.200	29,750	13,190	42,840	0.09	920,420 508,350
31	BSW1 32	MARANA SWIP	547,950 1,242,150	42,500	21,505	18,360 61,200	0.10	1,116,945
32 33	BSWM 33 BSWM 34	CABULLIAN SWIP DIADI SWIP	1.369.875	27,625	19,195	39,780	0.06	1.283.275
34	BSWM 35	NAGANACAN SWIP	1,031,550	34.000	11,150	48,960	0.09	937,440
35	BSWM 36	BALETE SWIP	521,625	8,500	6,640	12,240 36,720	0.05	494,245 700,555
36	BSWM 37	MINAGBAG	780,000	25,500	7,875	73,440	0.10	1,232,685
37 38	BSWM 38 BSWM 39	PALAOUIT SWIP CABANNINGAN SWIP CABULIAN SWIP DIADI SWIP NAGANACAN SWIP BALETE SWIP MINACBAG KIRANG SWIP LANNEG SWIP	457,275	14,875	10,100	21,420	0.10	410,880
39	BSWI 40	SAN ANIONIO SWIP	1,462,500	42,500	15,315	61,200	0.08	1,343,485
40	BSIM 41	ABIAN SWIP	399,750	17,000	10,080	24,480	0.13	348,190
11.00	and the second second	and the second second second second second second second second second second second second second second second						

## Table 9.6.1 Repayment Capability of Beneficiaries (3/4)

			ورج المعادي				and the second second second second second second second second second second second second second second second	na se star
No.	AGENCY Name No.	PROJECT NAME	INCREASE OF ANNUAL INCOME (Pesos) (A)	ANNUAL OSM COST(IRRIG) (Pesos) (B)	COST(DAM) (Pesos) (C)	TION(IRRIG) (Pesos) (D)	INCOME/ EXPENCE RATIO (BICID)/A	DIFFERENCE INCOME EXPENCE A-(B+C+D)
412 442 445 447 445 515 555 555 555 555 56 612 66 66 66 66 66 67 77 77 77 77 77 77 77	Name         No.           BSVM         42           BSVM         43           BSVM         43           BSVM         44           BSVM         46           BSVM         46           BSVM         47           BSVM         46           BSVM         47           BSVM         48           BSVM         50           BSVM         50           BSVM         50           BSVM         51           BSVM         56           BSVM         56           BSVM         57           BSVM         60           BSVM         61           BSVM         63           BSVM         63           BSVM         63           BSVM         64           BSVM         63           BSVM         70           BSVM         71           BSVM         72           BSVM         73           BSVM         74           BSVM         75           BSVM         76           BSVM         78           BSVM	TREINIDAD SWIP         MALALAM SWIP         APANG SWIP         ANNEG SWIP         ANNEG SWIP         SAN MARCOS SWIP         SAN MARCOS SWIP         SAN FRANCISCO SWIP         SAN FRANCISCO SWIP         SAN FRANCISCO SWIP         SAN FRANCISCO SWIP         SAN FRANCISCO SWIP         SAN MARIANO         YEPAN SWIP         ARUSING DAGA SWIP         MINALIO SWIP         ARUSING DAGA SWIP         MASIN SWIP         CARALLANZAN SWIP         GANZANO SWIP         SMAPALOC SWIP         STO. DCMINGO III SWIP         BUTID SMIP         MANINICG SWIP         STA. CATALINA SWIP         STO. DCMINGO II SWIP         BUTUNOL SWIP         STO DCMINGO I SWIP         BUTUNOL SWIP         STO DCMINGO I SWIP         PAALA II SWIP         PAALINAGO SWIP         PAALINANG SWIP         PAALAI II SWIP         PAALAI II SWIP         PAALAI II SWIP         PAALAI II SWIP         PAALAI II SWIP         PAALAI II SWIP         PAALAI II SWIP         PAALAI II SWIP	(Pesos) (A) 390,000 425,100 3,656,250 1,360,656,250 223,275 223,275 223,275 645,450 750,750 463,125 394,875 882,375 877,500 1,267,500 1,267,500 1,267,500 1,267,500 1,267,500 1,267,500 3,0000 317,850 1,072,500 524,550 536,250 438,750 575,250 536,250 438,750 576,500 799,500 526,500 799,500 536,250 643,125 536,250 438,75 506,025 722,670 804,375 807,700 804,375 807,700 804,375 807,700 804,375 804,375 807,700 804,375 807,700 804,705 804,37	(Pesos) (B) 21,250 29,750 21,250 106,250 17,000 29,750 42,500 6,375 8,500 23,375 21,250 34,000 18,275 16,150 17,000 42,500 42,500 42,500 42,500 42,500 42,500 42,500 42,500 42,500 42,500 42,500 42,500 42,500 21,250 21,250 34,000 21,250 34,000 21,250 34,000 21,250 21,250 34,000 21,25	(Pesos) (C) 17,365 10,370 16,520 23,475 7,335 12,030 11,095 2,900 7,985 16,970 28,040 20,480 10,085 12,400 20,480 10,085 12,400 20,970 17,860 12,260 7,485 8,600 13,075 11,420 8,640 14,315 17,230 11,723 16,780 22,255 9,055 17,885 19,185 15,475 39,885 14,370 14,115 10,650 20,510 10,880 10,445 10,200 9,900 13,200 13,205 13,355 9,215 10,800 6,370 12,365 15,170 8,195 16,220 10,740 2,375 15,580 16,390 7,310 7,310 7,310 7,310 7,315 15,715 15,580 16,390 10,210	(Pesos) (D) 30,600 42,840 30,600 153,000 24,480 42,840 61,200 9,180 32,240 33,660 30,600 48,960 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 30,600 30,5	(BiC+D)/A 0.09 0.21 0.16 0.08 0.09 0.09 0.09 0.09 0.09 0.12 0.14 0.12 0.14 0.12 0.14 0.12 0.13 0.14 0.13 0.12 0.110 0.009 0.12 0.110 0.12 0.008 0.008 0.009 0.12 0.12 0.13 0.14 0.13 0.14 0.13 0.14 0.13 0.14 0.13 0.14 0.13 0.14 0.13 0.12 0.008 0.13 0.14 0.15 0.008 0.008 0.13 0.14 0.15 0.008 0.008 0.13 0.15 0.008 0.15 0.008 0.15 0.008 0.15 0.008 0.15 0.008 0.15 0.008 0.15 0.008 0.15 0	662,035 307,040 356,730 3,373,525 520,585 841,630 1,265,805 204,820 224,775 710,670 565,560 647,310 408,449 343,069 819,925 755,940 907,790 907,710 907,710 907,710 907,710 907,715 90
104 105 106 107 108	BSWM 113 BSWM 114 BSWM 115 BSWM 117 BSWM 117	TABAWAN SWIP TABAWAN SWIP WOODLAND SWIP SUMADAT SWIP	336,375 788,970 0 1,375,140 765,375	10,625 21,250 42,500 42,500 29,750	8,690 6,415 21,915 11,750 11,260	30,600 61,200 61,200 42,840	0.07 0.08 0.11	730,705 1,259,690 681,525

# Table 9.6.1 Repayment Capability of Beneficiaries (4/4)

# Table 9.6.1 Repayment Capability of Beneficiaries (4/4)

No.	AGENCY Name No.	PROJECT NAME	INCREASE OF ANNUAL INCOME (Pesos) (Å)	ANNUAL O&M COST(IRRIG) (Pesos) (B)	ANNUAL OSM COST(DAM) (Pesos) (C)	AMORTIZA- TION(IRRIG) (Pesos) (D)	INCOME/ EXPENCE RATIO (B+C+D)/A	DIFFERFNCE INCOME EXPENCE A-(B+C+D)
$\begin{array}{c} 109\\ 110\\ 111\\ 112\\ 113\\ 114\\ 115\\ 116\\ 117\\ 118\\ 119\\ 120\\ 121\\ 123\\ 124\\ 125\\ 126\\ 127\\ 126\\ 127\\ 126\\ 127\\ 128\\ 131\\ 132\\ 131\\ 132\\ 136\\ 139\\ 140\\ \end{array}$	BSW 120 BSW 121 BSW 122 BSW 123 BSW 124 BSW 125 BSW 125 BSW 126 BSW 127 BSW 127 BSW 127 BSW 127 BSW 128 BSW 129 BSW 129 BSW 129 BSW 130 BSW 131 BSW 131 BSW 133 BSW 133 BSW 133 BSW 133 BSW 133 BSW 134 BSW 138 BSW 138 BSW 140 BSW 141 BSW 144 BSW 144 BSW 145 BSW 146 BSW 145 BSW 145 BSW 145	LUNCMOT SWIP LAMARE I SWIP LAMARE I SWIP RALIRAY SWIP COLING SWIP LARUACION SWIP ALUBLJID SWIP BALIRAYON SWIP APULANG SWIP APULANG SWIP DIMALAGAN SWIP ILMALAGAN SWIP MINIU-OD SWIP MALAPONG SWIP MALAPONG SWIP MALAPONG SWIP SAN RAFAEL SWIP EUKAY-PAIT SWIP LUBLON SWIP DAMAN SWIP DAMAN SWIP SAN NICOLAS SWIP EOLTON SWIP DALMAN SWIP D	$\begin{array}{c} 931,125\\750,750\\773,175\\758,550\\970,125\\1,655,940\\970,125\\1,655,940\\970,125\\1,170,000\\2,481,375\\1,940,250\\1,610,310\\1,714,050\\741,858\\2,730,000\\4,92,375\\1,204,125\\302,250\\4,92,375\\1,204,125\\302,250\\521,625\\2,306,850\\2,026,050\\351,000\\1,204,125\\1,508,325\\924,300\\1,204,125\\1,508,325\\924,300\\1,204,125\\1,508,325\\924,300\\1,204,125\\1,508,325\\924,300\\1,204,325\\924,300\\1,204,375\\3,656,250\\2,022,150\\1,923,750\\2,3536\\1,547,325\\1,435,200\\\end{array}$	$\left \begin{array}{c} 25,500\\ 34,000\\ 25,500\\ 42,500\\ 42,500\\ 42,500\\ 63,750\\ 44,625\\ 34,000\\ 59,500\\ 65,875\\ 72,250\\ 42,500\\ 85,000\\ 25,500\\ 85,000\\ 14,875\\ 57,375\\ 12,750\\ 17,000\\ 80,750\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,000\\ 51,500\\ 17,000\\ 34,00$	$\begin{array}{c} 11, 615\\ 9, 875\\ 13, 750\\ 14, 110\\ 9, 985\\ 5, 860\\ 10, 330\\ 19, 285\\ 5, 765\\ 21, 905\\ 14, 715\\ 10, 890\\ 7, 170\\ 9, 840\\ 10, 380\\ 11, 455\\ 9, 300\\ 11, 455\\ 9, 330\\ 12, 635\\ 9, 330\\ 12, 635\\ 9, 330\\ 11, 455\\ 9, 330\\ 12, 635\\ 9, 330\\ 11, 455\\ 12, 635\\ 9, 330\\ 11, 455\\ 12, 635\\ 9, 330\\ 11, 455\\ 12, 635\\ 9, 330\\ 10, 10, 10, 10\\ 10, 10, 10\\ 10, 10, 10\\ 10, $	36,720 48,960 36,720 61,200 91,800 64,260 48,960 85,680 94,860 104,040 61,200 122,400 36,720 122,400 21,420 82,620 18,360 24,480 116,280 91,800 24,480 116,280 91,800 74,160 48,960 72,020 153,000 73,440 61,200 12,240 107,100 61,200	$\left \begin{array}{c} 0.08\\ 0.12\\ 0.10\\ 0.16\\ 0.15\\ 0.10\\ 0.12\\ 0.13\\ 0.13\\ 0.13\\ 0.13\\ 0.13\\ 0.13\\ 0.13\\ 0.10\\ 0.08\\ 0.11\\ 0.08\\ 0.11\\ 0.13\\ 0.12\\ 0.11\\ 0.08\\ 0.14\\ 0.08\\ 0.14\\ 0.08\\ 0.11\\ 0.09\\ 0.08\\ 0.11\\ 0.09\\ 0.08\\ 0.11\\ 0.13\\ 0.13\\ 0.13\\ 0.08\\ 0.07\\ 0.11\\ 0.13\\ 0.13\\ 0.08\\ 0.08\\ 0.07\\ 0.11\\ 0.13\\ 0.13\\ 0.08\\ 0.0$	$\begin{array}{c} 857,290\\ 657,915\\ 697,205\\ 640,740\\ 622,440\\ 1,494,530\\ 850,910\\ 709,930\\ 1,019,055\\ 2,298,735\\ 1,495,720\\ 1,499,480\\ 669,798\\ 2,512,220\\ 438,490\\ 1,044,905\\ 2,543,545\\ 4,66,750\\ 2,087,880\\ 1,854,845\\ 300,475\\ 1,103,415\\ 1,359,960\\ 821,490\\ 1,085,630\\ 3,378,170\\ 1,881,730\\ 908,595\\ 205,490\\ 1,353,215\\ 1,322,170\\ \end{array}$
		TOTAL (BSVM)	123,070,038	4,603,675	1,917,735	6,629,292	0.11	109,919,336
	GRAND TOT		382,930,938	13,576,425	8,290,790	18,999,252	0.11	342,064,471

Table 10.2.1EIRR of SWIM Projects in the First Five Yearsof 10 Year Action Program

												× .					• .	·				• • •		:	÷.,				. :		 -		•			а. 1
	Balance	-174,019	-258,332	-237,320	-195,350	-129,785	256,636	292,924	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	319,394	0	0	0	0	0
Total	Benefit	0	7,715	60,243	114,907	176,732	266,811	303,099	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	329,569	0	0	0	0	° <b>0</b>
	Cost	-174,019	-266,048	-297,563	-310,257	-306,517	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	-10,175	0	0	0		0
	Balance	-73,228	-74,781	-51,552	-31,028	-27,901	86,954	98,525	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	108,103	0	0	0	0.0	0
BSWM	Benefit	0	7,715	33,315	49,430	65,941	90,599	102,170	111,748	111,748	111,748	.111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	111,748	0	0	0	0	0
	Cost	-73,228	-82,497	-84,867	-80,458	-93,842	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3,645	-3.645	0	0	0	0	0
	Balance	-72,040	-147,541	-150,755	-134,238	-66,818	140,930	159,994	081,171	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171,780	171.780	171,780	171,780	171,780	171,780	171,780	171,780	0	<b>C</b>	0	0	0
NIA	Benefit	0	0	19,445	51,829	91,686	146,013	165,078	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	176,863	0	0	0	0	0
	Cost	-72,040	-147,541	-170,200	-186,066	-158,504	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	-5,084	0	0	0	0	0
	Balance	-28,750	-36,010	-35,014	30,084	-35,066	28,752	34,405	39,511	39,511	39,511	39,511	39,511	39,511	39 <u>,5</u> 11	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	39,511	0	0	0	0	C
DPWH	Benefit	0	0	7,483	13,649	19,104	30,198	35,851	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	40,958	0	0	0	0	C
	Cost	-28,750	-36,010	42,496	-43,732	-54,170	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1 446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1,446	-1.446	0	0	0	0	C
Year		1661	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025

			. '				· .	2	di. L		÷.,												1															
s1.000		Balance	0	0	Ö	0	-25,583	-306,124	-324,596	-267,286	-224,607	-212,277	226,651	241,061	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247,964	247.964	2.8%
Unit: Pesos1,000	Total	Benefit	0	C	0	0	0	Ö	7,960	78,902	135,109	186,438	237,881	252,291	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194	259,194		EIRR = 1
		Cost	0	•	0	Ö	-25,583	-306,124	-332,556	-346,188	-359,716	-398,715	-11,230	-11,230	-11,230	-11,230	-11,230	-11,230	-11,230		-11,230		-11,230		,230	-11,230	-11,230		÷.			-11,230	-11,230	-11,230	-11,230	-11,230	-11.230	
		Balance	0	0	0	0	0	-54,619	-53,346	-41,836	-37,185	-27,360	48,960	52,452	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	53,320	
	BSWM	Benefit	0	0	0	0	•	0	3,880	18,815	29,183	43,875	51,268	54,760	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	55,628	:
		Cost	0	<b>0</b>	0	0	0	-54,619	-57,225	-60,651	-66,367	-71,235	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	-2,309	
		Balance	o	0	0	0	-20,665	176,817	-186,428	-143,927	-111,091	-94,786	128,673	137,627	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	143,101	
	NIA	Benefit	0	•	0	0	0	• •	•	·	.1	•	134,321	143,275	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	148,749	
		Cost	0	0	0	0	-20,665	-176,817	-187,597	-189,989	-189,815	-201,539	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5,648	-5.648	-5,648	-5,648	-5,648	-5,648	-5,648	-5.648	
		Balance	0	0	0	0	4,918	-74,689	-84,822	-81,523	-76,332	-90,130	49,018	50,982	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	51,543	
	DPWH	Benefit	0	0	0	0	0	0	2,913	14,025	27,202	35,810	52,292	54,256	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816	54,816 -	54,816	54,816	54,816	54,816	54,816	
		Cost	Ģ	0	Q	Q.	4,918	-74,689	-87,734	-95,548	-103,534	-125,941	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	-3,274	
	Year		1661	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	

 Table 10.2.2
 EIRR of SWIM Projects in the Second Five Years

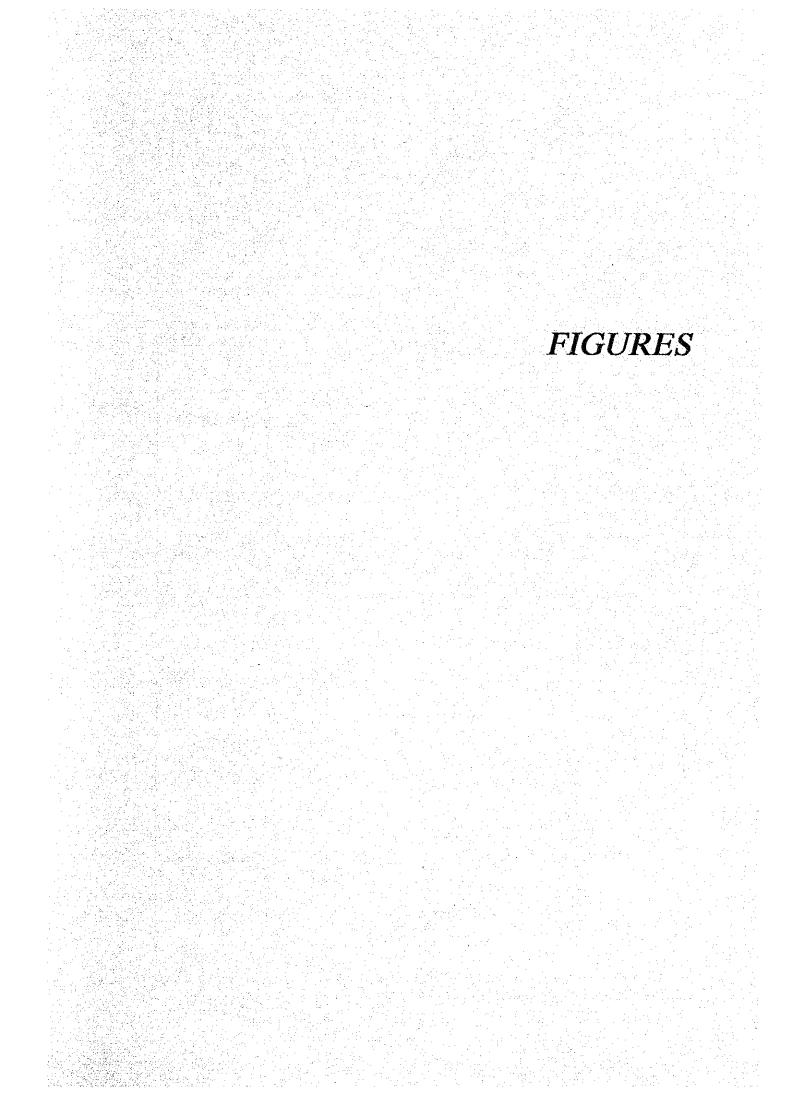
 of 10 Year Action Program

Table 10.2.3 EIRR of SWIM Projects in 10 Year Action Program-

	alance	-174,019	\$8,332	17,320	5,350	-155,368	19,489	31,671	52,108	14,787	107,117	546,045	50,455	57,358	57,358	57,358	57,358	57,358	57,358	57,358	57,358	57,358	67,358	67,358	67,358	567,358	567,358	67,358	67,358	67,358	567,358	247,964	247,964	247,964	
	Benefit B			60,243 -21								567,450 5							1		10	1.1		588,763 5		÷.,									
Total				÷			-316,299 266,	- 1. I				-21,405 567					÷ 1	1.1	-21,405 588							-21,405 588						÷.,	-11,230 259	1,230 259,	
																							•											[- 0	
	Balance	-73,228	74,78	-51,55	-31,02	-27,90	32,33					157,063				1								161,422			:		11				11		
BSWM	Benefit	O,	7,715	33,315	49,430	65,941	90,599	106,050				163,016																			-				
	Cost	-73,228	-82,497	-84,867	-80,458	-93,842	-58,264	-60,870	-64,296	-70,012	-74,880	-5,954	-5,954	-5.954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-5,954	-2,309	-2,309	-2,309	
	Balance	-72,040	-147,541	-150,755	-134,238	-87,482	-35,887	-26,434	27,853	60,689	76,994	300,453	309,407	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	314,881	143,101	143,101	143,101	
NIA	Benefit	0	0	19,445	51,829	91,686.	146,013	166,246	222,926	255,588	283.616	311,184	320,139	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	325,613	148,749	148,749	148,749	
	Cost	-72,040	-147,541	-170,200	-186,066	-179,169	-181,901	-192,680	-195,073	-194,899	-206,623	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-10,732	-5,648	-5,648	-5,648	
	Balance	-28,750	-36,010	-35,014	-30,084	-39,984	45,937	-50,417	42,012	-36,820	-50,619	88,530	90,494	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	91,054	51,543	51,543	51,543	
<u>DFWH</u>	Benefit	0	0	7,483	13,649	19,104	30,198	38,764	54,982	68,160	76,768	93,250	95,213	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	95,774	54,816	54,816	54,816	
	Cost	-28,750	-36,010	-42,496	-43,732	-59,089	-76,135	-89,181	-96,994	-104,980	-127,387	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	-4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	4,720	-3,274	-3,274	-3,274	
Year -		1661	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	

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Phase	Objective Project		Work Flow	
I Study on Current Status of	- Projects already completed (32 projects)	L	Inventory of SWIM Pro	ojects
SWIM Project	- Projects under construction (17 projects)	Projects b construct (501 Proje	ion	Projects completed or under construction (49 Projects)
	- Projects already identified but not constructed yet (501 projects)	Projects without stud (266 Project		
	(Total:550 Projects)	Additional Survey & Studies (96 Projects)	Review of Existing Studies (235 Projects)	Post-evaluation Study of Completed Projects (10 Projects)
ll Preparation of Criteria and/or Guidelines	- Projects with the existing studies (235 Projects)		ion of Projects ries (331 Projects)	
	- Projects additionally		ion of Criteria / Guid	
	surveyed (96 Projects) - Projects without studies	Criteria for screening or priority ranking	Planning criteria for SWIM Projects comprising guidelines of : 1. survey and	Guidelines for implementation procedures
	(170 Projects) (Total:501 Projects)		<ul> <li>investigation</li> <li>2. planning</li> <li>3. designs of major structures</li> <li>4. Operation and maintenance</li> </ul>	
11				
Formulation of Master Plan	Same as Phase II	<ol> <li>Priority</li> <li>Implement</li> <li>Recomment</li> </ol>	f Master Plan which in grouping of SWIM Pro tation schedule for no dation for further stu ementation	jects ext 10 years

Fig.1.2.1

.2.1 GENERAL WORK FLOW CHART FOR MASTER PLAN STUDY

	A A A A A A A A A A A A A A A A A A A	Q N O S F F F M	M H H D	
<pre>Phase I Study (1) Preparatory Work (2) Field Survey (3) Home work (3) Home work (4) Explanation of Progress (4) Explanation of Progress (1) Home Work-I (2) Field Survey (3) Home Work-II Phase III Study (1) Field Survey (2) For Work-V (2) Field Survey (3) Home Work-V (4) Field Survey (4) Field Survey (5) Fi</pre>			-	ר א א
<ol> <li>Preparatory Work</li> <li>Field Survey</li> <li>Home work</li> <li>Home work</li> <li>Explanation of Progress</li> <li>Home Work-I</li> <li>Home Work-I</li> <li>Field Survey</li> <li>Phase III Study</li> <li>Field Survey</li> <li>Field Survey</li> <li>Field Survey</li> </ol>				
<ul> <li>(2) Field Survey</li> <li>(3) Home work</li> <li>(4) Explanation of Progress</li> <li>Phase II Study</li> <li>(1) Home Work-I</li> <li>(2) Field Survey</li> <li>(3) Home Work-II</li> <li>Phase III Study</li> <li>(1) Field Survey</li> <li>(2) Field Survey</li> </ul>				• <b>••</b> ••
<ul> <li>(3) Home work</li> <li>(4) Explanation of Progress</li> <li>Phase II Study</li> <li>(1) Home Work-I</li> <li>(2) Field Survey</li> <li>(3) Home Work-II</li> <li>(3) Home Work-II</li> <li>(1) Field Survey</li> <li>(2) Field Survey</li> </ul>				
<ul> <li>(4) Explanation of Progress Phase II Study</li> <li>(1) Home Work-I</li> <li>(2) Field Survey</li> <li>(3) Home Work-II</li> <li>Phase III Study</li> <li>(1) Field Survey</li> <li>(2) Home Work</li> </ul>		· · · · · · · · · · · · · · · · · · ·	·····	
<sup>Ph</sup> (1) (2) (3) (3)				
<ul> <li>(1) Home Work-I</li> <li>(2) Field Survey</li> <li>(3) Home Work-II</li> <li>(3) Phase III Study</li> <li>(1) Field Survey</li> </ul>		··· · · · · · · · · · · · · · · · · ·		
<ul> <li>(2) Field Survey</li> <li>(3) Home Work-II</li> <li>3. Phase III Study</li> <li>(1) Field Survey</li> <li>(2) home model</li> </ul>				
<ul> <li>(3) Home Work-II</li> <li>3. Phase III Study</li> <li>(1) Field Survey</li> <li>(2) mone work</li> </ul>				
<ol> <li>Phase III Study</li> <li>Field Survey</li> </ol>		··· ·· · · · · · · · · · · · · · · · ·		
· · · ·		· · · · · · · · · · · · · · · · · · ·		 
(Z) HOINE WOLK			~ [7]	م مد ده د د مد دم د د
(3) Explanation of Draft Final Report		   	V -	
(4) Preparation of Final Report				1 1
Reports to be prepared				
Plan of Operation				
Inception Report				400 004 4
Progress Report				
Interim Report			 	
Draft Final Report			4	
Final Report				
Note: Preparatory Work	Field Survey	Work $\Delta^-\Delta$ Explanation	nation of	of Reports
	Fig.1.3.1	WORK SCHEDULE FOR MASTER PLAN STUDY	ASTER PI	AN ST
				a da dage a da

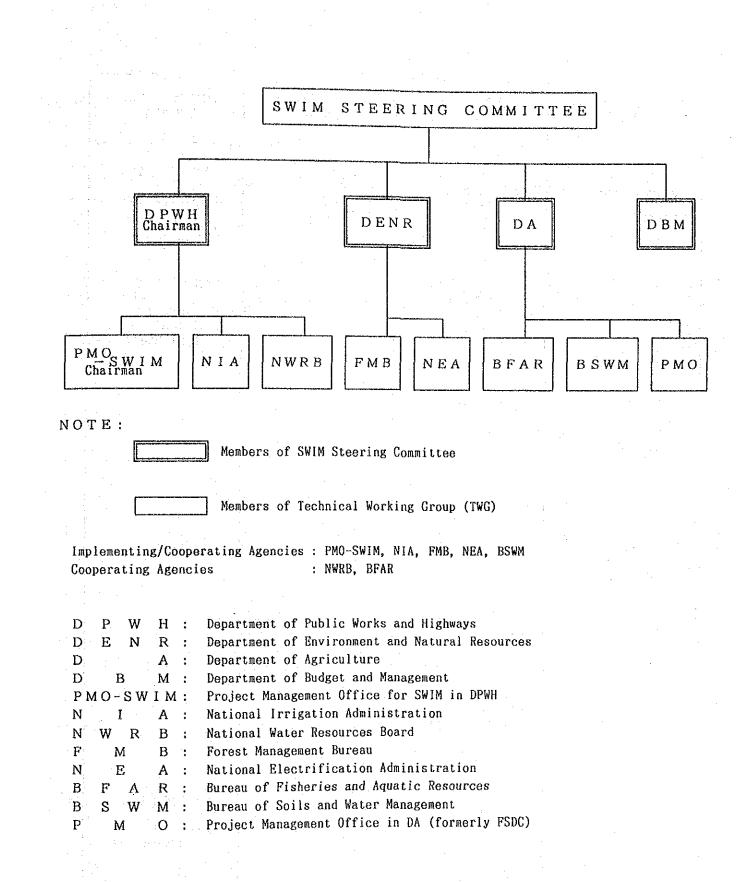
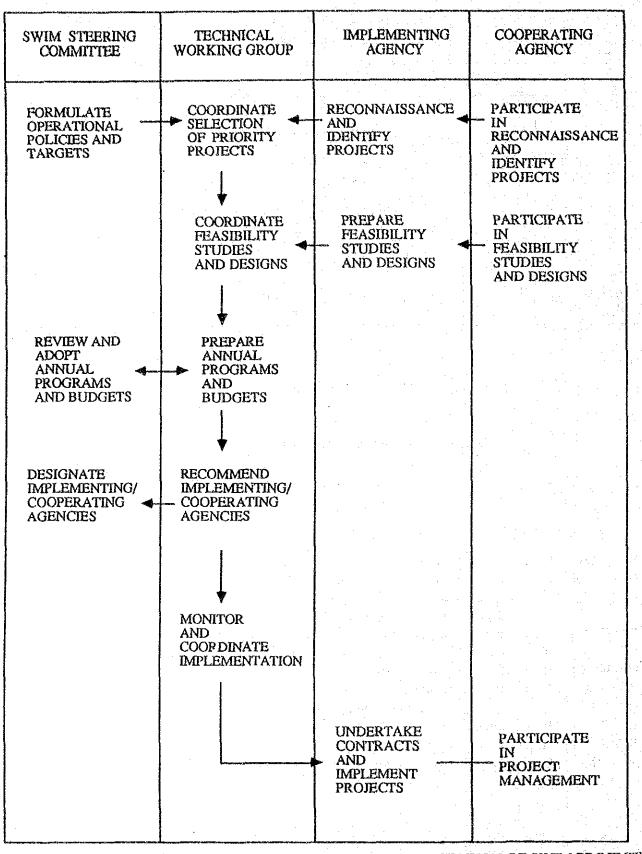
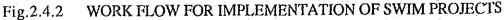
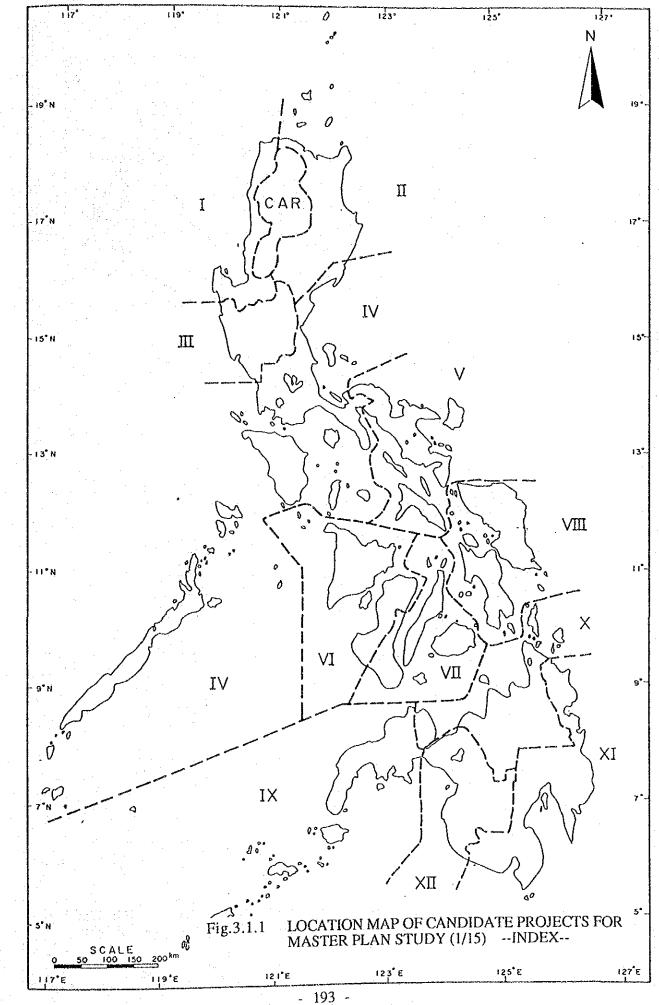


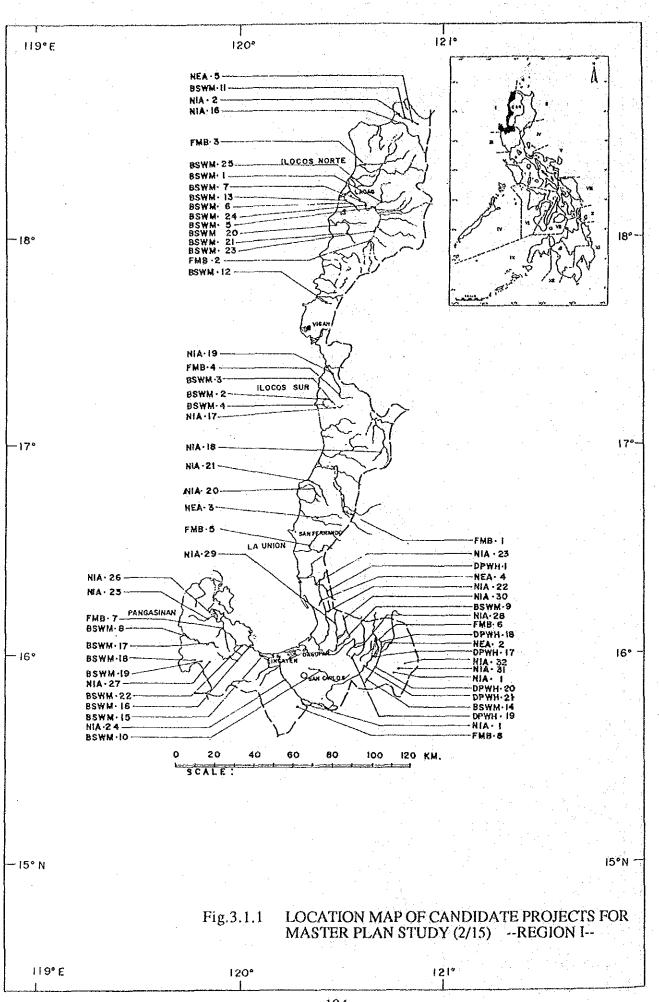
Fig.2.4.1 ORC ANIZATIONAL SET-UP FOR SWIM PROJECTS

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