SWIM PROJECT PROFILE	File No. : 61
Regist. No.: Name: Agency No.: NIA-107 BORACAN SWIMP	
The second secon	
11100-1100	nicipality:
prosent Status: () Pro-F/S(1989) 2. F/S	USON S( ) 3. D/D( )
rosent status. (1)	οι <i>γ</i> δ. υ/υ( )
urpose: Major : Irrigation	
Incidental : IF, FC, WM	
Project Feature:	The state of the s
Dam : Dam Type	: ZONED EARTHFILL
Dam Height	: 12 n
Effective Storage Capaci	
Embankment Volume Design Flood Discharge	: 28,000 m3
	: 70 m3/sec.
R. Irrigation : Irrigation Area B. Mini-hydropower : Installed Capacity	: 80 ha : - kW
1. Watershed Man. : Watershed Protection Are	
5. Water Supply : Design Supply Capacity	: "m3/day
6. Inland Fishery : Annual Production	27 ton/year
i inzana i zanazy	z. vong your
,	
Planning Feasibility study shall be conducted.	
3. Design Detailed design is not conducted.	
. Operation and Maintenance	
Not studied.	
und Requirement:(1,000 Pesos)	Project Evaluation:
Review : 0	EIRR : 19.8 %
Feasibility Study : 197	The state of the s
Detailed Design : 393	Priority Rating:
Construction :	Group : B
Dam : 5,766	Implementation Cabadulas
Irrigation : 1,936	Implementation Schedule: Review:
Mini-Hydropower : 0	F/S : 1995
Water Supply : 0 Watershed Protection : 3,220	D/D : 1995
' ^ ·	Construction: Jul. 1996; 9 months
Grand Total : 11,512	Onso of de of other of the same a sequence

Layout:	
	·
Typical Dam Section:	
60	
<u>د 50</u>	Çof Dom
₹ <u>40</u>	
s The second of	5.00 -     1.17   Top of Doin E1, 30.00
§ 30 ₩ N.W.S EI. 27.50 (3) (2)	The same of the sa
***   1   1   1   1   1	LEGEND.
10 / 1 / 1 /	1 Imparvious Core
	(2) Cand and Gravel Filler
Original Ground Surface	2) Sand and Gravel Filler Stripping (3) Random Fill
Original Ground Surface  Cut-off Trench	Stripping (3) Rondom Fill
Original Ground Surface  Cui-off Tranch  MAXIMUM SECTION O	Stripping  3 Rendom Fill  F DAM EMBANKMENT  4 Dumped Boulder
Original Ground Surface  Cui-off Tranch  MAXIMUM SECTION O	Stripping (3) Rondom Fill
Original Ground Surface  Cui-off Trench  MAXIMUM SECTION O  Scale	Stripping  3 Rendom Fill  F DAM EMBANKMENT  4 Dumped Boulder
Original Ground Surface  Cui-off Tranch  MAXIMUM SECTION O	Stripping  3 Rendom Fill  F DAM EMBANKMENT  4 Dumped Boulder
Original Ground Surface  Cui-off Trench  MAXIMUM SECTION O  Scale  Profile of Dam Axis:	Stripping  3 Rondom Fill  F DAM EMBANKMENT  1: 1000 M
Original Ground Surface  Cui-off Tranch  MAXIMUM SECTION O  Scale  Profile of Dam Axis:	Stripping  3 Rendom Fill  F DAM EMBANKMENT  4 Dumped Boulder
Original Ground Surface  Cut-off Tranch  MAXIMUM SECTION O  Scale  Profile of Dam Axis:	Stripping  3 Rondom Fill  4 Dumped Boulder  1: 1000 M  4 Of Spiliway  (W = 8 m)  Ogee Crest
Original Ground Surface  Cut-off Tranch  MAXIMUM SECTION O  Scale  Profile of Dam Axis:	Stripping  (3) Rondom Fill  (4) Dumped Boulder  (5) 1000 M  (a) of Spiliway (W=8 m)  Ogec Crest (B) 27.50
Original Ground Surface  Cut-off Tranch  MAXIMUM SECTION O  Scale  Profile of Dam Axis:	Stripping  (3) Rondom Fill  (4) Dumped Boulder  (5) 1000 M  (a) of Spiliway (W=8 m)  Ogec Crest (B) 27.50
Original Ground Surface  Cut-off Trench  MAXIMUM SECTION O  Scale  Profile of Dam Axis:	Stripping  (3) Rondom Fill  (4) Dumped Boulder  (5) 1000 M  (a) of Spiliway (W=8 m)  Ogec Crest (B) 27.50
Original Ground Surface  Cui-off Trench  MAXIMUM SECTION O Scale  Profile of Dam Axis:  Original Ground Surface Top of Dam El. 30.00	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (8 m)  Ogec Crest El, 27.50
Original Ground Surface  Cut-off Trench  MAXIMUM SECTION O Scale  Profile of Dam Axis:  Original Ground Surface  Top of Dam El. 30.00  Stripping  Stripping	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (a) Colored Fill  (b) Colored Fill  (c) Cul-off Trench Excovation
Profile of Dam Axis:  Original Ground Surface  Profile of Dam Axis:  Original Ground Surface  Top of Dam El. 30.00  Stripping	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (W = 8 m)  Ogee Crest El, 27.50  Cul-off Trench Excavation  0+060 0+070 0+080 0+090 0+100 0+110 0+120
Profile of Dam Axis:  Original Ground Surface  MAXIMUM SECTION O Scale  Profile of Dam Axis:  Original Ground Surface  Top of Dam El. 30.00  Stripping  On the stripping of the	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1; 1000 M  (w = 8 m)  Ogee Crest  El, 27.50  Cut-off Trench Excovation  0+060 0+070 0+080 0+090 0+100 0+110 0+120  Meters
Profile of Dam Axis:  Original Ground Surface  MAXIMUM SECTION O  Scale  Profile of Dam Axis:  Top of Dam El. 30.00  Siripping  Original Ground Surface  Top of Dam El. 30.00  Siripping  Siripping  Siripping  Siripping  Siripping	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (a) Spillway  (w = 8 m)  Ogec Crest  F1, 27.50  Cut-off Trench Excovation  0+060 0+070 0+080 0+090 0+100 0+110 0+120  Meters  RLINE OF DAM
Profile of Dam Axis:  Original Ground Surface  Scale  Profile of Dam Axis:  Original Ground Surface  Top of Dam El. 30.00  Stripping  O-010 0+000 0+010 0+020 0+030 0+040 0+050  Station in  PROFILE ON CENTE  Scale 1:5	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (W = 8 m)  Ogec Crest El, 27.50  Cul-off Trench Excavation  0+060 0+070 0+080 0+090 0+100 0+110 0+120  Meters  RLINE OF DAM  00 M
Profile of Dam Axis:  Original Ground Surface  Scale  Profile of Dam Axis:  Original Ground Surface  Top of Dam El. 30.00  Stripping  O-010 0+000 0+010 0+020 0+030 0+040 0+050  Station in  PROFILE ON CENTE  Scale 1:5	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (W = 8 m)  Ogec Crest El, 27.50  Cul-off Trench Excavation  0+060 0+070 0+080 0+090 0+100 0+110 0+120  Meters  RLINE OF DAM  00 M
Profile of Dam Axis:  Original Ground Surface  Scale  Profile of Dam Axis:  Top of Dam El. 30.00  Stripping  Original Ground Surface  Top of Dam El. 30.00  Stripping  PROFILE ON CENTE  Scale 1: 5	Stripping  (3) Rondom Fill  (4) Dumped Boulder  1: 1000 M  (W = 8 m)  Ogec Crest El, 27.50  Cul-off Trench Excavation  0+060 0+070 0+080 0+090 0+100 0+110 0+120  Meters  RLINE OF DAM  00 M

SWIM PROJECT PROFILE File No.: 62	William Charles And Control of Control	Layout:
Regist.No.: Name: Agency No.: NIA-108 PINANGAKOGAN SWIMP	residente di 1900 de 1	
Region: Province: Municipality:	Market Carameter grippy and a market product that the second against any against	
5 MASBATE USON		
Present Status: (1) Pre-F/S(1989) 2. F/S( ) 3. D/D( )		
Purpose: Major : Irrigation Incidental : IF, FC		
Project Feature:		
1. Dam : Dam Type : ZONED EARTHFILL		
Dam Height : 30 Effective Storage Capacity : 14,066,000	m m3	
Embankment Volume : 143,000	m3	
Design Flood Discharge : 185 2. Irrigation : 185	m3/sec. ha	
Mini-hydropower: Installed Capacity :	kW	
I, Watershed Man. : Watershed Protection Area : 0	ha	
5. Water Supply : Design Supply Capacity : - 6. Inland Fishery : Annual Production : 317	m3/day ton/year	Typical Dam Section
	bony your	50
Technical Assessment: 1. Survey and Investigation:		2 40
Detailed survey and investigation are not conducted.		£ 30
	:	<u>c</u> 20
		5
		m 70
ni .	•	
'. Planning	·	
Feasibility study shall be conducted.		
· · · · · · · · · · · · · · · · · · ·	The state of the s	
· ·		
Feasibility study shall be conducted.  B. Design		Profile of Dam Avi
Feasibility study shall be conducted.		Profile of Dam Axi
Feasibility study shall be conducted.  B. Design		50
Feasibility study shall be conducted.  3. Design		50 45 Oge
3. Design		45 Oged 40 Elev
Feasibility study shall be conducted.  B. Design Detailed design is not conducted.		45 Oge 40 Elev
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.		45 Oged 40 Elev
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.	i on :	45 Oge 40 Elev
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Project Evaluation Review  Project Evaluation Studies  Review  Project Evaluation Studies  EIRR  Project Evaluation Studies  Review  Project Evaluation Studies  EIRR	ion: 25.2 %	40 Oged Siev 35 W 30 C C
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  5. Project Evaluation and Requirement: (1,000 Pesos) Review Revi	25.2 %	45 Oge 40 Elev
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ond Requirement: (1,000 Pesos) Review : 0 EIRR : Feasibility Study : 764 Detailed Design : 1,529 Priority Rating:	25.2 %	50 45 40 Elev 50 60 25 20 15
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  5. Project Evaluation in the study	25.2 % A	50 45 40 Elev 50 60 50 50 50 50 50 50 50 50 50 5
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) Review:  6. Feasibility Study:  764  7. Detailed Design:  7. Construction:  7. Dam: 1. Construction:  8. Detailed Design: 1. 529 1. Construction:  8. Detailed Design: 1. Separation: 1. Separat	25.2 % A	50 45 40 Elev 30 50 25 20 15
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) Review: 0 EIRR: 2. Feasibility Study: 764 3. Detailed Design: 1,529 Priority Rating: Group: Dam: 28,309 Irrigation: 6,051 Implementation Study: Note of the conducted.	25.2 % A Schedule:	30 So 25 So 20 So
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  5. Fund Requirement: (1,000 Pesos) 1. Review : 0 EIRR : 1. Feasibility Study : 764 1. Detailed Design : 1,529 Priority Rating: 1. Construction : Group : 1. Dam : 26,309 1. Irrigation : 6,051 Implementation Study : 764 Mini-Hydropower : 0 Review : 764 Water Supply : 0 F/S : D/D	25.2 % A Schedule: 1993 1993	30 Se 25 Se 20 Se
Feasibility study shall be conducted.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  5. Fund Requirement: (1,000 Pesos) Review: C. Feasibility Study: 764 C. Feasibility Study: 764 C. Detailed Design: 1,529 Construction: Group: Dam: 26,309 Irrigation: 6,051 Mini-Hydropower: 0 Water Supply: 0 F/S:	25.2 % A Schedule:	45 Ogee Elev. 13

	Layout:
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<u> </u>	
į	mantal Nam Castina
	Typical Dam Section:
	6.00
	Top of Dam El. 41.00
	<u>c</u> 30
:	20 (3) (2) (10) MANUEL (10) (10) (10) (10) (10) (10) (10) (10)
<u> </u>	10 A THE TOTAL PROPERTY OF THE PARTY OF THE
·	Original Ground Surface  Cut-off Trench  Stripping  LEGEND  (1) Impervious Core
	(2) Sand and Gravet Filter
	MAXIMUM SECTION OF DAM EMBANKMENT (3) Random Fill
	Scale 1: 1000 M  ① Dumped Boulder
	Profile of Dam Axis:
	The state of the s
	45 Cot Spillwo   Lw=20 m   Opee Crest   Opee
	40 Ogee Crest   CTop of Dam El. 41.00
	Cut-off Trench
	20 CEVELIAN CONTRACTOR OF THE
	. Stripping
	10 0-040 0-030 0-020 0-010 0+000 0+010 01020 0+030 0+060 0+070 01080 0+090 01100 0+110
	PROFILE ON CENTERLINE OF DAM
	Scale 1:500 M
	Note:
	Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be at least more than 100 years.
	impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be

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SWIM PROJECT PROFILE	File No. : 63
Name:	00
Regist. No.: Name: IBINGAN SWIP	
Region: Province: Munici	pality:
5 SORSOGON	PRIETO-DIAZ
resent Status: 1 Pre-F/S(1989) 2. F/S(	) 3. D/D( )
Purpose: Major : Irrigation Incidental : IF, FC	
roject Feature:	
. Dam : Dam Type	: ZONED EARTHFILL
Dam Height	30 m
Effective Storage Capacity	: 1,460,000 m3
Embankment Volume	: 172,000 m3
Design Flood Discharge	: 86 m3/sec.
. Irrigation : Irrigation Area	: 460 ha
. Mini-hydropower : Installed Capacity	: kW
. Watershed Man. : Watershed Protection Area	: 238 ha
. Water Supply : Design Supply Capacity Inland Fishery : Annual Production	: - m3/day
. Inland Fishery : Annual Production	: 29 ton/year
. Survey and Investigation:  Detailed survey and investigation are not con	nducted.
, Planning	
Feasibility study shall be conducted.	
. Design	
Detailed dsign is not conducted.	
. Operation and Maintenance	
Not studied.	
1.0	Davids Postartias
und Requirement: (1,000 Pesos)	Project Evaluation: EIRR : 17.1 %
Review : 0	EIRR : 17.1 %
Feasibility Study : 911	Priority Rating:
Detailed Design : 1,822 : Construction :	Group : A
	Arouh " "
. 20,030	Implementation Schedule:
Irrigation : 11,134 Mini-Hydropower : 0	Review : -
	F/S : 1991
Water Supply . 0	1 1/3
Water Supply : 0 Watershed Protection : 6 379	
Water Supply : 0 Watershed Protection : 6,379 Grand Total : 43,764	1 - 1 -

63	Layout:
The second secon	
micipality:	
PRIETO-DIAZ /S( ) 3. D/D( )	
ZONED PLEASURY	
: ZONED EARTHFILL : 30 m	
city: 1,460,000 m3	
: 172,000 m3 : 86 m3/sec.	
: 460 ha	
: - kW rea : 238 ha	
: - m3/day	Typical Dam Section:
: 29 ton/year	of Dam
	600
ot conducted.	50 N.W.S El. 45.00 Top of Dam El. 48.00
	S
	30 (2 - 1) - (2) (3) (4) (4) (5) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6
	20 ESTATISTICAL ES
	() Impervious Core
	(2) Sond and Bravel Filter  MAXIMUM SECTION OF DAM EMBANKMENT (3) Rondom FIII
	Scale ,1: 1000 H (4) Dumped Boulder
	Profile of Dam Axis:
	Gaf Spillwayz (W = 10,m)2-
	Original Ground Surface Ogge Crest
	90 Man Li. 10.00 J
	<u>ε</u> 30
Project Evaluation:	Stripping  Stripping  Cut off Trench Excavation
EIRR : 17.1 %	
Priority Rating:	0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320
Group : A	PROFILE ON CENTERLINE OF DAM
Implementation Schedule:	Scale 1:1000 M
Review : - F/S : 1991	Note:
D/D : 1991	Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatments width of impervious zone share of core trench necessity of
Construction: Jul. 1992; 21 months	Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be at least more than 100 years.

SWIM PROJECT PR	OFILE	File No. : 64	de This year on the Control of the C	-		L
Regist. No.: Name:	ika mani menjangan pada melaman dipunyang di di kemalah dipundan menjang penjangan kemalagang me	Andrew Stranger and Stranger an		<del></del>		
Agency No.: NIA-112 BAGA	SICO SWIP					
Region: Province:	Municipa	lity:				
d ROHOL		UNTAGA, ALICIA	-			
Present Status: 1 Pre-F/S(198	9) 2. F/S(	) 3. D/D( )				
Purpose: Major : Irrigatio	n		778 TO SEC. 100 100 100 100 100 100 100 100 100 10	**************************************		1
Incidental : IF, FC						
Project Feature:	- Can Tolk William Control of the Co		The state of the s			
1. Dam : Dam Type	:	ZONED EARTHFILI	•			
Dam Height		19	n .			
Entective S Embankment	torage Capacity :	2,364,000	m3		•	
-:	d Discharge :	42,000 280	m3 m3/sec.		1	
2. Irrigation : Irrigation		400	mo/sec. ha			
3. Mini-hydropower: Installed C		700	kW			
4. Watershed Man. : Watershed P	rotection Area :	A 0	ha	4		
5. Water Supply : Design Supp			m3/day			T
6. Inland Fishery : Annual Prod		83	ton/year			1,13
Technical Assessment:				,	•	
1. Survey and Investigation:						1
Detailed survey and investig	ation are not cond	ucted.				į
•						
	•				1	
	·					
	4					
2. Planning						
Feasibility study shall be c	onducted.	· ·				
•						1
	•	r			•	
3. Design				٠		Pı
Detailed design is not condu	cted.					
	•					
				: 1		
		•		-		
4. Operation and Maintenance						
Not studied.					1.	1
	en e	aga a sa				
Fund Requirement: (1,000 Pesos)	and the second seco	Project Evaluat				
1 Review :	0	EIRR :	20.0 %			
2. Feasibility Study :	808	A				
3. Detailed Design :	1,616	Priority Rating				
4. Construction :	0.5 0.70	Group :	A			
Dam :	21,678	Implementation	Schedule:			
Irrigation :	9,682	Review :		:		<b></b>
Mini-Hydropower :	0	F/S :	1992		in ear	No
Water Supply : Watershed Protection :	0	D/D	1992		2 8 3	
5. Grand Total :	33,784	Construction:	Jul. 1993;9 mont	lıs		
	00,102	1				1

		Layout:
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africanianamentaria arcententia mala appropriata de la companya de la companya de la companya de la companya d		
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The state of the s		
eri.		
m m3		
m3 m3		
m3/sec. ha	1.	
kW		
ha m3/day		Montan I. Dan Goottan
ton/year		Typical Dam Section:
42-AHHARAN 2341-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		d OF DAM
		60 80
		50
		RIFRAP ON V HWS 37.50
		0 30 The state of
		20 DEIGHAL GROUND SURFACE LEGEND
		ASSUMED BEDROCK -CUT-OFF STRIPPING IMPERVIOUS CORE
		(2) SARU AND GRAVEL THE
		MAXIMUM SECTION OF DAM EMBANICMENT (3) RANDON FILE
		Profile of Dam Axis:
		SE personne de la companyación d
		OF SPILLWAY (W:33M)
		oge crest
		5 40 The state of
		l lilian and annual type and the state of th
on: 20.0 %		STRIPPING - CUT-OFF TRENCH EXCAVATION
		20 0+010 0+030 0+040 0+080 0+080 0+090 0+000 0+100 0+110 0+130 0+130 0+140 0+150 0+160
<b>A</b>		STATION IN NETERS
<b>A</b>		PROFILE ON CENTERLINE OF DAM  SCALE 1:800 M
chedule:		SVALE 1:800 M
1992		Note:
1992 Jul. 1993;9 months		Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage.
our. 1000;8 MONUIS		magerylous planker, would be decided through F/S, D/D stage.
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SWIM PROJECT PROFILE	File No. : 65
egist. No.: Name: BONOT-BONOT SWIP	
Province: Munici	ipality;
egion: Province: Munici 7 BOHOL	BUENAVISTA
resent Status: (1) Pre-F/S(1989) 2, F/S(	) 3. D/D( )
urpose: Major : Irrigation Incidental : IF, FC, WM	
roject feature:	TO VICE THE PROPERTY OF THE PR
Dan : Dan Type	: ZONED EARTHFILL
Dam Height Effective Storage Capacity	: 30 m : 11,693,000 m3
Embankment Volume	: 11,693,000 m3 : 105,000 m3
Design Flood Discharge	: 170 m3/sec.
	300 ha
Irrigation : Irrigation Area Mini-hydropower : Installed Capacity	- kW
Watershed Man. : Watershed Protection Area	: 680 ha
Water Supply : Design Supply Capacity	: m3/day
Inland Fishery : Annual Production	: 277 ton/year
Detailed survey and investigation are not co	
Planning Feasibility study shall be conducted.	
Feasibility study shall be conducted.	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design	
Pessibility study shall be conducted.  Design Detailed design is not conducted.	
Design Detailed design is not conducted.  Operation and Maintenance	
Pesign Detailed design is not conducted.	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  One Requirement: (1,000 Pesos)	Project Evaluation: EIRR : 27.5
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review: 0	Project Evaluation:
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576	Project Evaluation: EIRR : 27.5 Priority Rating:
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576	Project Evaluation: EIRR : 27.5
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576 Construction : 25,536	Project Evaluation: EIRR : 27.5  Priority Rating: Group : A
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576 Construction : 25,536 Irrigation : 7,261	Project Evaluation: EIRR : 27.5  Priority Rating: Group : A  Implementation Schedule:
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576 Construction : 25,536 Irrigation : 7,261 Mini-Hydropower : 0	Project Evaluation: EIRR : 27.5  Priority Rating: Group : A  Implementation Schedule: Review : -
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ound Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576 Construction : 25,536 Irrigation : 7,261 Mini-Hydropower : 0 Water Supply : 0	Project Evaluation: EIRR : 27.5  Priority Rating: Group : A  Implementation Schedule: Review :
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 788 Detailed Design : 1,576 Construction : 25,536 Irrigation : 7,261 Mini-Hydropower : 0	Project Evaluation: EIRR : 27.5  Priority Rating: Group : A  Implementation Schedule: Review : -

Layout:
Mark 1 3 District Assets
Typical Dam Section:
6.00
TOP OF DAM EL. 4000
₩ 40 V N.W.S. EL. 3750
2 30- RIPRAP ON 15 25
COAUTS DEDNIIG
(3) (2) (3)
20 20 3 (2) (2) (3) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
0 ORIGINAL GROUND COMMINICATION OF THE STATE OF THE
ASSUMED BEDROCK CUT-OFF TRENCH EXCAVATION (1) IMPERVIOUS CORE
MAXIMUM SECTION OF DAM EMBANKMENT (2) SAND AND GRAVEL FILTER
SCALE 1:1,000 M
(3) RANDOM FILL
Profile of Dam Axis:
(M. 50 II)
ORIGINAL GROUND SURFACE OGEE CREST EL. 37.50
TOP OF DAIL EL. 40.00  Z 30  CUT- OFF TRENCH EXCAVATION  STRIPPING
2 30
ž 20
CUT- OFF TRENCH EXCAVATION
u 10 stripping
0-040 0-020 0+000 0+020 0+060 0+060 0+080 0+100 0+120 0+140 0+160 0+160 0+200
STATION III METERS
PROFILE ON CENTERLINE OF DAM
SCALE 1:1,000 N
Note:
Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be at least more than 100 years.
impervious blanket, would be decided through F/S. D/D stage. Magnitude of design discharge should be
at least more than 100 years.

THE SECOND STATE OF THE SE		
SWIM PROJECT	PROFILE	File No. : 66
Regist.No.: Name Agency No.: NIA-120	: CALUNASAN SWIP	
Region: Province:		ipality:
7 30	HOL 2006	CALAPE
Present Status: (1) Pre-F/S	(1989) 2. F/S(	) 3, D/D( )
Purpose: Major : Irrig Incidental : IF,	ation FC, WM	
Project Feature:	and the state of t	COMP. DEPONDED
1. Dam : Dam Typ Dam Hei		: ZONED EARTHFILL : 30 m
	ve Storage Capacity	
	ent Volume	: 78,000 m3
3	Flood Discharge	: 61 m3/sec.
. Irrigation : Irrigat		100 ha
Mini-hydropower : Install	ed Capacity ed Protection Area	: - kW : 120 ha
	Supply Capacity	
	Production	: 21 ton/year
. Survey and Investigation: Detailed survey and inve	stigation are not co	onducted.
	•	
, Planning		
Feasibility study shall	be conducted.	
•		
. Design		
Detailed design is not c	onducted.	
<ul> <li>Operation and Maintenance Not studied.</li> </ul>	•	
und Requirement: (1,000 Peso	s)	Project Evaluation:
Review	: 0	EIRR : 14.2 %
. Feasibility Study	322	Priority Rating:
Detailed Design Construction	: 645	Group : A
Dan	; 9,947	
Irrigation	2,420	Implementation Schedule:
Mini-Hydropower	: 0	Review : - 1993
Water Supply	: 0	F/S : 1993 D/D : 1993
Watershed Protection 5. Grand Total	; 3,220 : 16,555	Construction: Jul, 1994; 12 mont
- orang 19681	. 10,000	

Layout:
Typical Dam Section:  OF DAM
RIPRAP ON GRAVEL BEDDING 15 15 16 25 1
MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1:1,000 M  LEGEND  (1) IMPERVIOUS CORE  (2) SAND AND GRAVEL FILTER  (3) RANDOM FILL
Profile of Dam Axis:  OF SPILLWAY (W* 8 M)  OGE F COEST ORIGINAL GROUND SURFACE—
TOP OF DAM EL. 57.00  STRIPPING  CUT-CFF TRENCH EXCAVATION
# 20 01000 0+020 0+040 0+060 0+080 0100 0+120 0+140 0160 0+180 01200 0+220 0+240 01200 0+260 0+260 PROFILE ON CENTERLINE OF DAM
Note:  Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be at least more than 100 years.

SWIM PROJECT PROFILE	File No. : 67
ogist.No.: Name: Mame: MANDAUG SWIP	
gion: Province: Municip	pality:
7 BOHUL	CALAPE
esent Status: (1) Pre-F/S(1989) 2. F/S(	) 3, D/D( )
rpose: Major : Irrigation Incidental : IF, FC, WM	
oject Feature: Dam : Dam Type	: ZONED EARTHFILL
Dam Height	30 m
Effective Storage Capacity Embankment Volume	: 1,122,000 m3 : 104,000 m3
Design Flood Discharge	: 650 m3/sec.
Irrigation : Irrigation Area	: 140 ha
Mini-hydropower : Installed Capacity Watershed Man. : Watershed Protection Area	: - k\\ : 157 ha
Water Supply : Design Supply Capacity	. 137 lia - m3/day
Inland Fishery : Annual Production	: 21 ton/year
. Planning	
Feasibility study shall be conducted.	
Design Detailed design is not conducted.	
populied design is not conducted.	
Operation and Maintenance Not studied.	
und Requirement:(1,000 Pesos)	Project Evaluation:
Review : 0	EIRR : 13.0 %
Feasibility Study : 455 Detailed Design : 911	Priority Rating:
Construction :	Group : B
Dam : 14,021	Implementation Schedule:
Irrigation : 3,389 Mini-Hydropower : 0	Review :
Water Supply : 0	F/S : 1995
Watershed Protection : 4,206	D/D : 1995 Construction: Jul. 1996; 12 months
. Grand Total : 22,982	Construction: Jul. 1896; 12 months

Municipality: CALAPE 2. F/S( ) 3. D/D( )	
2. F/S( ) 3. D/D( )	
2. F/S( ) 3. D/D( )	
N	
: ZONED EARTHFILL : 30 m	
rage Capacity : 1,122,000 m3 lume : 104,000 m3	
Discharge : 650 m3/sec.	
ea : 140 ha acity : - kW	
tection Area : 157 ha Capacity : m3/day	
tion : 21 ton/year	Typical Dam Section:
	of DAM
ion are not conducted.	8.00 LEGEND  1 7 TOP OF DAM EL.46.00
	1) IMPERVIOUS CORE
	2 SAND AND GRAVEL FILTER  SQUEL BEDDING  RIPRAP ON  SQUEL BEDDING  RANDOM FILL  RANDOM FILL
	10— Manual 10 (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	O ORIGINAL GROUND SURFACE
ducted.	ASSUMED BEDROCK CUT-OFF TRENCH EXCAVATION
	MAXIMUM SECTION OF DAM EMBANKMENT SCALE 1:1,000 M
	Profile of Dam Axis:
.ed.	
	TOP OF DAM EL 45 00 TOP OF DAM EL 45 00 ROADWAY
Day I am I	CUT-OFF TRENCH EXCAVATION
Project Evaluation: 0 EIRR : 13.0 %	\$TRIPPING \$TRIPPING \$1000 0+080 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+260
455 911 Priority Rating:	
Group : B	PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M
14,021 3,389 Implementation Schedule:	GURLE 1. IJOUU M
0 Review : 1995	Note: Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological
4,206 22,982 D/D : 1995 Construction: Jul. 1996;12 months	Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be at least more than 100 years.
	at least more than 100 years.

SWIM PROJECT PROFILE	File No. : 68	
The state of the s	08	والمستوانية والمستوار
Regist. No.: Name: Agency No.: NIA-122  ABEJILAN SWIP		
	pality:	gaministratūris milatorisma, ir ils 1944. Alabai maradystas propins ir inspiratorisma par iš 196
7 BOHOL	CANDIJAY	
Present Status: (1) Pre-F/S(1989) 2. F/S(	) 3. D/D(	)
Purpose: Major : Irrigation		
Incidental : IF, FC, WM		
Project Feature:		<del>Bi-Call Mahadia, gapa can kepina kalah peripiran kilapitan di bibi mihan penganbaga peripapa dan</del>
1. Dam : Dam Type	: ZONED EARTHFI	LL
Dam Height	30	m
Effective Storage Capacity	•	m3
Embankment Volume	: 102,000	m3
Design Flood Discharge	: 34	m3/sec.
2. Irrigation : Irrigation Area	: 30	ha
3. Mini-hydropower : Installed Capacity	t an	k₩
4. Watershed Man. : Watershed Protection Area	: 55	ha
5. Water Supply : Design Supply Capacity	<u></u>	m3/day
S. Inland Fishery : Annual Production	: 5	ton/year
	onducted.	
	mauctea.	
	mauctea,	
	mauctea,	
2. Planning	mauctea,	
2. Planning EIRR is less than 10 %.	mauctea,	
EIRR is less than 10 %.	mauctea,	
	mauctea,	
EIRR is less than 10 %.	mauctea,	
EIRR is less than 10 %.	nrauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.	mauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design	nrauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design	nauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design	rauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design	rauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.	rauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design	rauctea,	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance		
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)	Project Evalu	
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) I Review : 57		ation: -0.8 %
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Review : 57 2. Feasibility Study : 413	Project Evalu EIRR :	-0.8 %
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 57  2. Feasibility Study : 413  3. Detailed Design : 825	Project Evalu EIRR : Priority Rati	-0.8 %
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 57  2. Feasibility Study : 413  3. Detailed Design : 825  4. Construction :	Project Evalu EIRR :	-0.8 %
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Review : 57 2. Feasibility Study : 413 3. Detailed Design : 825 4. Construction : Dam : 14,865	Project Evalu EIRR : Priority Rati Group :	-0.8 % ng: B
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  I Review : 57  2. Feasibility Study : 413  3. Detailed Design : 825  4. Construction : Dam : 14,865 Irrigation : 726	Project Evalu EIRR : Priority Rati Group : Implementatio	-0.8 % ng: B n Schedule:
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 57  2. Feasibility Study : 413  3. Detailed Design : 825  4. Construction : 14,865   Irrigation : 726   Mini-Hydropower : 0	Project Evalu EIRR: Priority Rati Group: Implementatio Review:	-0.8 % ng: B n Schedule: 1993
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  I Review : 57  2. Feasibility Study : 413  3. Detailed Design : 825  4. Construction : 14,865 Irrigation : 726 Mini-Hydropower : 0 Water Supply : 0	Project EvaluEIRR: Priority Rati Group: Implementatio Review: F/S:	-0.8 % ng: B n Schedule: 1993 1998
EIRR is less than 10 %. Project planning shall be re-formulated.  3. Design Detailed design is not conducted.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 57  2. Feasibility Study : 413  3. Detailed Design : 825  4. Construction : 14,865   Irrigation : 726   Mini-Hydropower : 0	Project Evalu EIRR: Priority Rati Group: Implementatio Review:	-0.8 % ng: B n Schedule: 1993 1998 1998

		Layout:
معادية والاستعمار المطبيق المستعددية والمراب المراب أوراب أوراب المستعدد والمراب المستعدد والمراب المستعدد والم		
والمتعادم والمراوي والمتعارض والمتوارث والموارد والمتعارض والمتعارض والمتعارض والمتعارض والمتعارض والمتعارض والمتعارض		
مند سعوان بالدور و المار و الم		
والمراجعة		
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m3/day		Tipinal Des Continu
ton/year		Typical Dam Section:
		C OF DAM
		۷ ۱۵۵ 6.00
		TOP OF DAM EL 90.00
		W H.W.S. EL. 87.00
		2 80 - RIPRAP ON CRAVEL FILTER  GRAVEL BEDDING  15 25 3 BANDON FILE
		TO TO GRAVEL BEDDING 3 (3) RANDON FILL (3) RANDON FILL
		STRIPPING .
		ASSUMED BEDROCK CUT-OFF TRENCH EXCAVATION
	]	the state of the s
•		MAXIMUM SECTION OF DAM EMBANKMENT
		SCALE 1.1000 M
		Profile of Dam Axis: prepuliway
		Profile of Dam Axis: of spillway
		Profile of Dam Axis: of spillway  (W=5M)  OGEE CREST ORIGINAL GROUND SURFACE  EL.87.00  ORIGINAL GROUND SURFACE
		Profile of Dam Axis: of spillway  (W=5M)  OGEE CREST ORIGINAL GROUND SURFACE  EL.87.00  ORIGINAL GROUND SURFACE
		Profile of Dam Axis: of spillway  OGEE CREST ORIGINAL GROUND SURFACE  TOP OF DAM EL. 90.00
		Profile of Dam Axis: OF SPILLWAY  OSEE CREST EL.87.00  TOP OF DAM EL. 90.00
		Profile of Dam Axis: OF SPILLWAY  OSEE CREST EL.87.00  TOP OF DAM EL. 90.00
ion:		Profile of Dam Axis: (pf spillway  OGE CREST ORIGINAL GROUND SURFACE  TOP OF DAM EL. 90.00  TO  STRIPPINS  STRIPPINS
tion: -0.8 %		Profile of Dam Axis: OF SPILLWAY  (W-5M)  OGEE CREST EL.B7.00  TOP OF DAM EL.90.00  STRIPPING  CUT-OFF TRENCH EXCAVATION
-0.8 %		Profile of Dam Axis: OF SPILLWAY  OGE CREST ORIGINAL GROUND SURFACE  TOP OF DAM EL. 90.00  TOP OF TRENCH EXCAVATION
-0.8 %		Profile of Dam Axis: OF SPILLWAY  (W-5M)  OGEE CREST EL.B7.00  TOP OF DAM EL.90.00  STRIPPING  CUT-OFF TRENCH EXCAVATION
-0.8 % 5: B		Profile of Dam Axis: OF SPILLWAY    100
-0.8 % B Schedule:		Profile of Dam Axis: prsphllway    100
-0.8 % B Schedule: 1993 1998		Profile of Dam Axis: OF SPILLWAY  OOEE CREST ORIGINAL GROUND SURFACE  EL. 57.00  TOP OF DAM EL. 90.00  STRIPPINO  STRIPPINO  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M.  Noto:
-0.8 % B Schedule: 1993 1998 1998		Profile of Dam Axis: OF SPILLWAY  OOEE CREST ORIGINAL GROUND SURFACE  EL. 57.00  TOP OF DAM EL. 90.00  STRIPPINO  STRIPPINO  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M.  Noto:
-0.8 % B Schedule: 1993 1998		Profile of Dam Axis: OF SPILLWAY  OOEE CREST ORIGINAL GROUND SURFACE  EL. 57.00  TOP OF DAM EL. 90.00  STRIPPINO  STRIPPINO  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M.  Noto:
-0.8 % B Schedule: 1993 1998 1998		Profile of Dam Axis: PFSPILLWAY  OGE CREST ORIGINAL GROUND SURFACE  FILEBROO TOP OF DAM EL 90.00  STRIPPINS  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1:1,000 M.
-0.8 % B Schedule: 1993 1998 1998		Profile of Dam Axis: OF SPILLWAY  OGE CREST ORIGINAL GROUND SURFACE  EL. 57.00  TOP OF DAM EL. 90.00  STRIPPINO  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1:1,000 M.

SWIM PROJECT PR	OFILE	F	ile No. : 69	And the second s
Rogist. No.: Name:	Parlamenta mini Panistan Schampfersterm age flyd fed triffyd fer refnynn gant oeil engel ingelef Sonia bened			the state of the s
Agency No.: NIA-128 LUNG	GSODA-AN SWIP			The second secon
Region: Province:	Munic			A STATE OF THE PARTY OF THE PAR
7 BOHOL Pre-F/S(198	39) 2, F/S(	GA Y	NDIJAY 3. D/D(	Contract to the second
Present Status: (1) Pre-F/S(198		. /	ט, טוע (	
Purpose: Major : Irrigatio	the state of the s	-		
Incidental : IF, FC,	WM			
Project Feature:				- Takat kanangan dan salah
. Dam : Dam Type		:	ZONED EARTHFII	<b>L</b>
Dam Height	34	<b>:</b>	9	M
Elfective 2 Embankment	Storage Capacity		277,000	m3 m3
	od Discharge	• • • • • • • • • • • • • • • • • • •	8,100 23	m3/sec.
		•	30	ha
. lrrigation : lrrigation . Mini-hydropower : Installed (		•	30	kW
. Watershed Man. : Watershed F	Protection Area		32	ha
. Water Supply : Design Supp		:	•	m3/day
. Inland Fishery : Annual Proc			24	ton/year
			······································	ng ang ang ang ang ang ang ang ang ang a
echnical Assessment:				
. Survey and Investigation:				
Detailed survey and investig	gation are not c	onduc	ted.	
		-		
. Planning			e e e e e e e e e e e e e e e e e e e	
Feasibility study shall be o	conducted.			
D i				
. Design	iotod			
Detailed design is not condu	ic eeu.		•	
•			•	
			•	
. Operation and Maintenance				
Not studied.				
and Paris (1 AAA Paris)			Project Evalu	ation:
und Requirement: (1,000 Pesos) Review :	'n		EIRR :	29.1 %
Review :	0 62			THE P. P. 188
Detailed Design :	124		Priority Rati	ng:
Construction :	1 4 7		Group :	Ā
Dan :	1,892	1		
Irrigation :	726		Implementatio	n Schedule:
Mini-Hydropower :	0		Review :	1 may 1
Water Supply ;	Ō		P/S :	1994
Watershed Protection :	860		D/D :	1994
5. Grand Total :	3,664		Construction:	Jul. 1995; 6 months
·	•	1		

No. : 69	Layout:	
JAY 3. D/D( )		
NED EARTHFILL 9 m 277,000 m3 8,100 m3		
23 m3/sec. 30 ha - kW 32 ha - m3/day		<del>Olympia magamini</del> ki *
24 ton/year	Typical Dam Section:	
	RIPRAP ON GRAVEL BEDOING 5.00 TOP OF DAMEL 20.00	
	DESCRIPTION LEGEND  ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  OUT-OFF TRENCH EXCAVATION  THE PRINCE STRIPPING  ASSUMED BEDROCK  OUT-OFF TRENCH EXCAVATION  THE PRINCE STRIPPING  THE PRINCE STRIPPING	ia.
	MAXIMUM SECTION OF DAM EMBANKMENT	
	Profile of Dam Axis:  OGE CREST OF SPILLWAY (W-4M)  TOP OF DAM EL. 2000 7  CUI - OFF TRENCH EXCAVATION	
oject Evaluation: RR : 29.1 %	STRIPPING  STRIPPING  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
iority Rating: oup : A	0 1000 0 1000 0 1020 0 1030 0 1040 0 1050 0 1000 0 1000 0 1000 0 1000 0 1000 0 1000 0 1000 0 1000 0 1000 0 1000	
plementation Schedule: view : S : 1994	PROFILE ON CENTERLINE OF DAM  SCALE 1:500 M  Note:	
S: 1994 D: 1994 nstruction: Jul.1995;6 months	Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage.	L E
	•	garagayin direppy, alab

SWIM PROJECT PROFILE	File No. : 70	
gist. No.: Name:	and a summarised by the state of the state o	
ency No.: NIA-130 CATUNGAWAN SWIM		
The same of the sa	ipality:	
BOHOL BOHOL	GUINDULMAN	
esent Status: (1) Pre-F/S(1989) 2. F/S(	) 3. D/D( )	
rposo: Major : Irrigation		
Incidental : IF, FC, WM		
oject Feature: Dam : Dam Type	: ZONED EARTHFILL	
Dan : Dan lype Dan Height	25 n	
Effective Storage Capacity	: 774,000 m3	
Embankment Volume Design Plood Discharge	: 77,000 m3	
Irrigation : Irrigation Area	750 m3/sec.	
Mini-hydropower: Installed Capacity	- k₩	
Watershed Man. : Watershed Protection Area	: 560 ha	
Water Supply : Design Supply Capacity Inland Fishery : Annual Production	: - m3/day : 21 ton/year	. !
Infond Lightly . Immede	- Configuration of the Configu	
chnical Assessment:	A SAME AND	
Survey and Investigation: Detailed survey and investigation are not c	anducted	
hergried and and investigation are nor c	AHAMA BAA	
		į.
Planning		
Planning Feasibility study shall be conducted.		
Feasibility study shall be conducted.		
Feasibility study shall be conducted.  Design		
Feasibility study shall be conducted.		
Feasibility study shall be conducted.  Design		
Feasibility study shall be conducted.  Design		
Feasibility study shall be conducted.  Design		
Design Detailed design is not conducted.  Operation and Maintenance		
Peasibility study shall be conducted.  Design Detailed design is not conducted.		
Design Detailed design is not conducted.  Operation and Maintenance Not studied.	Project Evaluation:	
Peasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  nd Requirement: (1,000 Pesos) Review: 0	Project Evaluation: EIRR : 15.6 %	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Od Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391	EIRR : 15.6 %	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Od Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391 Detailed Design : 782	EIRR : 15.6 %  Priority Rating:	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ond Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391 Detailed Design : 782 Construction :	EIRR : 15.6 %  Priority Rating: Group : A	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ond Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391 Detailed Design : 782 Construction :	EIRR : 15.6 %  Priority Rating: Group : A  Implementation Schedule:	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391 Detailed Design : 782 Construction : 11,814 Irrigation : 3,147 Mini-Hydropower : 0	EIRR : 15.6 %  Priority Rating: Group : A  Implementation Schedule: Review : ~	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391 Detailed Design : 782 Construction : 11,814 Irrigation : 3,147 Mini-Hydropower : 0 Water Supply : 0	EIRR : 15.6 %  Priority Rating: Group : A  Implementation Schedule: Review : F/S : 1993	
Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 391 Detailed Design : 782 Construction : 11,814 Irrigation : 3,147 Mini-Hydropower : 0	EIRR : 15.6 %  Priority Rating: Group : A  Implementation Schedule: Review : ~	

		: •	
Typical Dam	Section: 4 of DAM		
υ α			
10 70	600 TOP OF DAN EL.	60.00	
2 60 2	V HW.S 57.00	· · · · · · · · · · · · · · · · · · ·	
2 50	RIPRAP ON 1 1 15 49 1 1 1 1 2	<u>,5</u>	
40	GRAVEL BEDDING (3)	5	
1 30 ———	Marin	A FOSHO	
2 H 40	ORIGINAL GROUND SURFACE	LEGEND  STRIPPING () IMPERVIOUS CORE	É
1 30	Division of the second	LEGEND	
N	ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT- OFF TRENCH EXCAVATION	LEGEND  STRIPPING (1) IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL	
1 30 ———————————————————————————————————	ORIGINAL GROUND SURFACE ASSUMED BEDROCK  CUT- OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN	LEGEND  STRIPPING (1) IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL	
	ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN' SCALE 1:1,000 M	LEGEND  STRIPPING (1) IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL	
Profile of	ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN' SCALE 1:1,000 M	LEGEND  STRIPPING (1) IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL	, FILTI
	ORIGINAL GROUND SURFACE ASSUMED BEDROCK  CUT- OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN SCALE 1:1,000 M	LEGEND  LEGEND  STRIPPING (1) IMPERVIOUS CORE  SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY	, FILTI
Profile of	ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN' SCALE 1:1,000 M	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, FILTI
Profile of	ORIGINAL GROUND SURFACE ASSUMED BEDROCK  CUT- OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN SCALE 1:1,000 M	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, FILTI
Profile of	ORIGINAL GROUND SURFACE ASSUMED BEDROCK  CUT- OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN' SCALE 1:1,000 M  TOP OF DAM EL. 60.00	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, FILTI
Profile of	ORIGINAL GROUND SURFACE ASSUMED BEDROCK  CUT- OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN' SCALE 1:1,000 M  TOP OF DAM EL. 60.00	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, FILTI
Profile of	ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  TOP OF DAM EL. 60.00	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, FILTI
Profile of	DRIGHAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN  SCALE 1:1,000 M  TOP OF DAM EL. 60.00  CUT-OFF TRENCH CUT-OFF TRENCH	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, FILTI
Profile of	DRIGHAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN  SCALE 1:1,000 M  TOP OF DAM EL. 60.00  CUT-OFF TRENCH CUT-OFF TRENCH	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY (W-9M)	, PILTI
Profile of	ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN  SCALE 1:1,000 M  ORIGINAL GROUND SURFACE  OF OF DAM EL. 60.00 A  ORIGINAL GROUND SURFACE  STRIPPING  STRIPPING  STATION IN METERS	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY  OF SPILLY  ELEV. 67.00  CH EXCAVATION	, PILT
Profile of	ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT- OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMEN  SCALE 1:1,000 M  ORIGINAL GROUND SURFACE  TOP OF DAM EL. 50.00 A  GUT- OFF TRENCH STRIPPING  GUT- OFF TRENCH STRIPPING	LEGEND  STRIPPING () IMPERVIOUS CORE  (2) SAND AND GRAVEL  (3) RANDOM FILL  OF SPILLY  OF SPILLY  ELEV. 67.00  CH EXCAVATION	, PILTI

i e		File No. : 71
22	Name:	
Regist.No.: Agency No.: NIA-131	LAPACAN SWIP	
Region: Prov	nce:	Municipality:
7	BOHOL Pre-F/S(1989) 2.	F/S() 3. D/D()
Present Status: 1	rie 1/5(1000) 2.	$F/S( ) 3. D/\overline{D( )}$
Purpose: Major Incidental	: Irrigation : IF, FC, WM	
Project Feature:		
1. Dan	Dam Type Dam Height	: ZONED EARTHFILL
	Effective Storage Cap	: 9 m acity: 591,000 m3
	Embankment Volume	; 41,500 m3
a tulantian t	Design Flood Discharge Irrigation Area	
	Installed Capacity	150 ha
4. Watershed Man. :	Watershed Protection	Area : 770 ha
5. Water Supply :	Design Supply Capacity	
6. Inland Fishery :	Annual Production	ton/year
Technical Assessment: 1. Survey and Investi	gation:	
Detailed survey a	nd investigation are n	not conducted.
2. Planning		
	shall be conducted.	
	shall be conducted.	
	shall be conducted.	
Feasibility study	shall be conducted.	
Feasibility study 3. Design	shall be conducted.	
Feasibility study  3. Design		
Feasibility study  3. Design		
Feasibility study  3. Design		
Feasibility study 3. Design Detailed design i	s not conducted.	
Feasibility study  3. Design Detailed design i  4. Operation and Main	s not conducted.	
Feasibility study  3. Design Detailed design i  4. Operation and Main Not studied.	s not conducted.	
Feasibility study  3. Design Detailed design i  4. Operation and Main Not studied.  Fund Requirement: (1.0	s not conducted.  tenance  OO Pesos)	Project Evaluation:
Feasibility study  3. Design Detailed design i  4. Operation and Main Not studied.  Fund Requirement: (1,0 1 Review	s not conducted.  tenance  00 Pesos)	Project Evaluation: EIRR : 25.5 %
Feasibility study  3. Design Detailed design i  4. Operation and Main Not studied.  Fund Requirement: (1,0 1 Review 2. Feasibility Study	s not conducted.  tenance  00 Pesos) : 0 : 307	
Feasibility study  3. Design Detailed design in  4. Operation and Main Not studied.  Fund Requirement: (1,0) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction	s not conducted.  tenance  00 Pesos)  : 0 : 307 : 613	EIRR : 25.5 %
Feasibility study  3. Design Detailed design in  4. Operation and Main Not studied.  Fund Requirement: (1,0) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam	s not conducted.  tenance  00 Pesos) : 0 : 307 : 613 : 8,592	Priority Rating: Group : A
Feasibility study  3. Design Detailed design i  4. Operation and Main Not studied.  Fund Requirement: (1,0 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	s not conducted.  tenance  00 Pesos) : 0 : 307 : 613 : : 8,592 : 3,631	Priority Rating: Group: A  Implementation Schedule:
3. Design Detailed design i  4. Operation and Main Not studied.  Fund Requirement: (1,0 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation Mini-Hydropower	s not conducted.  tenance  00 Pesos) : 0 : 307 : 613 : : 8,592 : 3,631	EIRR : 25.5 %  Priority Rating: Group : A  Implementation Schedule: Review : F/S : 1892
Feasibility study  3. Design Detailed design in  4. Operation and Main Not studied.  Fund Requirement: (1,0) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	s not conducted.  tenance  00 Pesos) :	EIRR : 25.5 %  Priority Rating: Group : A  Implementation Schedule: Review :

Layout:	
	•
	•
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Typical Dam Section:	EGEND
g of DAM	) IMPERVIOUS CORE
ш 30 ———————————————————————————————————	SAND AND GRAVEL FILTER
1. Leave 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	RANDOM FILL
TOP OF CAM	•
2.5	
3 2 3	<u> </u>
	NAM .
ORIGINAL GROUND SURFACE	
ORIGINAL GROUND SURFACE	
ORIGINAL GROUND SURFACE	i <b>G</b>
ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SCALE 1: 1000 M	i <b>G</b>
ASSUMED BEDROCK  ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SCALE 1: 1000 M  Profile of Dam Axis:	i <b>G</b>
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SCALE 1: 1000 M  Profile of Dam Axis:	i <b>G</b>
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SCALE 1: 1000 M  Profile of Dam Axis:	AENT
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SICALE 1: 1000 M  Profile of Dam Axis:	i <b>G</b>
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SCALE 1: 1000 M  Profile of Dam Axis:  OF SPILLWAY (W:10 M)  OGE CREST	AENT ORIGINAL GROUND SURFACE
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKN  SCALE 1: 1000 M  Profile of Dam Axis:  OF SPILLWAY (W*10 M)  OGE CREST	AENT
Profile of Dam Axis:  OF SPILLWAY  (W. 16 M)  OGE CREST  EL. 17. 50  TOP OF DAM EL. 20.00	ORIGINAL GROUND SURFACE
Profile of Dam Axis:  OF SPILLWAY  WE 15 M  OGEE CREST  EL 17.60  TOP OF CAMEL. 20.00  STRIPPIN	ORIGINAL GROUND SURFACE
Profile of Dam Axis:  OF SPILLWAY  WE 15 M  OGE CREST  EL 17.50  TOP OF DAM EL. 20.00  STRIPPIN  STRIPPIN	ORIGINAL GROUND SURFACE
Profile of Dam Axis:  OF STILLWAY  (W*15 M)  OGEE CREST EL. 17. 50  TOP OF DAM EL. 20.00  STATION IN METERS  PROFILE ON CENTERLINE OF D	ORIGINAL GROUND SURFACE  CUT-OFF TRENCH EXCAVATION  O + 180 O+ 200 O+ 220 O+ 240
Profile of Dam Axis:  OF SPILLWAY  (W*15 M)  OF CALE  OF SPILLWAY  (W*15 M)  STATION IN METERS  STRIPPIN  STATION IN METERS	ORIGINAL GROUND SURFACE  CUT-OFF TRENCH EXCAVATION  O + 180 O+ 200 O+ 220 O+ 240
Profile of Dam Axis:  OGE CREST EL. 17. 50  OGE CREST EL. 17. 50  OF SPILLWAY (W-10 M)  STATION IN METERS  PROFILE ON CENTERLINE OF DESCALE Vert. 11:400 M  Hor. 1:1,000 M	ORIGINAL GROUND SURFACE  CUT-OFF TRENCH EXCAVATION  O + 180 O+ 200 O+ 220 O+ 240  AM
Profile of Dam Axis:  OGE CREST STRIPPIN  OCIT - OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKA SCALE I: 1000 M  Profile of Dam Axis:  OGE CREST SEL. 17. 50  TOP OF DAM EL. 20.00  STATION IN METERS  PROFILE ON CENTERLINE OF DESCALE Veri. 1:400 M Hor. 1:1000 M	ORIGINAL GROUND SURFACE  CUT-OFF TRENCH EXCAVATION  O + 180 O+ 200 O+ 220 O+ 240  AM

	CA BEAT		
SWIM PROJE	ECT PROFILE	File No. : 72	
Regist.No.: Agency No.: NIA-132	Name: TAYTAY SWIP		
egion: Provi		ipality:	P. W. Company of the
7	BOHOL Pre-F/S(1989) 2. F/S(	JETAFE	
resent Status: (1)	rre-r/5(1868) 2. r/5(	) 3, D/D( )	
III poos.	: Irrigation : IF, FC, WM		The state of the s
roject Feature:	n	## CA A P P P P P P P P P P P P P P P P P	And the second section of the second section of the
Dum	Dam Type Dam Height	: ZONED EARTHFIL: 13	
	Effective Storage Capacity	822,000	n n3
	Embankment Volume	22,000	m3
	Design Flood Discharge	65	m3/sec.
	Irrigation Area	110	ha
Mini-hydropower :	Installed Capacity Watershed Protection Area	. 106	kW
	Design Supply Capacity	136	ha m3/day
	Annual Production	: 48	ton/year
Survey and Investig Detailed survey an	nd investigation are not co	onducted.	
Planning			
~	shall be conducted.		
•			
Design			
Detailed design is	not conducted.		
<b>A</b>			
Operation and Maint Not studied.	enance		
nor genated.			
nd Requirement:(1,00	O Pesos)	Project Evaluat	
Review	: 0	EIRR :	32.5 %
Feasibility Study	: 177	putintan nasta	••
Detailed Design Construction	353	Priority Rating Group	5 ·
Dam	; 4,523		
Irrigation	: 2,663	Implementation	Schedule:
Mini-Hydropower	: 0	Review	<b>-</b>
Water Supply	: 0	F/S :	1991 1991
Watershed Protec Grand Total		D/D : Construction:	Jul. 1992;6 months
4. anu, 10 ta1	: 11,365	Court de Contra	Cartenanato Montalia.

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Layout:
Ruce via D. D. C. Charles
Typical Dam Section:
COF DAM
45
TO TOP OF TANK EL 40 00
40 THE SEL ST. SO RIPHAP OH 3 2.5 CRAVEL BEDDING (3)
35 (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
THE STATE OF THE S
Degend  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  STRIPPING  (2) SAND AND GRAVEL FILTER
DESCRIPTION SUBTRICE STRIPPING STRIPPING
DRIGHAL GROUND SURFACE  ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUI-OFF TRENCH  EXCAVATION  COULDED TRENCH  EXCAVATION  COULDED TRENCH  EXCAVATION
DRIGHAL GROUND SURFACE  ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUI-OFF TRENCH  EXCAVATION  COULDED TRENCH  EXCAVATION  COULDED TRENCH  EXCAVATION
DRIGINAL GROUND SURFACE  STRIPPING  CUI-OFF TRENCH EXCAVATION  SAND AND GRAVEL FILTER  ASSUMED BEDROCK  CUI-OFF TRENCH EXCAVATION  THE PROPERTY OF THE PROPERT
DOCTION OF DATE AVISA.  LEGEND  IMPERVIOUS CORE  STRIPPING  STRIPP
ORIGINAL GROUND SURFACE  STRIPPING  STRIPPIN
ORIGINAL GROUND SURFACE  25
ORIGINAL GROUND SURFACE  25
Drofile of Dam Axis:  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE
Drofile of Dam Axis:  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE
Drofile of Dam Axis:  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE
Description of Dam Axis:  Oniginal Ground Surface  Assumed Bedrock  Cut-off Trench Excavation  3 Random fill  Profile of Dam Axis:  Of Spillway  EL3750  ORIGINAL GROUND SURFACE  TOP OF DAM EL 40.00  STRIPPING  STRIPPING  STRIPPING
Drofile of Dam Axis:  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE  OF SPILLWAY (W. B.M.)  ORIGINAL GROUND SURFACE
Description of Dam Axis:  ORIGINAL GROUND SURFACE  ASSUMED REDROCK  CUI-OFF TRENCH EXCAVATION  TOP OF DAM EL.40.00  STRIPPING  STRIP
ORIGINAL GROUND SURFACE  STRIPPING  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  OF SPILLWAY  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE  TOP OF DAM EL 40.00  STRIPPING  STRIPPING  STRIPPING  STRIPPING  STRIPPING  O-040 0-020 0+000 0+000 0+000 0+000 0+100 0+100 0+100 0+100 0+200
Drofile of Dam Axis:  OGE CREST OF SPILLWAY  (W. B.W.)  TOP OF DAM EL 40.00  PROFILE ON CENTERLINE OF DAM  SCALE VIEL 1500 M  NACL LIGOOM  IMPERVIOUS CORE  STRIPPING  STRIPPING  STRIPPING  OF SPILLWAY  (W. B.W.)  TOP OF DAM EL 40.00  STRIPPING  SCALE VIEL 1500 M  NACL LIGOOM  IMPERVIOUS CORE  STRIPPING  OTHER AND ORIGINAL GROUND SURFACE  OF SPILLWAY  (W. B.W.)  TOP OF DAM EL 40.00  OTHER
Description of Dam Axis:  OF SPHLIMAN  OF SPHLIMAN  OF SPHLIMAN  OF SPHLIMAN  TOP OF DAM EL 40,000  STRIPPING  STRIPPING  OF SPHLIMAN  TOP OF DAM EL 40,000  STATION IN HETERS  PROFILE ON CENTERLINE OF DAM  SCALE VIEL 1300 M  Has, UL000 M  Has, UL000 M  Indee:
Drofile of Dam Axis:  OGE CREST OF SPILLWAY  (W. B.W.)  TOP OF DAM EL 40.00  PROFILE ON CENTERLINE OF DAM  SCALE VIEL 1500 M  NACL LIGOOM  IMPERVIOUS CORE  STRIPPING  STRIPPING  STRIPPING  OF SPILLWAY  (W. B.W.)  TOP OF DAM EL 40.00  STRIPPING  SCALE VIEL 1500 M  NACL LIGOOM  IMPERVIOUS CORE  STRIPPING  OTHER AND ORIGINAL GROUND SURFACE  OF SPILLWAY  (W. B.W.)  TOP OF DAM EL 40.00  OTHER

SWIM PROJE	CT PROFILE	File No.: 73	Layout:
Regist.No.: Agency No.: NIA-133	Name: ABACA SWIP		
Region: Provid 7 Present Status: (1) I	nce: Mun BOHOL Pre-F/S(1989) 2, F/S	icipality: MABINI ( ) 3. D/D( )	
Purnose: Major	Irrigation IF, FC, WM		
2. Irrigation : 1 3. Mini-hydropower : 4. Watershed Man. : 1 5. Water Supply : 1	Oam Type Oam Height Effective Storage Capaci Embankment Volume Oesign Flood Discharge rrigation Area Installed Capacity Vatershed Protection Are Oesign Supply Capacity	: 70,000 m3 : 89 m3/sec. : 200 ha : - kW a : 180 ha : - m3/day	Typical Dam Sec
Technical Assessment:  1. Survey and Investig	Annual Production gation: nd investigation are not	: 43 ton/year	₩ 60 ₩ 50 ₩ 50
2. Planning			30
	shall be conducted.		
3. Design Detailed design is	s not conducted.		Profile of Dam
4. Operation and Main Not studied.	Lenance		S 35
Fund Requirement: (1,0)  Review  Fund Requirement: (1,0)  Review  Fund Requirement: (1,0)  Review  Construction  Dam  Irrigation  Mini-Hydropower	00 Pesos) : 0 : 513 : 1,028 : 14,961 : 4,841 : 0 : 0	Project Evaluation: EIRR : 20.2 %  Priority Rating: Group : A  Implementation Schedule: Review : F/S : 1992 D/D : 1993	Note:

Layout:
andre de la composition de la composit La talente de la composition de la com
Typical Dam Section: 6 OF DAM
ω 80 ···································
50 600
7 N.W.S 37.60 7 TOP OF DAM EL. 40.00
HIPHAP ON
GRAVEL BEDDING
20
LEGEND LEGEND
ORIGINAL GHOUND SURFACE
ASSUMED BEDROCK CUT-OFF-TRENCH STRIPPING () FAMOLAND FORMER STRIPPING
EXCAVATION (2) SAND AND GRAVEL FILTER
(3) RANDOM FILL
MAXIMUM SECTION OF DAM EMBANKMENT
SCALE 1:1,000 H
Profile of Dam Axis: torspillway
10P OF DAM EL. 40 00 A
40
2 36
ORIGINAL GROUND SURFACE
FIFV 37 60
S 16 S 16 S 18 I PP I N G
3 16
STRIPPING
IV   manager and processing and the second control of the second c
01000 01020 01040 01080 0100 01120 01140 01160 01180 01200 01220 01240 01260
01000 01020 01040 01080 0100 01120 01140 0160 01180 0120 0120 01240 01260
01000 01020 01040 01080 0100 01100 01120 01140 01160 01180 01200 01220 01240 01260  PROFILE ON CENTERLINE OF DAM
01000 01020 01040 01080 0100 01120 01140 0160 01180 0120 0120 01240 01260
01000 01-020 01-040 01-080 01-080 01-100 01-120 01-140 01-160 01-180 01-200 01-220 01-240 01-260  PROFILE ON CENTERLINE OF DAM  SCALE Virt. 1:500 H  177 17 Hor. 1:1,000 M
01000 01-020 01-040 01-080 01-080 01-100 01-120 01-140 01-160 01-180 01-200 01-220 01-240 01-260  PROFILE ON CENTERLINE OF DAM  SCALE Virt. 1:500 H  177 17 Hor. 1:1,000 M
01000 01-020 01-040 01-080 01-080 01-100 01-120 01-140 01-160 01-180 01-200 01-220 01-240 01-260  PROFILE ON CENTERLINE OF DAM  SCALE Virt. 1:500 H  177 17 Hor. 1:1,000 M
01000 01-020 0+040 0+080 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260  8TATION IN NETERS  PROFILE ON CENTERLINE OF DAM  8CALE Ver. 11.500 H

SWIM PROJEC	CT PROFILE	File No. : 74
egist. No.: gency No.: NIA-136	Name: ONDOL SWIP	and a commence that is a series of the commence of the commenc
gency No Hin .co		
egion: Provinc		pality:
7	воног	MABINI
resent Status: (1) Pr	18-F/S(1989) 2. F/S(	) 3. D/D( )
Major	Irrigation	
11 11 11 11 11 11 11 11 11 11 11 11 11	IF, FC, WM	
1110.2.40.1.41		
oject Feature:		
Dam : Da	am Type	: ZONED EARTHFILL
	am Height	: 22 m
	ffective Storage Capacity	: 3,692,000 m3
	mbankment Volume	: 83,000 я3
	esign Flood Discharge	: 83 m3/sec.
117100000	rrigation Area	: 200 ha
fifthr in an attended	nstalled Capacity	- kW
MUTOTOHO - 11-4	atershed Protection Area	: 225 ha : - m3/day
11000	esign Supply Capacity	
Inland Fishery : An	nnual Production	: 109 ton/year
	chall be conducted	
<del>.</del>	shall be conducted.	
	shall be conducted.	
<del>.</del>	shall be conducted.	
Feasibility study	shall be conducted.	
Feasibility study s  Design		
Feasibility study		
Feasibility study s  Design		
Feasibility study s  Design		
Feasibility study s  Design		
Peasibility study	not conducted.	
Feasibility study s  Design Detailed design is  Operation and Maint	not conducted.	
Peasibility study	not conducted.	
Peasibility study s  Design Detailed design is  Operation and Maint Not studied.	not conducted. enance	Project Evaluation:
Peasibility study study study study study study studied design is not studied.	not conducted. enance	Project Evaluation: EIRR 24.4 %
Peasibility study study study study study study studied design is Not studied.  Und Requirement: (1,00 Review	not conducted. enance O Pesos)	EIRR : 24.4 %
Peasibility study  Design Detailed design is  Operation and Maint Not studied.  und Requirement: (1,00 Review Peasibility Study	not conducted.  enance  O Pesos)  : 0 : 504	EIRR : 24.4 %  Priority Rating:
Feasibility study  Design Detailed design is  Operation and Maint Not studied.  Und Requirement: (1,00 Review Feasibility Study Detailed Design	not conducted.  enance  O Pesos)  : 0	EIRR : 24.4 %
Peasibility study  Design Detailed design is  Operation and Maint Not studied.  und Requirement: (1,00 Review Peasibility Study Detailed Design	not conducted.  enance  O Pesos)  : 0 : 504 : 1,008	EIRR : 24.4 %  Priority Rating: Group : A
Design Detailed design is  Operation and Maint Not studied.  und Requirement: (1,00 Review Feasibility Study Detailed Design Construction	not conducted.  enance  O Pesos)  : 0 : 504	EIRR : 24.4 %  Priority Rating: Group : A  Implementation Schedule:
Design Detailed design is  Operation and Maint Not studied.  und Requirement: (1,00 Review Feasibility Study Detailed Design Construction Dam Irrigation	not conducted.  enance  0 Pesos)	EIRR : 24.4 %  Priority Rating: Group : A  Implementation Schedule: Review : 100
Feasibility study study study study study studied design is Detailed design is Not studied.  und Requirement: (1,00 Review Feasibility Study Detailed Design Construction Dam	not conducted.  enance  0 Pesos)	EIRR : 24.4 %  Priority Rating: Group : A  Implementation Schedule: Review : 1891
Design Detailed design is  Operation and Maint Not studied.  Fund Requirement: (1,00 Review Construction Dam Irrigation Mini-Hydropower	not conducted.  enance  0 Pesos)	EIRR : 24.4 %  Priority Rating: Group : A  Implementation Schedule: Review : 100

and the control of th
Typical Dam Section: OF DAM
60 — 600
S 30 GRAVEL BEIDING II I IMPERVIOUS CORE  S 20 SAND AND GRAVEL FILTER
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION
MAXIMUM SECTION OF DAM EMBANKMENT
SCALE 1:1,000 M
Profile of Dam Axis:  OF SPILLWAY (W-10M)
Profile of Dam Axis:  OF SPILLWAY (W-10M)
Profile of Dam Axis:    OF SPILLWAY (W.10M)
Profile of Dam Axis:  TOP OF DAM EL. 40.00 )  TOP OF TRENCH EXCAVATION

SWIM PROJECT PROFILE	File No. : 75	Layout:
Regist.No.: Name: SAN ISIDRO BANLASAN Name:	VSWIP	
Region: Province: Munic	Dipality:	
7 BOHOL  Present Status: (1) Pre-F/S(1989) 2. F/S(	TRINIDAD ) 3. D/D( )	
Purpose: Major : Irrigation		
Incidental : IF, FC, WM		
Project Feature:  1. Dam : Dam Type Dam Height Effective Storage Capacity Embankment Volume Design Flood Discharge 2. Irrigation : Irrigation Area	: 61,000 m3 : 112 m3/sec. : 300 ha	
3. Mini-hydropower: Installed Capacity 4. Watershed Man.: Watershed Protection Area	:	
5. Water Supply : Design Supply Capacity 6. Inland Fishery : Annual Production	m3/day : 152 ton/year	Typical Dam Section:
0, 11.		50 ———
Technical Assessment: 1. Survey and Investigation: Detailed survey and investigation are not of	conducted.	₩ 40 ₩ 30 ₩ 30 ₩ 82750
		GRAVEL BEDDING  O DRIGINAL GROUND SURFACE
2. Planning Feasibility study shall be conducted.		ASSUMED BEDROCK  MAXIMUM SECTION OF
9 Desire		SCALE
3. Design Detailed design is not conducted.		Profile of Dam Axis:
		00EE CREST ELEV. 27.50
4. Operation and Maintenance Not studied.		Z 20
Fund Requirement: (1,000 Pesos)  1 Review : 0	Project Evaluation: EIRR : 32.2 %	SLEWATION OF STATE OF
2. Feasibility Study : 534 3. Detailed Design : 1,069 4. Construction :	Priority Rating: Group : A	0-040 0-020 0+000 0+020 0+040 0+080 0+  51  PROFILE (
Dam : 13,228 Irrigation : 7,261	Implementation Schedule:	FROFILE
Mini-Hydropower : 0 Water Supply : 0	P/S : 1992	Note:  Dam type and its configuration is reasonably investigation. Foundation treatment; width of impervious blanket, would be decided through F at least more than 100 years.

Layout:
Typical Dam Section:
50 —— 600 # 40 —— 600 # 30 —— 7 TOP OF DAM EL. 30.00
RIPRAP ON GRAVEL BEDDING  10  10  10  10  10  10  10  10  10  1
O CRIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF TRENCH  STRIPPING
EXCAVATION
MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1:1,000 M
MAXIMUM SECTION OF DAM EMBANKMENT SCALE 1:1,000 H  Profile of Dam Axis:  (W-14M)
MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1:1,000 M  Profile of Dam Axis:  OF SPILLWAY  (W:14M)  OOEE CREST
MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1:1,000 M  Profile of Dam Axis:  OF SPILLWAY (W:14 M)  OGE CREST RLEV. 27.50  ORIGINAL GROUND SURFACE
Profile of Dam Axis:  OF SPILLWAY (W+14M)  OOEE CREST ELEV. 27.50  TOP OF DAM EL. 30.00  TOP OF DAM EL. 30.00
Profile of Dam Axis:  OF SPILLWAY (W-14 M)  OOFE CREST TOP OF DAM EL. 30,00 A  TOP OF DAM EL. 30,00 A  STRIPPING  O-040 0-020 0+000 0+020 0+040 0+080 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220  STATION IN METERS

			1.00	
SWIM PROJECT P	ROFILE	File No. : 76		Layo
Regist. No.: NIA-139 Name: BA	NLASAN SWIP			
Region: Province: BOHO		pality:		
Present Status: (1) Pre-F/S(1	Cold Vite Start Labor Cold Communication Communication Communication Cold Cold Cold Cold Cold Cold Cold Cold	TUBIGON ) 3. D/D( )	-	
Purpose: Major : Irrigat			-	
Incidental : IF, FC	, WM			
Project Feature: 1. Dam : Dam Type		: ZONED EARTHFILL		
Dam Heigh	t Storage Capacity	10 n		
Embankmen		: 465,000 m3 : 28,300 m3		
	ood Discharge	: 116 m3/sec.		
2. Irrigation : Irrigatio		: 130 ha		
3. Mini-hydropower : Installed		t k₩eyas		
11 11000	Protection Area pply Capacity	: 320 ha : m3/day		
<ul><li>5. Water Supply : Design Su</li><li>6. Inland Fishery : Annual Pr</li></ul>		: 38 ton/year		Typi
U. Antonia 1 London				
Technical Assessment:			7	
1. Survey and Investigation:				
Detailed survey and invest	igation are not co	nducted.		
· ·	*			
2. Planning	3 A 3			
Feasibility study shall be	conducted.		3 <b>1</b>	
				đ.
3. Design	•		1.2	
Detailed design is not con	ducted.			Prof
				1.1
	i			70
				METERS 60
4. Operation and Maintenance				¥ 50
Not studied.				3
			_	ğ 10
Fund Requirement: (1,000 Pesos)		Project Evaluation:		SEVATION 0 t
Review :	0	EIRR : 23.0 %		20
2. Feasibility Study :	258	Priority Rating:		0-
3. Detailed Design 4. Construction :	516	Group : A		
Dam :	6,997			
Irrigation :	3,147	Implementation Schedule:		
Mini-Hydropower :	0	Review		
Water Supply :	0	P/S : 1994		Note:
Watershed Protection :	8,580	D/D : 1994		4 4
5. Grand Total :	19,497	Construction: Jul. 1995;6 months		

Layout:
particular de la financia de la companya de la com La financia de la companya de la co
kan ngangan nganggan katalog sa mangan nganggan nganggan nganggan nganggan nganggan nganggan nganggan nganggan Mangangganggan nganggan ngang
Typical Dam Section:
1 or our
© OF DAM
an de la companya de
E SO RIPRAP ON SOO STAYEL BEDDING
TOP OF DAM EL 40.00
30 - WH.W.S 37.50 3 LEGEND IMPERVIOUS CORE
MPERVIOUS CORE
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CAUD AND GRAVEL FILTER
ORIGINAL GROUND SURFACE- STRIPPING (2) SAND AND BRAVEL FILTER
ORIGINAL GROUND SURFACE- STRIPPING (2) SAND AND BRAVEL FILTER
ORIGINAL GROUND SURFACE-
ASSUMED BEDROCK STRIPPING  CUT-OFF TRENCH EXCAVATION  (2) SAND AND GRAVEL FILTER  (2) SAND AND GRAVEL FILTER  (3) MANDOM FILL
ASSUMED BEDROCK STRIPPING (2) SAND AND GRAVEL FILTER  CUT-OFF THENCH (3) MANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT
ASSUMED BEDROCK STRIPPING  CUT-OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 H
ASSUMED BEDROCK STRIPPING (2) SAND AND GRAVEL FILTER  CUT-OFF THENCH (3) MANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT
ASSUMED BEDROCK  CUT-OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:
ASSUMED BEDROCK  CUT-OFF TRENCH STRIPPING  MAXIMUM SECTION OF DAM EMBANKMENT SCALE 1: 2,000 H  Profile of Dam Axis:  (of SPILLWAY [W-14M])
ORIGINAL GROUND SURFACE-  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMENT SCALE 1: 2,000 H  Profile of Dam Axis:  OF SPILLWAY (W=14M)
ORIGINAL GROUND SURFACE-  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMENT SCALE 1: 2,000 H  Profile of Dam Axis:  OF SPILLWAY (W=14M)
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  STRIPPING  STRIPPING  (2) SAND AND GRAVEL FILTER  STRIPPING  (3) RANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  (W-14M)  OGE CREST ELEV. 37, 50  ORIGINAL GROUND SURFACE  ORIGINAL GROUND SURFACE
ORIGINAL GROUND SURFACE  STRIPPING  ASSUMED BEDROCK  STRIPPING  CUT-OFF THENCH EXCAVATION  (2) SAND AND GRAVEL FILTER  STRIPPING  RANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  OF SPILLWAY (W+14M)  OGGE CREST ELEV. 37,50  ORIGINAL GROUND SURFACE  TOR OF DAM EL 40 DO.)  TOR OF DAM EL 40 DO.)  TOR OF DAM EL 40 DO.)
ORIGINAL GROUND SURFACE  STRIPPING  ASSUMED BEDROCK  STRIPPING  CUT-OFF THENCH EXCAVATION  (2) SAND AND GRAVEL FILTER  STRIPPING  RANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  OF SPILLWAY (W+14M)  OGGE CREST ELEV. 37,50  ORIGINAL GROUND SURFACE  TOR OF DAM EL 40 DO.)  TOR OF DAM EL 40 DO.)  TOR OF DAM EL 40 DO.)
ORIGINAL GROUND SURFACE  STRIPPING  ASSUMED BEDROCK  STRIPPING  CUT-OFF THENCH EXCAVATION  (2) SAND AND GRAVEL FILTER  STRIPPING  RANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  OF SPILLWAY (W+14M)  OGGE CREST ELEV. 37,50  ORIGINAL GROUND SURFACE  TOR OF DAM EL 40 DO.)  TOR OF DAM EL 40 DO.)  TOR OF DAM EL 40 DO.)
ASSUMED BEDROCK  STRIPPING  CUT-OFF TRENCH EXCAVATION  ASSUMED BEDROCK  STRIPPING  RANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  (W-14 M)  TOP OF DAM EL. 40.00
ASSUMED BEDROCK  STRIPPING  CUT-OFF THENCH EXCAVATION  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY (W-14M)  OGEE CREST ELEV. 37,300  ORIGINAL GROUND SURFACE TOP OF DAM EL. 40.00  TOP OF DAM EL. 40.00  CUT-OFF TRENCH EXCAVATION
ASSUMED BEDROCK  STRIPPING  CUT-OFF TRENCH EXCAVATION  ASSUMED BEDROCK  STRIPPING  RANDOM FILL  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  (W-14 M)  TOP OF DAM EL. 40.00
ASSUMED BEDROCK  STRIPPING  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY (W-14M)  TOP OF DAM EL. 40,000  TOP DAM EL. 40,000  STRIPPING  CUT-OFF TRENCH EXCAVATION  OBJECTION OF DAM EMBANKMENT  STRIPPING  OBJECTION OF DAM EL. 40,000  STRIPPING  STRIPPING  STRIPPING  STRIPPING  OBJECTION OF DAM EL. 40,000  STRIPPING  STRIP
Profile of Dam Axis:  OGRIGHAL GROUND SURFACE  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OGRECREST ELEV. 37,50  ORIGINAL GROUND SURFACE  TOP OF DAM EL. 40,000  STATION IN METERS
ASSUMED BEDROCK  STRIPPING  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  I W-14M  OGLE CREST  ELEV. 37,30  ORIGINAL GROUND SURFACE  TOP OF DAM EL. 40,000  TOP OF DAM EL. 40,000  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M
ASSUMED BEDROCK  ASSUMED BEDROCK  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  I W-14M )  TOP OF DAM EL. 40.00  TOP OF DAM EL. 40.00  TOP OF DAM EL. 40.00  STRIPPING  ASSUMED BEDROCK  STRIPPING  RANDOM FILL  STRIPPING  OCIT-OFF TRENCH EXCAVATION  STRIPPING  PROFILE DN CENTERLINE OF DAM  SCALE 1: 1,000 M  NOTE:
ASSUMED BEDROCK  ASSUMED BEDROCK  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  I W-14M )  TOP OF DAM EL. 40.00  TOP OF DAM EL. 40.00  TOP OF DAM EL. 40.00  STRIPPING  ASSUMED BEDROCK  STRIPPING  RANDOM FILL  STRIPPING  OCIT-OFF TRENCH EXCAVATION  STRIPPING  PROFILE DN CENTERLINE OF DAM  SCALE 1: 1,000 M  NOTE:
ASSUMED BEDROCK  STRIPPING  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 2,000 M  Profile of Dam Axis:  OF SPILLWAY  I W-14M  OGLE CREST  ELEV. 37,30  ORIGINAL GROUND SURFACE  TOP OF DAM EL. 40,000  TOP OF DAM EL. 40,000  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M  STATION IN METERS  PROFILE ON CENTERLINE OF DAM  SCALE 1: 1,000 M

	ECT PROFILE	File No. : 77		Layout:
Regist.No.: Agency No.: NIA-141	Name: BIABAS SWIP			
n and a second	ince: Municip	pality:		
7	BOHOL	UBAY THE STATE OF		
Present Status: (1)	Pre-F/S(1989) 2. F/S(	) 3. D/D( )		
Purpose: Major Incidental	: Irrigation : IF, FC, WM			
Project Feature: 1. Dam :	Dam Type Dam Height Effective Storage Capacity Embankment Volume	: ZONED EARTHFILL : 10 m : 485,000 m3 : 25,000 m3		
	Design Flood Discharge Irrigation Area Installed Capacity	: 102 m3/sec. : 110 ha : - kW		
4. Watershed Man. :	Watershed Protection Area	: 255 ha		
	Design Supply Capacity Annual Production	m3/day ton/year		Typical Dam Section:
2. Planning	igation: and investigation are not con	iducted.		70 — 60 — 5 60 —
realblilty study	shall be conducted.			M.
3. Design Detailed design	is not conducted.			Profile of Dam Axis:
	ntenance			50 82 45 91 45 93 40 82 85
4. Operation and Mai Not studied,	•		1 1	
	: 0	Project Evaluation: EIRR : 27.2 %  Priority Rating: Group : A  Implementation Schedule:		25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

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	en de la companya de La companya de la companya de	•			
Typical	Dam Section:		. :		
70		. •			
1	· ·	•	C OF DAM		
2 50 2 60	- RIP	RAP ON			
Z 40		AVEL BEDDING	TOP OF DAI	1.EL_10.00	
OCTA	<u> </u>	3 1	(I)		•
ELEVATION 40					LEGE NO:
10	PORIGINAL GRO	OUND SURFACE	STRI		(1) Impervious Cose (2) Sand and Gravel Filler
		ASSUMED BEDROCK	CUT-OFF TRENCH	•	(3) Rendom FIII
	2160	AMIN SECTION (	OF DAM EMEDANIZAR		(4) Dumped Boulder
	МАА		OF DAM EMBANKME E ICLOOO M	EN I	•
		The second secon		<del></del>	
Profile	of Dam Axis:				PILLWAY
50		Onis To	INAL GROUND SURFACE		- Julian
SS 45 13 45 14 40	71112	Tro Tro	P OF DAM EL. 40.00	-	OGEE CREST
¥ 40			THE	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUMN T	Y   100 X 135 M
			STREPING		
			CUT-OFF TRE	HCH EXCAVATION	
EVATION 35		0+080 0+100	04140 04140	0+180 0+200	0+220 01240 0186
EVATION 35	0+020 0+040 0+060	0+050 0+100	D+120 O+140 O+160 STATION IN METERS		G+220 0 1240 0 + 24
EVATION 35			STATION IN METERS		G+220 0+2*0 0+2
EVATION 35			STATION IN METERS	NE OF DAM	G+220 012%0 012
Note:	0+020 0+040 0+060	PROF	STATION IN METERS FILE ON CENTERLIN SCALE Vers. 1: 400 M Hor. 1: 1,000 M	NE OF DAM	
Note:		PROF	STATION IN METERS FILE ON CENTERLIN SCALE Vers. 1: 400 M Hor. 1: 1,000 M	NE OF DAM	

SWIM PROJECT PROFILE	File No. : 78	
Regist.No.: Name: KANASUHAN CIP		
Region: Province: Munic	ipality: CARCAR	
Present Status: (1) Pre-F/S(1989) 2. F/S(	) 3. D/D( )	
Purpose: Major : Irrigation Incidental : IF, FC, WM		
Project Feature:  1. Dam : Dam Type Dam Height Effective Storage Capacity Embankment Volume	: ZONED EARTHFILL : 30 m : 5,992,000 m3 : 164,000 m3	
Design Flood Discharge  2. Irrigation : Irrigation Area  3. Mini-hydropower : Installed Capacity  4. Watershed Man. : Watershed Protection Area  5. Water Supply : Design Supply Capacity  6. Inland Fishery : Annual Production	### ### ##############################	
Technical Assessment:  1. Survey and Investigation:  Detailed survey and investigation are not c	onducted.	
<ol> <li>Planning Feasibility study shall be conducted.</li> </ol>		
3. Design		
Detailed design is not conducted.		
4. Operation and Maintenance		
Not studied.		
Fund Requirement: (1,000 Pesos)  1 Review : 0  2. Feasibility Study : 1,505  3. Detailed Design : 3,009  4. Construction : 49,185  Irrigation : 9,198  Mini-Hydropower : 0  Water Supply : 0	Project Evaluation: EIRR: 13.7 %  Priority Rating: Group: B  Implementation Schedule: Review:	
Watershed Protection : 22,749 5. Grand Total : 85,646	D/D : 1995 Construction: Jul.1996;18 months	

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		-	•		
Typical Dam Section:	and the state of t		ACCESSION OF THE PROPERTY OF T		
	•	OF DAM			
2 80	•	8.00	•	*	-
\$ 70	Q H.W.S. EL. 67.00	[] <u>v"</u>	P OF DAH EL. 70.00	•	
# 60 RIPRAP	on				
RIPRAP O GRAVEL 8	EDDING			•	
40	9304		(D) (D)	-	•
80 ORIGINAL	AROUND BURFACE	Landing in which		and with	
	ABBUNED BEORGO	K Cur-on	TRENCH BTAIPPING	LEGEND	
		EXCAVA	TIOH	() IMPERVIOUS CO	не
				(2) SAND AND GRAVE	L FILTER
	MAXIMUM SECT	ION OF DAM EMBA	NKMENT	3 RANDOM FILL	-
	-				
Profile of Dam Axis:	**************************************	,			
75			of (×	SPILLWAY • 49 H I	
	OF DAM EL. 70.00			OGEE CREST	
1 1 1	GROUND SURFACE				
e 60 CRIGINAL 6		<del></del>	<del></del>		
G SO CONTRIBUTAL 6			1 11	1 1 1	
E 80		CUT-OFF TRE	ICH EXCAVATION		
CONTRIBUTE ON THE SECOND ON TH		CUT-OFF TRE	CH EXCAVATION		
CORTOINAL 6		CUT - OFF, TAE)	ICH EXCAVATION		
ORIGINAL 6		CUT - CFF, TRE)	ICH EXCAVATION		
STRIPPING					
CORDINAL 6  E 58  E 50  DO  OTIVA  A 46  STRIFFING	0+030 0+040 0+070	CUT - CFF TRE		O+130 O+140 O+180	0 + 160
STRIPPING	•	O + OBO O O O O O O O O O O O O O O O O	100 0+110 0+120	O+150 O+140 O+160	0 + 150
STRIPPING	•	0 + 080 0 + 080 0 +	100 0+110 0+120	O+130 O+140 O+160	0+160
# 58 C C COO O O COO O C	•	STATION IN METERS	100 0+110 0+120	O+130 O+140 O+180	0+150
Note:	PROFILE	STATION IN METERS E ON CENTERLINE SCALE 1:2,000 M	00 0+110 0+120 OF DAM	<del> </del>	anga anga anga anga anga anga anga anga
# 88 # 88 # 84 # 8 # 8 # 8 # 8 # 8 # 8 #	PROFILE	STATION IN METERS E ON CENTERLINE SCALE 1:2,000 M	00 0+110 0+120 OF DAM	<del> </del>	anga anga anga anga anga anga anga anga

SWIM PROJE	CT PROFILE	File No. : 79
Regist. No.: Agency No.: NIA-148	Name: LUYANG CIP	
Region: Provin	ce: Munici CEBU	ipality: CARMEN
Present Status: (1) F	re-F/S(1989) 2. F/S(	) 3. D/D( )
FIL D0301 11-0-1	Irrigation	
Incidental :	IF, FC, WM	
Project Feature:	am Type	: ZONED EARTHFILL
I. Due.	om Height	^ <b>~</b>
	ffective Storage Capacity	
	nbankment Volume	: 77,000 m3
	esign Flood Discharge	370 m3/sec.
	rrigation Area	: 230 ha
3. Mini-hydropower : 1		: - k₩
4. Watershed Man. : W	atershed Protection Area	: 1,350 ha
	esign Supply Capacity	: - m3/day
	nnual Production	: 22 ton/year
Detailed survey an	d investigation are not co	onducted.
2. Planning		
	shall be conducted.	
3. Design Detailed design is	not conducted.	
•		
	•	
	•	
<ol> <li>Operation and Maint</li> </ol>	enance	
Not studied.		
		The Property of the Property o
Fund Requirement: (1,00	<u> </u>	Project Evaluation: EIRR : 10.0 %
Review	: 0	EIRR : 10.0 %
2. Feasibility Study	: 1,027	Priority Rating:
3. Detailed Design 4. Construction	: 2,055	Group : B
		uroup
Dam Innigation	: 33,393	Implementation Schedule:
Irrigation	: 5,567	Review :
Mini-Hydropower	: 0	F/S : 1998
Water Supply	: 0	D/D : 1999
Watershed Protec 5. Grand Total		Construction: Jan. 2000;9 months
arming local	: 61,736	OOKO OL GO TOM

79	-	Layout:
)		
THFILL 27 m 00 m3		
00 m3 70 m3/sec. 30 ha - kW		
50 ha - m3/day 22 ton/year		Typical Dam Section:
		TO LEGEND  10 TOP OF DAMEL 60.00 IMPERVIOUS CORE
	- - - -	NIME ST. 50  RIPRAP ON GRAVEL SEDDING  3 RAHDOM FILL  2 SAND AND GRAVEL FILTER  2 AO  2 SAND AND GRAVEL FILTER  3 RAHDOM FILL
		ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION
		MAXIMUM SECTION OF DAM EMBANKMENT SCALE 1:1,000 H
		Profile of Dam Axis:
		TOP OF TAM EL 60 00  TOP OF TAM EL 60 00  CUT-OFF YRENCH EXCAVATION  Z 45
valuation: : 10.0 %		\$ 40 \$ 55 \$ 56 \$ 5781991863 \$ 578191863 \$ 5781963 \$ 578196 \$ 5781963 \$ 578196 \$ 57819 \$ 578196 \$ 578196 \$ 57819 \$ 578196 \$ 578196
Rating: : B ation Schedule:		STATION IN METERS PROFILE ON CENTERLINE OF DAM SCALE 1:800 W
: 1998 : 1999 ion: Jan. 2000;9 months		Note:  Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage.

SWIM PROJECT PROFILE  Regist.No.: Agency No.: NIA-149  Province: The CEBU  Present Status: The Pre-F/S(1989)  Purpose: Major Incidental: IF, FC, WM  Project Feature: The Dam Type	File No.: 80  micipality: DANAO CITY S( ) 3. D/D( )
Agency No.: NIA-149  Region: Province: Mun 7  CEBU 7  Present Status: (1) Pre-F/S(1989) 2. F/S  Purpose: Major : Irrigation Incidental : IF, FC, WM	nicipality: DANAO CITY
Region: Province: Mun 7 CEBU 7 Present Status: (1) Pre-F/S(1989) 2. F/S Purpose: Major : Irrigation Incidental : IF, FC, WM	DANAO CITY
7 CEBU Present Status: (1) Pre-F/S(1989) 2. F/S Purpose: Major : Irrigation Incidental : IF, FC, WM	DANAO CITY
Purpose: Major : Irrigation Incidental : IF, FC, WM Project Feature:	
Incidental : IF, FC, WM	
Incidental : IF, FC, WM	
* M	
	: ZONED EARTHFILL
Dam Height	: 30 m
Effective Storage Capaci	ty: 2,623,000 m3
Embankment Volume	: 73,200 m3
Design Flood Discharge	: 500 m3/sec.
lrrigation : Irrigation Area Mini-hydropower : Installed Capacity	430 ha
, Matershed Man. : Watershed Protection Are	- kW a : 2,160 ha
Water Supply : Design Supply Capacity	na : 2,160 ha : m3/day
Inland Fishery : Annual Production	62 ton/year
echnical Assessment: . Survey and Investigation:	
Detailed survey and investigation are not	conducted.
61	
Planning Feasibility study shall be conducted.	
. Design	
Detailed design is not conducted.	
Operation and Maintenance	
Not studied,	
und Requirement: (1,000 Pesos)	Project Evaluation:
Review : 0	EIRR : 13.8 %
Feasibility Study : 1,512	
Detailed Design : 3,024	Priority Rating:
Construction :	Group : B
Dam : 47,246	Implementation Schedule:
Irrigation : 10,408 Mini-Hydropower : 0	Review :
Water Supply : 0	F/S 1997
· · · · · · · · · · · · · · · · · · ·	D/D 1998
Watershed Protection : 31,494	Construction: Jan. 1999; 9 months

	Layout:
A.	
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	Typical Dam Section:
	OF DAM
	n so ne s
	50 V TOP OF DAN EL 49.00
٠	2 40
	RIPRAP OH GRAVEL BEDDING  50  50  10  10  10  10  10  10  10  10
	10 ORIGINAL OROUND SURFACE
	ASSUMED BEDITOCK CUT-OFF TRENCH LEGEND  EVENVATION (1) IMPERVIOUS CORE
	2 SAND AND SPAVEL FILTER
	MAXIMUM SECTION OF DAM EMBANKMENT   SCALE 1:3,000 M
	Profile of Dam Axis:
	( or spulled at a page 1101116 of a page 1201116 of a page 120116 of a page 1201116 of a page 120116 of a page 1201116 of a page 120116 of a
l	OREE CREST
	10 CF DAM EL 49.00 1
	ORIGINAL GROUND SUDFACE
	ORIGINAL GROUND SUDFACE
	EO STRIPFING
	0-030 0-020 0-010 0+0000
	BYANDS WEREAR
	PROFILE ON CENTERLINE OF DAM  REALE 1/500 M
ŀ	Noto
	Note:  Dem two and its configuration is researchly proposed in two w/c stage under no set of the stage and the configuration is researchly proposed in two w/c stage under no set of the stage and the
	investigation. Foundation treatment, width of importance are 7/5 stage under no actual geological
	impervious history wild be decided through ble his total
	Name type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage.

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SWIM PROJECT PROFILE	File No. : 81
Regist.No.: Name: Agency No.: NIA-150 TUNGKOD CIP	
Region: Province: Municip	pality:
7 CEBU Present Status: (1) Pre-F/S(1989) 2. F/S(	MINGLANILLA ) 3. D/D( )
Purpose: Major : Irrigation Incidental : IF, FC, WM	
Project Feature: 1. Dam Type Dam Height	: ZONED EARTHFILL : 30 m
Effective Storage Capacity Embankment Volume Design Flood Discharge 2. Irrigation : Irrigation Area	9,648,000 m3 88,900 m3 260 m3/sec. 240 ha
3. Mini-hydropower: Installed Capacity 4. Watershed Man.: Watershed Protection Area 5. Water Supply: Design Supply Capacity	: - kW : 1,033 ha : m3/day
6. Inland Fishery : Annual Production Technical Assessment:	: 216 ton/year
Survey and Investigation:     Detailed survey and investigation are not compared to the c	nducted.
<ol> <li>Planning Feasibility study shall be conducted.</li> </ol>	
3. Design	
Detailed design is not conducted.	
4. Operation and Maintenance Not studied.	
Fund Requirement: (1,000 Pesos)  1 Review : 0  2. Feasibility Study : 872	Project Evaluation: EIRR : 20.0 %
3. Detailed Design : 1,743 4. Construction : 29,454	Priority Rating: Group: B Implementation Schedule:
Irrigation : 5,809 Mini-Hydropower : 0 Water Supply : 0 Watershed Protection : 15,060	Review : 7 F/S : 1995 D/D : 1995
Watershed Protection : 15,060 5. Grand Total : 52,938	Construction: Jul. 1996; 12 months

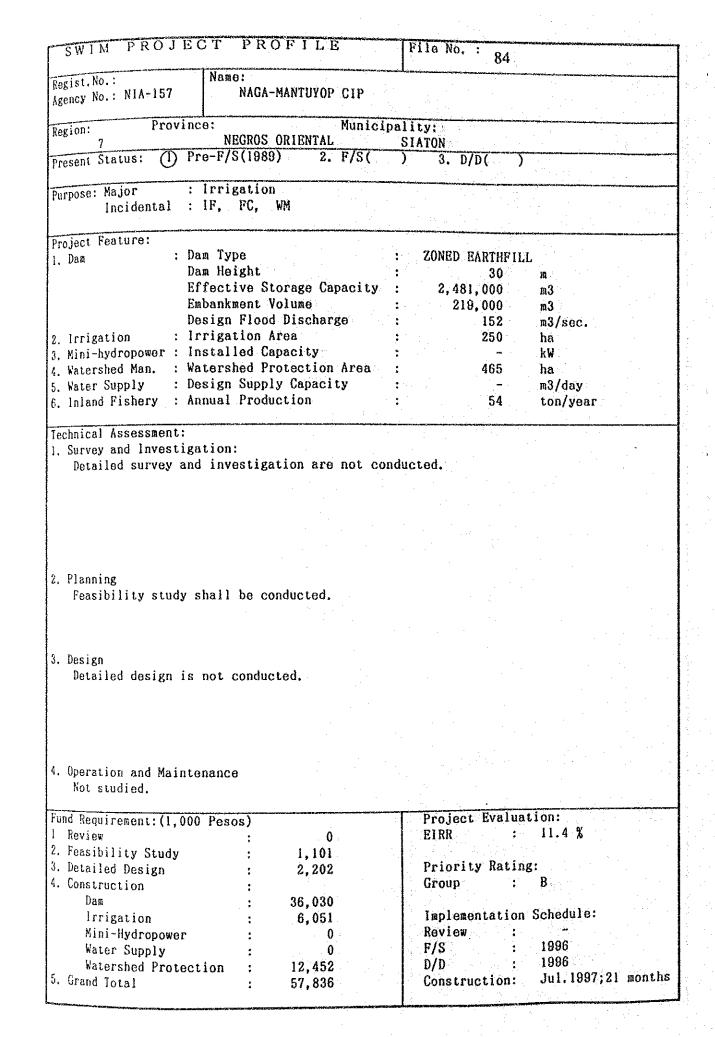
le No. : 81	Layout:
y:	
GLANILLA 3. D/D( )	
ZONED EARTHFILL	
30 m 9,648,000 m3	
88,900 m3 260 m3/sec.	
240 ha. - kW	
1,033 ha - m3/day	Typical Dam Section:
216 ton/year	60
	\$ 50-
ed.	2 RIPRAP ON
	Z 50- GRAVEL BEDDING 15 15 25 25 20 20 3
	10 - CRIGHAL GROUND SURFACE
	ASSUMED BEDROCK CUT-OFF TRENCH LEGEND
	() IMPERVIOUS CORE (2) SAND AND GRAVEL FILTER
	MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1:1,000 M
	Profile of Dam Axis:
	110111E 01 DAM AXIS.    CF SPATEMAY (W- 50M)
	ORIGINAL GROUND SURFACE
Project Evaluation:	CUT-OFF TRENCH EXCAVATION
EIRR : 20.0 %	0-010 0+000 0+010 0+020 0+050 0+040 C+050 0+060 0+070 0+080 0+000 0+100 0+120 0+130
Priority Rating: Group : B	STATION IN METERS
Implementation Schedule:	PROFILE ON CENTERLINE OF DAM  BEALE 1:000 M
Review : 795 : 1995	Note:
D/D : 1995 Construction: Jul.1996;12 months	Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage.
	The state of the s

SWIM PROJECT	PROFILE	File No. : 82	no-ra	Layout:
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Agency No.: NIA-152	MWHAGAIADIG CIL			
Region: Province:		· · · · · · · · · · · · · · · · · · ·		
Regist No.:   Name:				
Project Feature:				
l Dam : Dam Typ				
		and the control of th		
	ed Capacity			
	The control of the co			and the second s
				Typical Dam Sect
6. Inland Fishery : Annual	rroduction	ton/year		420
Technical Assessment:			-	410
				es alorement and
		nducted.		₩400 <del></del>
				E 390 RIPRAP O
			1	6 GRAVEL
	•			¥ 380
				5 W
			.	DANIBIRO CAS
9 Planning			1	
	be conducted.			,
. Contained pound miners	E W WWITTH ON W TW TH			
			1	
<del>-</del>				Profile of Dam A
Detailed design is not c	onducted.			OF SPI
				( ( v · i )
				420
				50 410 VERROLL
•				£ 400 \( \rightarrow \)
4. Operation and Maintenance				
				ž 340
		and the same of th		T 340
fund Requirement: (1,000 Peso	s)			\$ 870
		E1RR : 23.2 A		
7. reasibility Study		Priority Patings		
	: 841			
	12 146			
		Implementation Schedule:		
	: 4,007	Review : -		Noto
	: 0	F/S : 1993		
Watershed Protection	. 0			Dam type and investigation.
5. Grand Total	: 17,764	Construction: Jul. 1994; 12 month	5	impervious bla
The state of the s			_	
A TOTAL COME AND A TOTA		<ul> <li>A series of production of the control of the control</li></ul>		The second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the section in the section is the second section in the section is the section in the section is t
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Layout:	
Typical Dam Section:	
420	F DAM
9.410 ————————————————————————————————————	
₩ 400	TOP OF DAM EL. 400.00
E 390 HIPRAP ON	
E 380 — (3)	
\$370	MIN SUM ASSESSMENT
ORIGINAL GROUND SURFACE	STRIPPING () INPERVIOUS CORE
ORIGINAL GROUND SURFACE	CEGEND
360 — ORIGINAL GROUND SURFACE ASSUMED BEDROCK	CUT-OFF TRENCH EXCAVATION  STRIPPING  (1) INPERVIOUS CORE  (2) SAND AND GRAVEL FILTER  (3) RANDON FILL
ORIGINAL GROUND SURFACE	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDON FILL
MAXIMUM SECTION OF DA	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDON FILL
MAXIMUM SECTION OF DA scale 1:100	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDON FILL
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  MAXIMUM SECTION OF DA SCALE 1:100  Profile of Dam Axis:	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDON FILL
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  MAXIMUM SECTION OF DA  SCALE 1:100  Profile of Dam Axis:  OF SPHLIWAY (W * 15 M)  ORIGINAL GR	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDON FILL
ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  MAXIMUM SECTION OF DA  SCALE 1:100  Profile of Dam Axis:  OF SPHLIWAY (W * 15 M)  ORIGINAL GR	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDOM FILL  O H
Profile of Dam Axis:  OF SPILLWAY  OF SPILLW	CUT-OFF TRENCH EXCAVATION  STRIPPING  (I) INPERVIOUS CORE  SAND AND GRAVEL FILTER  (3) RANDON FILL  OND SURFACE  DAN EL. 400.00
Profile of Dam Axis:  OF SPILLWAY  OF SPILLW	STRIPPING (1) INPERVIOUS CORE  CUT-OFF TRENCH EXCAVATION (2) SAND AND GRAVEL FILTER  (3) RANDOM FILL  UND SURFACE
Profile of Dam Axis:  OF SPILLWAY (W: 15 M)  ORIGINAL GROUND SURFACE  ASSUMED BEDROCK  MAXIMUM SECTION OF DA SCALE 1:100  OF SPILLWAY (W: 15 M)  ORIGINAL GR ORIGINAL GR TOP OF STRIPPING STRIPPING STRIPPING	CUT-OFF TRENCH EXCAVATION  STRIPPING  (1) INPERVIOUS CORE  SAND AND GRAVEL FILTER  (3) RANDOM FILL  UND SURFACE  DAM EL. 400.00
Profile of Dam Axis:  OF SPHLWAY  W = 15 M1  OF SPHLWAY  TOP OF  EL 397.80  STRIPPING  STRIPPING  ASSUMED BEDROCK  MAXIMUM SECTION OF DA  SCALE 1:100  ORIGINAL GR  TOP OF  STRIPPING  STRIPPING  STRIPPING  STRIPPING  STRIPPING  OHOSO 0+050 0+100 0+120 0+140 0+160 0+160	CUT-OFF TRENCH EXCAVATION  STRIPPING  (I) INPERVIOUS CORE  SAND AND GRAVEL FILTER  (3) RANDOM FILL  UND SURFACE  DAM EL. 400.00  CUT-OFF TRENCH EYCAVATION  CUT-OFF TRENCH EYCAVATION
Profile of Dam Axis:  OF SPHLWAY  W = 15 M1  OF SPHLWAY  TOP OF  BL 397.80  STRIPPING  STRIPPING  ASSUMED BEDROCK  MAXIMUM SECTION OF DA  SCALE 1:100  ORIGINAL GR  TOP OF  STRIPPING  STRIPPING	CUT-OFF TRENCH EXCAVATION  STRIPPING  I INPERVIOUS CORE  SAND AND GRAVEL FILTER  A EMBANKMENT  O H  UND SURFACE  DAM EL. 400.00  CUT-OFF TRENCH EYCAVATION  CUT-OFF TRENCH EYCAVATION  HERES
Profile of Dam Axis:  OF SPHLWAY  (W * 15 M)  OF SPHLW	CUT-OFF TRENCH EXCAVATION  STRIPPING  I INPERVIOUS CORE  SAND AND GRAVEL FILTER  A EMBANKMENT  O H  UND SURFACE  DAM EL. 400.00  CUT-OFF TRENCH EYCAVATION  CUT-OFF TRENCH EYCAVATION  HERS
Profile of Dam Axis:  OF SPILLMAY  W = 15 M)  OGE CREST  OF SPILLMAY  W = 15 M)  ORIGINAL GR  ORIGINAL GR  ORIGINAL GR  ORIGINAL GR  TANNAM  STATION IN  PROFILE ON CENT  SCALE  SCALE  ORIGINAL GR  ORI	CUT-OFF TRENCH EXCAVATION  STRIPPING  (1) INPERVIOUS CORE  SAND AND GRAVEL FILTER  (3) RANDOM FILL  UND SURFACE  DAM EL. 400.00   TIWE  CUT-OFF TRENCH EYCAVATION  CUT-OFF TRENCH EYCAVATION  HETERS  ERLINE OF DAM
Profile of Dam Axis:  OF SPILLWAY  WELL 397.80  ELL 397.80  TOP OF  STATION IN  PROFILE ON CEN  STATION IN  PROFILE ON CEN  SCALE  Note:	CUT-OFF TRENCH EXCAVATION  STRIPPING  INPERVIOUS CORE  SAND AND GRAVEL FILTER  A EMBANKMENT  ON  CUT-OFF TRENCH EVCAVALION  CUT-OFF TRENCH EVCAVALION  + 200 0+220 0+240 0+300 0+320 0+340 0+360 0+390  METERS  ERLINE OF DAM  1: 2,000 M
Profile of Dam Axis:  OF SPILLWAY  WELL 397.80  ELL 397.80  TOP OF  STATION IN  PROFILE ON CEN  STATION IN  PROFILE ON CEN  SCALE  Note:	CUT-OFF TRENCH EXCAVATION  STRIPPING  (1) INPERVIOUS CORE  SAND AND GRAVEL FILTER  (3) RANDOM FILL  UND SURFACE  DAM EL. 400.00   TIWE  CUT-OFF TRENCH EYCAVATION  CUT-OFF TRENCH EYCAVATION  HETERS  ERLINE OF DAM

SWIM PROJECT PROFILE	File No. : 83
egist. No.: Name:	
gency No.: NIA-154 MASAPLOD CIP	
gion: Province: Munic	ipality:
7 NEGROS ORIENTAL	DAUIN
resent Status: 1 Pre-F/S(1989) 2. F/S(	) 3. D/D( )
rpose: Major : Irrigation Incidental : IF, FC, WM	
roject Feature: Dam : Dam Type	: ZONED EARTHFILL
Dan : Dan Type Dan Height	: 30 m
Effective Storage Capacity	
Embankment Volume	78,000 m3
Design Flood Discharge	. 83 m3/sec.
Irrigation : Irrigation Area	130 ha
Mini-hydropower: Installed Capacity	~ kW
Watershed Man. : Watershed Protection Area	240 ha
, 110000	. 240 na : m3/day
	: 43 ton/year
. Inland Fishery : Annual Production	· 30 con/year
Detailed survey and investigation are not c	onducted.
. Planning Feasibility study shall be conducted.	
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= .	
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Feasibility study shall be conducted.	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design Detailed design is not conducted.	
Feasibility study shall be conducted.  Design	
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.	Project Evaluation:
Peasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos)	Project Evaluation:
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review: 0	Project Evaluation: EIRR : 19.4 %
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375	EIRR : 19.4 %
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ond Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375. Detailed Design : 751	EIRR : 19.4 %  Priority Rating:
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ond Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375 Detailed Design : 751 Construction :	EIRR : 19.4 %
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375 Detailed Design : 751 Construction : Dam : 11,470	EIRR : 19.4 %  Priority Rating: Group : B
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375. Detailed Design : 751 Construction : 11,470 Irrigation : 3,147	EIRR : 19.4 %  Priority Rating: Group : B  Implementation Schedule:
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375 Detailed Design : 751 Construction : 11,470 Irrigation : 3,147 Mini-Hydropower : 0	EIRR : 19.4 %  Priority Rating: Group : B  Implementation Schedule: Review : -
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review 0 Feasibility Study 375 Detailed Design 751 Construction 11,470 Irrigation 11,470 Mini-Hydropower 0 Water Supply 0	EIRR : 19.4 %  Priority Rating: Group : B  Implementation Schedule: Review : F/S : 1995
Feasibility study shall be conducted.  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 375 Detailed Design : 751 Construction : 11,470 Irrigation : 3,147 Mini-Hydropower : 0	EIRR : 19.4 %  Priority Rating: Group : B  Implementation Schedule: Review : -

Layout:	
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Typical Dam Section:	
9 370 ₩ 7 TOP OF DAM EL. 360.00	•
Z 350 RIPRAP ON ORAVEL BEDDING	
340 (3) (2) (3) (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	TENT!
320 — ORIGINAL GROUND SURFACE	LEGEND
ASSUMED BEDROCK CUT-OFF TRENCH EXCAVATION	1 IMPERVIOUS CORE
MAXIMUM SECTION OF DAM EMBANKMENT	(2) BAND AND GRAVEL FILTER  (3) RANDON FILL
Profile of Dam Axis:	OF SPILLWAY
120	Tim Pitting
ORIGINAL GROUND SURFACE EL. 357.	(8)
360 TOP OF DAM EL. 360.00	
340	
320 Every Service Control of the Con	N
STRIPPING CUT OFF TRENCH EXCAVATIO	1400 01440 01460 01520
STRIPPING CUT OFF TRENCH EXCAVATIO	1 400 D + 440 O + 460 O + 520
STRIPPING - CUT - OFF TRENCH EXCAVATION OF 000 0 + 040	



Typical Das Section:	A .
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90	
W 80 V N.W.S. EL. 72,00	TOP OF DAM EL.75.00
70	
E RIPRAP ON	2.5
2 60 - GRAVEL BEDDING	
50	
3 Vender Market Andrew	Mark State of the
ORIGINAL GROUND SURFACE	STRIPPING LEGEND
30 ASSUMED BEDROOM	EXCAVATION CORE
MAXIMUM SECTION OF DAM	EMBANKMENT CO THE AND GRAVET FILTER
SCALE 111	
	(3) RANDOM FILL
	9
Describe of Describer	
Profile of Dam Axis:	
Profile of Dam Axis:	,
	,
	,
OGEE CHEST ORIGINAL GROUND SURFACE	
2 BO  OGEE CREST  ORIGINAL GROUND SURFACE  TOP OF DAM EL.	
2 80 OGEE CREST ORIGINAL GROUND SURFACE	75.00·A
S 80	75.00 A
Z BO  STRIPPING  OGEE CREST  ORIGINAL BROUND SURFACE  TOP OF DAM EL.	25.00 A  CUT - OFF TRENCH EXCAVATION
2 80  2 80  3 120  3 120  4 100  5 120  6 10	25.00 / - CUT - OFF TRENCH EXCAVATION 1240 0 1280 0 360 0 400 0 1440 0 480
2 80 2 60 3 40 40 5 5TRIPPING 40 60 60 60 60 60 60 60 60 60 60 60 60 60	25.00 A CUT - OFF TRENCH EXCAVATION 240 0 480 ERS
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SERVICE OF THE PROPRIES OF THE	25.00 A CUT - OFF TRENCH EXCAVATION  240 0+280 0+320 0 360 0 400 0+440 0 480  ERS  E OF DAM
SERVICE OF THE PROPRIES OF THE	25.00 A CUT - OFF TRENCH EXCAVATION  240 0+280 0+320 0 360 0 400 0+440 0 480  ERS  E OF DAM
SERVICE OF THE PROPRIES OF THE	25.00 A CUT-OFF TRENCH EXCAVATION  1240 01280 01320 0 360 0 400 01440 0 480  ERS  E OF DAM
NOTICE CREST ORIGINAL GROUND SURFACE  TOP OF DAM EL.  PROFILE ON CENTERLIN  SCALE 1:2,000	25.00 A CUT - OFF TRENCH EXCAVATION  1240 0 280 0 320 0 360 0 400 0 440 0 480  ERS  E OF DAM

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SWIM PROJE	CT PROFILE	File No. : 85	**************************************
Regist. No.: Agency No.: NIA-158	Name: SAN ANTONIO CIP		dellerge
Region: Provi		nicipality:	
7	NEGROS ORIENTAL	STBULAN	
Present Status: (1)	Pre-F/S(1989) 2, F/S	S( ) 3. D/D( )	
1 / 11 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1	: Irrigation : IF, FC, WM		
	Dam Type Dam Height	: ZONED EARTHFILL : 30 m	****
	Effective Storage Capaci Embankment Volume	ity: 351,000 m3 : 118,300 m3	
	Design Flood Discharge	133 m3/sec.	
2. Irrigation : 3. Mini-hydropower :	Irrigation Area	: 120 ha : - kW	•
3. Mini-hydropowei :	Watershed Protection Are		
4, 40,000	Design Supply Capacity	m3/day	
	Annual Production	ton/year	
Technical Assessment: 1. Survey and Investi Detailed survey a	gation: nd investigation are not	t conducted.	
	•		
2. Planning			
EIRR is less than	10 %.		
Project planning	shall be re-formulated.		
3. Design			
Detailed design i	s not conducted.		
			•
4. Operation and Main	tenance		
Not studied.			1
Fund Requirement: (1,0	OO Pesos)	Project Evaluation:	
l Review	: 80	EIRR : 6.4 %	٠.
2. Feasibility Study	: 647	Datate Data	
3. Detailed Design 4. Construction	: 1,293	Priority Rating: Group: B	
Dam	: : 21,578		
	: 2,905	Implementation Schedule:	
Mini-Hydropower		Review : 1991	
Water Supply	: 0	F/S : 1998 D/D : 1998	
Watershed Prote		D/D : 1998 Construction: Jul.1999;12 mont	ths
5. Grand Total	: 36,300	Constitution.	-

	Typical Dam Section:
	# 170
	E 180
	THE STATE SECOND STATE OF THE S
	120 ORIGINAL BROUND SURFACE
	MAXIMUM SECTION OF DAM EMBANKMENT  (1) IMPERVIOUS CORE  EXCAVATION  (2) GAND AND GRAVEL FILT
- [	
	SCALE 1: 1,000 H (3) RANDON FILL
	Profile of Dam Axis:
	Profile of Dam Axis:  6 OF SPILLWAY (W-15 M)
	Profile of Dam Axis:  6 OF SPILLWAY (W-15 M)
	Profile of Dam Axis:  OF SPILLWAY (W*15 M)  OGER CREST ELEY, 157.00  ORIGINAL GROUND SURFACE TOP OF DAM EL. 160.00
	Profile of Dam Axis:  OF SPILLWAY (W.15 M)  OGGE CREST ELEV. 167.00  ORIGINAL GROUND SURFACE TOP OF DAM EL. ICO. 00  TOP OF DAM EL. ICO. 00  STRIPPING  CUT-OFF TRENCH EXCAVATION
	Profile of Dam Axis:  OF SPILLWAY (W-15M)  OGGE CREST ELEV. 157.00  ORIGINAL GROUND SURFACE TOP OF DAM EL. 160.00  TOP OF DAM EL. 160.00  STRIPPINO  CUT-OFF TRENCH EXCAVATION
	Profile of Dam Axis:    OF SPILLWAY (W=15 M)
	Profile of Dam Axis:  OF SPILLWAY (W'15M)  OGE CREST ELEV. 107.00  OF SPILLWAY (W'15M)  OF SP
	Profile of Dam Axis:  OF SPILLWAY (W-15 H)  ORIGINAL GROUND SURFACE TOP OF DAM EL. 160.00  STRIPPING O-040 0+000 0+040 0+080 0+120 0+180 0+200 0+240 0+280 0+320 0+340 0+380 0+420 0+  SCALE 1:2,000 M  SCALE 1:2,000 M

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SWIM PROJECT P	ROFILE	File No. : 86	MCMANICONIA des para para para para para para para par
Regist. No.: NIA-163 Name:	IGBAO CIP		And the second s
Region: Province: SIQU	Municip UJOR	ality: LAZI	And the second section of the section of the second section of the section of the second section of the section of th
Present Status: (1) Pre-F/S(1		) 3. D/D( )	
Purpose: Major : Irrigat Incidental : IF, FC	the state of the s		The first of the second section is a second section of the section of the second section of the section of the second section of the secti
Project Feature: 1. Dam : Dam Type Dam Heigh	t	: ZONED EARTHFILL : 30 m	
Embankmen Design Fl	ood Discharge	: 383,000 m3 : 95,200 m3 : 90 m3/se	e.
4. Watershed Man. : Watershed	n Area Capacity Protection Area pply Capacity	80 ha - kW 217 ha - m3/da	
6. Inland Fishery : Annual Pr		: 10 ton/y	
Technical Assessment: 1. Survey and Investigation: Detailed survey and invest	igation are not con	ducted.	
·			
<ol> <li>Planning         EIRR is less than 10 %.         Project planning shall be</li> </ol>	re-formulated.		
3. Design Detailed design is not con	ducted.		
4. Operation and Maintenance Not studied.			
Fund Requirement: (1,000 Pesos)  Review: Example 2. Feasibility Study: Feasibility Study: Feasibility Study: Feasibility Study: Construction: Feasibility Study: Feas	65 466 931 15,707 1,936 0	Project Evaluation: EIRR: 7.4 % Priority Rating: Group: B  Implementation Schedu Review: 1991 F/S: 1998	le:
Watershed Protection : 5. Grand Total :	6,175 25,280	D/D : 1998 Construction: Jul. 1	099;12 months

Layout:	
en e	
Typical Dam Section:	
100	•
and the state of t	AN EL. 80.00
y NW.S. EL. 77.00	
# 70 RIPRAP ON IS GRAVEL BEDDING	2.6
300 (2)	
60 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
ASSUMED BEDROCK CUT-OFF TREM	CH LEGEND
EXCAVATION	INPERVIOUS CORE
	2 SAND AND GRAVEL FILTER
MAXIMUM SECTION OF DAM EMBANKI	MENT (3) RAHDOM FILL
Profile of Dam Axis:	(W = 10 H)
110	THE STATE OF THE S
ORIGINAL DROWID SURFACE COME CREST	
ORIGINAL OROUND SURFACE OCE CREST SO. OO TOP OF DAM EL. 60.00	
<b>₹</b> 80	
5 70 CUT OFF	
60 CUT OFF	TRENCH EXCAVATION
60 SYRIPPING CUT OFF	
0-040 0-020 0+000 0+020 0+040 0+060 0+080 0+100 0+120	0+140 0+150 0+180 0+200
MAXIMUM SECTION OF DAM EMBA	ANKMENT
SCALE 1: 1,000 H	
Note:	stage under no actual geological
Dam type and its configuration is reasonably proposed in Pre F/S investigation. Foundation treatment; width of impervious zone, shimpervious blanket, would be decided through F/S, D/D stage. Magnit at least more than 100 years.	ape of core trench, necessity of
at least more than 100 years.	or nearly montates around to

SWIM PROJE	ECT PROFILE	. II	File No. : 87	
ogist.No.: gency No.: NIA-186	Name: MAHAYAHAY SWII			***************************************
7	nce:	Municipal		
8	SOUTHERN LEYTE		BONTOC	
rosent Status: (1)	Pre-F/S(1989) 2.	F/S( )	3. D/D( )	
urpose: Major	: Irrigation	al artist of the desired in the second state of the second state o	The state of the s	
ul bood.	: IF, FC, WM			
roject Feature:	D T		ZOMB MARKET	· · · · · · · · · · · · · · · · · · ·
1 2	Dam Type Dam Height	•	ZONED BARTHFILL	
	Effective Storage Cap	nacity :	30 m 221,000 m3	
	Embankment Volume	pacity .	117,000 m3	
·	Design Flood Discharg	re :	112 m3/sec.	
	Irrigation Area		335 ha	
Mini-hydropower :	Installed Capacity		– kW	
. Watershed Man. : '	Watershed Protection		204 ha	
	Design Supply Capacit	ty :	- m3/day	
. Inland Fishery :	Annual Production	:	6 ton/year	
echnical Assessment:				
. Survey and Investig Detailed survey as	nd investigation are	not condu		
		nos condo	icted.	
		nos condo	icted.	
		not condu	icted.	
		not condu	icted.	
		not condu	icted.	
. Planning		nos condo	icted.	
	shall be conducted.	not condu	icted.	
		not condu	icted.	
		not condu	icted.	
Feasibility study		nos condo	cted.	
	shall be conducted.	nos condo	icted.	
Feasibility study  . Design	shall be conducted.	nos conad	eted.	
Feasibility study  . Design	shall be conducted.	nos conad	icted.	
Feasibility study  . Design	shall be conducted.	nos condo	icted.	
Feasibility study  . Design	shall be conducted.	nos conad	cted.	
Feasibility study  Design Detailed design i  Operation and Main	shall be conducted.	nos conad	icted.	
Feasibility study . Design Detailed design i	shall be conducted.	nos condo	icted.	
Feasibility study  Design Detailed design i  Operation and Main Not studied.	shall be conducted.  s not conducted.  tenance	not condo		
Feasibility study  Design Detailed design i  Operation and Main Not studied.	shall be conducted.  s not conducted.  tenance  OO Pesos)		Project Evaluation:	
Feasibility study  Design Detailed design i  Operation and Main Not studied.  und Requirement: (1,0) Review	shall be conducted.  s not conducted.  tenance  00 Pesos) : 0			
Feasibility study  Design Detailed design i  Operation and Main Not studied.  und Requirement: (1,0) Review Feasibility Study	shall be conducted.  s not conducted.  tenance  00 Pesos)  : 0 : 759		Project Evaluation: EIRR: 19.3%	
Feasibility study  Design Detailed design i  Operation and Main Not studied.  Und Requirement: (1,0) Review Feasibility Study Detailed Design	shall be conducted.  s not conducted.  tenance  00 Pesos) : 0		Project Evaluation: EIRR: 19.3% Priority Rating:	
Feasibility study  Design Detailed design i  Operation and Main Not studied.  und Requirement: (1,0) Review Feasibility Study	shall be conducted.  s not conducted.  tenance  00 Pesos)  : 0 : 759 : 1,519		Project Evaluation: EIRR: 19.3 % Priority Rating: Group: B	
Peasibility study  Design Detailed design i  Operation and Main Not studied.  Und Requirement: (1,0) Review Peasibility Study Detailed Design Construction	shall be conducted.  s not conducted.  tenance  00 Pesos)  1,519  21,120		Project Evaluation: EIRR: 19.3% Priority Rating:	
Feasibility study  Design Detailed design i  Operation and Main Not studied.  Und Requirement: (1,0) Review Feasibility Study Detailed Design Construction Dam	shall be conducted.  s not conducted.  tenance  00 Pesos)  : 0 : 759 : 1,519 : 21,120 : 8,109		Project Evaluation: EIRR: 19.3 % Priority Rating: Group: B Implementation Schedule: Review:	
Peasibility study  Design Detailed design i  Operation and Main Not studied.  Und Requirement: (1,0) Review Peasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropower Water Supply	shall be conducted.  s not conducted.  tenance  00 Pesos)		Project Evaluation: EIRR: 19.3%  Priority Rating: Group: B  Implementation Schedule: Review: F/S: 1995	
Peasibility study  Design Detailed design i  Operation and Main Not studied.  Und Requirement: (1,0) Review Peasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropower Water Supply Watershed Prote	shall be conducted.  s not conducted.  tenance  00 Pesos)  : 0 : 759 : 1,519 : 21,120 : 8,109 : 0 : 0 ction : 5,457		Project Evaluation: EIRR: 19.3 %  Priority Rating: Group: B  Implementation Schedule: Review: F/S: 1995 D/D: 1995	Smarth
Peasibility study  Design Detailed design i  Operation and Main Not studied.  Und Requirement: (1,0) Review Peasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropower Water Supply	shall be conducted.  s not conducted.  tenance  00 Pesos)		Project Evaluation: EIRR: 19.3%  Priority Rating: Group: B  Implementation Schedule: Review: F/S: 1995	5 month

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ង - 180		V N.W.S. EL. I	7700				
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6 160	GRAVEL BEDDI	NB 1			2.5		
		and the second of the property of					
₹ 180	Manager 1 to					William Color	
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N 140		OUND SURFACE	BEDROCK	CUT-OFF	STRIP	PING	
ii)		OUND SURFACE ASSUMED	верноск	CUT-OFF	S TRIP	PING LEGEND	VIOUS CORE
ii)			BEDROCK J		S TRIP	PING LEGEND	VIOUS CORE AND GRAVEL FILTE
id id		ASSUMED		EXCAVATE	STRIP FRENCH ON	PING LEGEND  (1) IMPER  (2) SAND	AND GRAVEL FILTE
ii)		ASSUMED	SECTION OF		STRIP FRENCH ON	PING LEGEND  (1) IMPER  (2) SAND	•
ដី 140	ORIGINAL GR	ASSUMED	SECTION OF	DAM EMBAI	STRIP FRENCH ON	PING LEGEND  (1) IMPER  (2) SAND	AND GRAVEL FILTE
ដី 140	ORIGINAL GR	ASSUMED	SECTION OF	DAM EMBAI	STRIP FRENCH ON	PING LEGEND  (1) IMPER  (2) SAND	AND GRAVEL FILTE
มี 140	ORIGINAL GR	MAXIMUM S	SECTION OF	DAM EMBAI	STRIP FRENCH ON	PING LEGEND  (1) IMPER  (2) SAND	AND GRAVEL FILTE
rofile of D	ORIGINAL GR	MAXIMUM S  OF SPILLWAY ( W = 13 M )	SECTION OF	DAM EMBAI	STRIP STRIP	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	original or	MAXIMUM S	SECTION OF	DAM EMBAI	STRIP STRIP	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	original or	MAXIMUM S  OF SPILLWAY (W-13M)	SECTION OF	DAM EMBAI	STRIP STRIP	PING LEGEND  (1) IMPER  (2) SAND  (3) RAND	AND GRAVEL FILTE
rofile of D	original or	MAXIMUM S  OF SPILLWAY ( W = 13 M )	SECTION OF	DAM EMBAI	STRIP STRIP	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	original or	MAXIMUM S  OF SPILLWAY (W-13M)	SECTION OF	DAM EMBAI	STRIP STRIP	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	original or	MAXIMUM S  OF SPILLWAY (W-13M)	SECTION OF	DAM EMBAI	STRIP STRIP ON ORIGINAL	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	am Axis:	MAXIMUM  OF SPILLWAY (W-13M)  OGEC CREST ELEY. 17,7.00	SECTION OF	DAM EMBAI  DAM EL.180.00 M	STRIP  ORIGINAL  ORIGINAL  STRIPPRIG  RENCH EXCAVATION	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	am Axis:	MAXIMUM S  OF SPILLWAY (W-13M)	SECTION OF	DAM EMBAI  DAM EL.180.00 M	STRIP  ORIGINAL  ORIGINAL  STRIPPRIG  RENCH EXCAVATION	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	am Axis:	MAXIMUM  OF SPILLWAY  (W-13M)  OGEE CREAT  ELEV. 17,700	SECTION OF SCAL	DAM EMBAI  DAM EL.180.00 M  DAM EL.180.00 A  CUT-OFF 1  0+140 0+16	ORIGINAL  ORIGINAL  STRIPPEIG  RENCH EXCAVATION  O 0+180 O	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	am Axis:	MAXIMUM  OF SPILLWAY  (W-13M)  OGEE CREAT  ELEV. 17,700	TOP OF	DAM EMBAI  E 1:1,000 M  DAM EL.180.00 A  CUT-OFF 1  0+140 0+16  ON IN METERS  NTERLINE O	ORIGINAL  ORIGINAL  STRIPPEIG  RENCH EXCAVATION  O 0+180 O	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D	am Axis:	MAXIMUM  OF SPILLWAY  (W-13M)  OGEE CREAT  ELEV. 17,700	TOP OF	DAM EMBAI  DAM EL.180.00 M  DAM EL.180.00 A  CUT-OFF 1  0+140 0+16	ORIGINAL  ORIGINAL  STRIPPEIG  RENCH EXCAVATION  O 0+180 O	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE
rofile of D  190  190  170  160  180  140  0+000  0	am Axis:	MAXIMUM S  OF SPILLWAY (W-13M)  OGEE CREST ELEV. 177.00  PRO	TOP OF STATE	DAM EMBAI E 1:1,000 M  DAM EL.180.00 M  CUT-OFF 1  0+140 D+16  OH IN METERS  NTERLINE O	STRIP ON  ORIGINAL  STRIPPEIG  RENCH EXCAVATION  O 0+180 O	PING LEGEND  (1) IMPER  (2) SAND  (3) RANDO	AND GRAVEL FILTE  DW FILL  D+240 0+20

SWIM PROJE	CT PROFILE	File No.: 88
Regist. No.: Agency No.: NIA-187	Name: BOGO-DONGON SWIP	
-		
Region: Provinc		pality:
8 Procent Status: (1) Pr	SOUTHERN LEYTE re-F/S(1989) 2. F/S(	MAASIN
Present Status: (1) Pr	8-1/0(1008) Z. 1/3(	) 3. D/D( )
Purpose: Major :	Irrigation	
	IF, FC, WM	
roject Feature:		
	im Type	: ZONED EARTHFILL
	nm Height Tective Storage Capacity	30 n
	bankment Volume	: 4,405,000 <sub>B3</sub>
	sign Flood Discharge	: 150,000 m3 : 170 m3/sec.
	rigation Area	: 260 ha
. Mini-hydropower : In		: - kW
, Watershed Man. : Wa	tershed Protection Area	: 555 ha
•	sign Supply Capacity	m3/day
, Inland Fishery : An	nual Production	: 93 ton/year
echnical Assessment:		
. Survey and Investiga	tion:	
	investigation are not co	nducted.
•		
. Planning		
Feasibility study s	hall be conducted.	
, , , ,		
Design		
Detailed design is	not conducted.	
	•	
Operation and Mainte	nance	
Not studied.		
and Requirements /1 AAA	Donog	Project Evaluation:
and Requirement: (1,000 Review	Pesos)	EIRR : 14.6 %
Feasibility Study	: V : 909	
Detailed Design	: 1,818	Priority Rating:
. Construction	- T = + W	Group : B
Dam	28,986	네 그림이 얼굴을 하셨다면 그가
Irrigation	: 6,293	Implementation Schedule:
Mini-Hydropower	: 0	Review : -
Water Supply	: 0	F/S : 1996 D/D : 1996
Watershed Protect Grand Total		D/D; 1996 Construction: Jul. 1997; 15 months
tana 10f9]	: 47,524	Constitution, outs and money

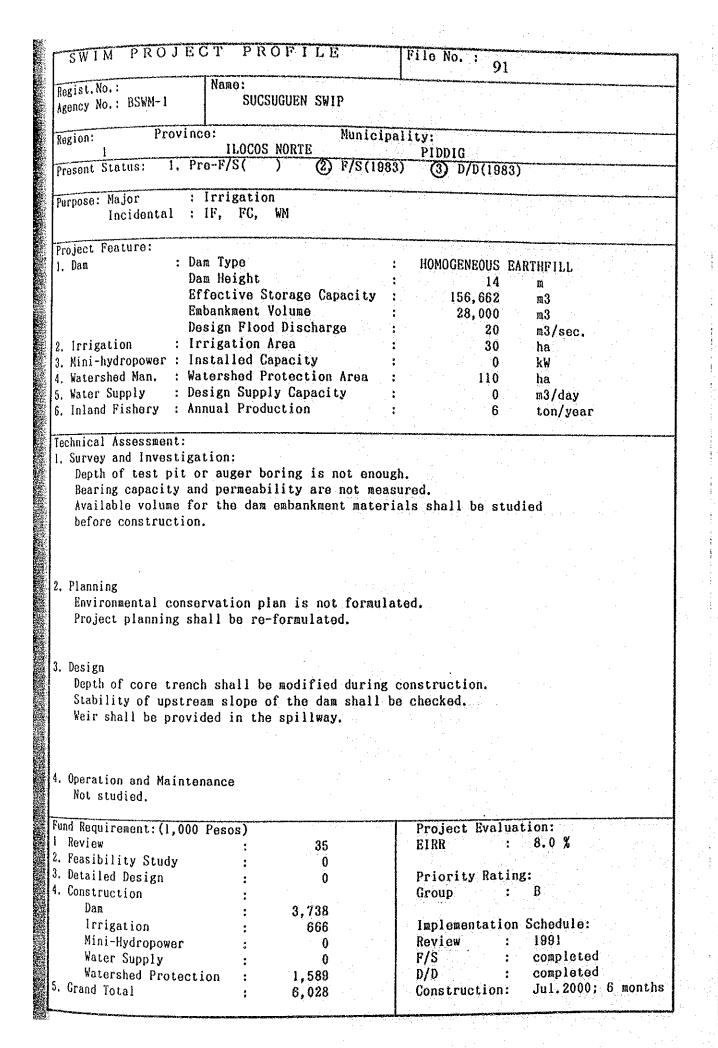
		Layout:
ILL n		en de la companya de Esta de la companya
m3 m3 m3/sec.		
ha kW ha m3/day		
ton/year		Typical Dam Section:
		₩ 110 ▼ N.W.S. EL. 107.00
		RIPRAP ON GRAYEL BEDDING 3 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	1	ORIGINAL GROUND SURFACE STRIPPING  ASSUMED BEDROCK  CUT-OFF TRENCH EXCAVATION  LEGEND
		(1) IMPERVIOUS CORE  (2) SAND AND GRAVEL FILTER  MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1:1,000 M  (3) RANDON FILL
		Profile of Dam Axis:
		OGEE CREST LI40  OGEE CREST LEL. 107.00  DRIGINAL GROUND SURFACE
		Z 120 TOP OF DAM EL. 110. 00 1
nation:		STRIPPING - OFF TRENCH EXCAVATION
ng: B		9 1000 0 1040 0 1080 0 1 160 0 1 800 0 1 240 0 1 280 0 1 320 0 1 360 0 1 400 0 1 440 0 1 480 0 1 620  8 TATION IN METERS  PROFILE ON CENTERLINE OF DAM
n Schedule:		SCALE 1:2,000 H
1996 1996 Jul. 1997; 15 months		Note:  Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S, D/D stage. Magnitude of design discharge should be at least more than 100 years.
	1	

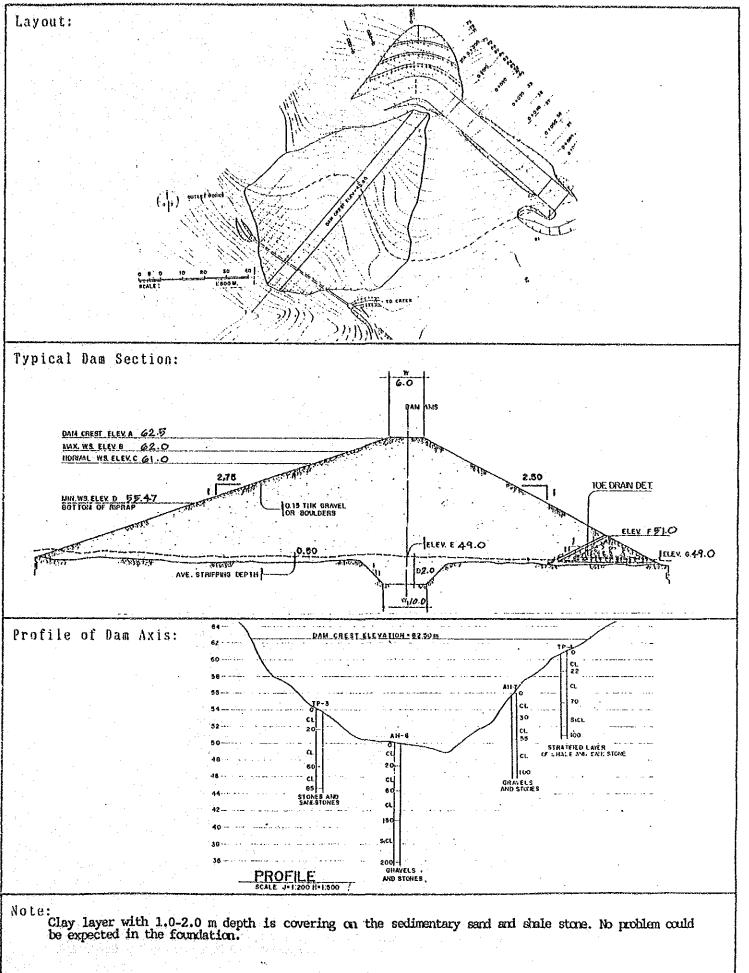
SWIM PROJE	ECT PROFILE	File No. : 89	March - the Section of the Section o
No.	Name:	07	
Regist.No.: Agency No.: NIA-188	LAN-AGAN SWIM	ing the state of t	
Region: Provi	SOUTHERN LEYTE	MAASIN	
Present Status: (1)	Pre-F/S(1989) 2. F/S(	) 3, D/D( )	
	: Irrigation : IF, FC		
Project Feature:	Dam Type	: ZONED EARTHFILI	
1 4 Dum	Dam Height	: 30	*
	Effective Storage Capacity	3,003,000	m3
	Embankment Volume	: 141,000	m3
•	Design Flood Discharge	59	m3/sec.
	Irrigation Area	: 110	ha
3. Mini-hydropower :			kW
4. Watershed Man. :	Watershed Protection Area	: 0	ha
	Design Supply Capacity	• -	m3/day
,	Annual Production	: 72	ton/year
2. Planning Feasibility study	shall be conducted.		
	•		
3. Design			
Detailed design is	s not conducted.		The state of the s
		•	
4. Operation and Main	tenance		
	tenance		
4. Operation and Main Not studied.	tenance		
Not studied.		Project Evalua	tion:
Not studied. Fund Requirement: (1,0)	00 Pesos)	Project Evalua EIRR :	tion:
Not studied. Fund Requirement: (1,0) I Review	00 Pesos) : 0	Project Evaluate EIRR :	
Not studied.  Fund Requirement: (1,0)  1 Review  2. Feasibility Study	00 Pesos) : 0 : 488		13.8 %
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Letailed Design	00 Pesos) : 0	EIRR :	13.8 %
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Letailed Design	00 Pesos) : 0 : 488 : 976	EIRR : Priority Rating	13.8 %
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Detailed Design  Construction  Dam	00 Pesos) : 0 : 488 : 976 : : 16,520	EIRR : Priority Rating	13.8 %
Fund Requirement: (1,0) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	00 Pesos) : 0 : 488 : 976 : : 16,520 : 2,663	EIRR : Priority Rating Group :	13.8 %
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Construction  Dam  Irrigation  Mini-Hydropower	00 Pesos) : 0 : 488 : 976 : 16,520 : 2,663 : 0	EIRR : Priority Rating Group : Implementation	13.8 %  Schedule:
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Construction  Dam  Irrigation	00 Pesos) : 0 : 488 : 976 : 16,520 : 2,663 : 0 : 0	EIRR : Priority Rating Group : Implementation Review :	13.8 % g: B Schedule:

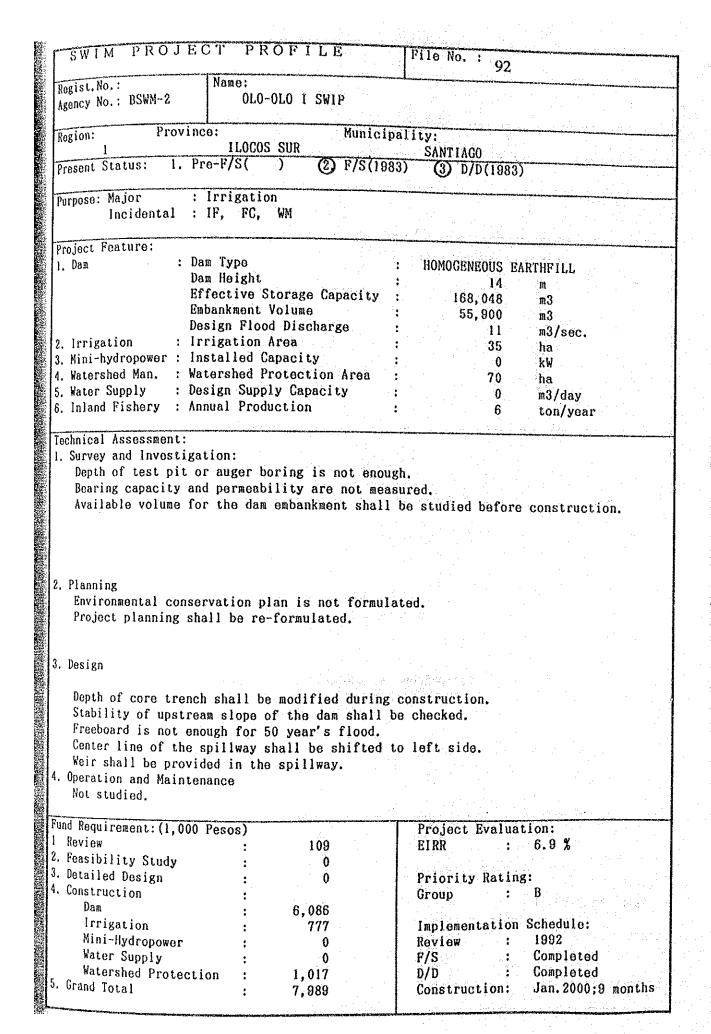
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		No.			
pical Dam Section:		OF DAH		· <del>/ · · · · · · · · · · · · · · · · · ·</del>	
160	<b>√</b> N.W.S. EL. 142.00	5.00	OP OF DAM EL.145.00		÷
RIPRAP ON SPAVEL BEDG	3) (3) (2)				
\$ 120	TO THE PART OF THE				
- 110	ROUND SURFACE	A SOUTH STATE OF THE STATE OF T	Man.	110	
- 110	ROUND SURFACE	)	ATION (	LEGEND    IMPERVIOUS CO	
ORIGINAL 8	ROUND SUNFACE,	CUT-OF EXCAVA	FTRENCH 1	LEGEND	
ORIGINAL 8	ROUND SURFACE?	N OF DAM EMB	FTRENCH 1	LEGEND  () IMPERVIOUS CO  (2) SAND AND GRAV	
ofile of Dam Axis:	ROUND SURFACE?	N OF DAM EMB	FTRENCH 1	LEGEND  (1) IMPERVIOUS CO (2) SAND AND GRAV (3) RANDON FILL	
original e	ASSUMED BEDROCK -	N OF DAM EMB	ANKMENT	LEGEND  (1) IMPERVIOUS CO (2) SAND AND GRAV (3) RANDOM FILL  HD SURFACE	EL FILTER
Ofile of Dam Axis:  Ofile of Dam Axis:  OF SPILLWAY (W*IOM)  160  OGE CREST ELEV. 142.00	ASSUMED BEDROCK -	N OF DAM EMB.	ANKMENT	LEGEND  (1) IMPERVIOUS CO (2) SAND AND GRAV (3) RANDON FILL	EL FILYER
Offile of Dam Axis:  Offile of Dam Axis:  OF SPILLWAY (W*10M)  180  OGEE CREST ELEV. 142.00	ASSUMED BEDROCK -	N OF DAM EMB. SCALE 1:1,000 H	A NKMENT	LEGEND  (1) IMPERVIOUS CO  (2) SAND AND GRAV  (3) RANDOM FILL  HD SURFACE  STRIPPING	EL FILYER
OF SPILLWAY  (W*10M)  160  140  120  140  120  140  120  0+000  0+040  0+06d	ASSUMED BEDROCK -	N OF DAM EMB. SCALE 1:1,000 M	ORIGINAL GROU	LEGEND  (1) IMPERVIOUS CO (2) SAND AND GRAV  (3) RANDOM FILL  HD SURFACE  STRIPPING	EL FILYER
ofile of Dam Axis:  of spillway (w*ioM)  ito  oget chest ELEV. 142.00  140  120  100	ASSUMED BEDROCK	N OF DAM EMB. SCALE 1:1,000 M	ORIGINAL GROU	LEGEND  (1) IMPERVIOUS CO (2) SAND AND GRAV  (3) RANDOM FILL  HD SURFACE  STRIPPING	EL FILVER
original e	MAXIMUM SECTIO	N OF DAM EMB. SCALE 1:1,000 M  TOP OF DAM EL. 145.00  CUT-0	ORIGINAL GROUD OFF TRENCH EXCAVATION O+320 O+360	LEGEND  (1) IMPERVIOUS CO (2) SAND AND GRAV  (3) RANDOM FILL  HD SURFACE  STRIPPING	EL FILYER

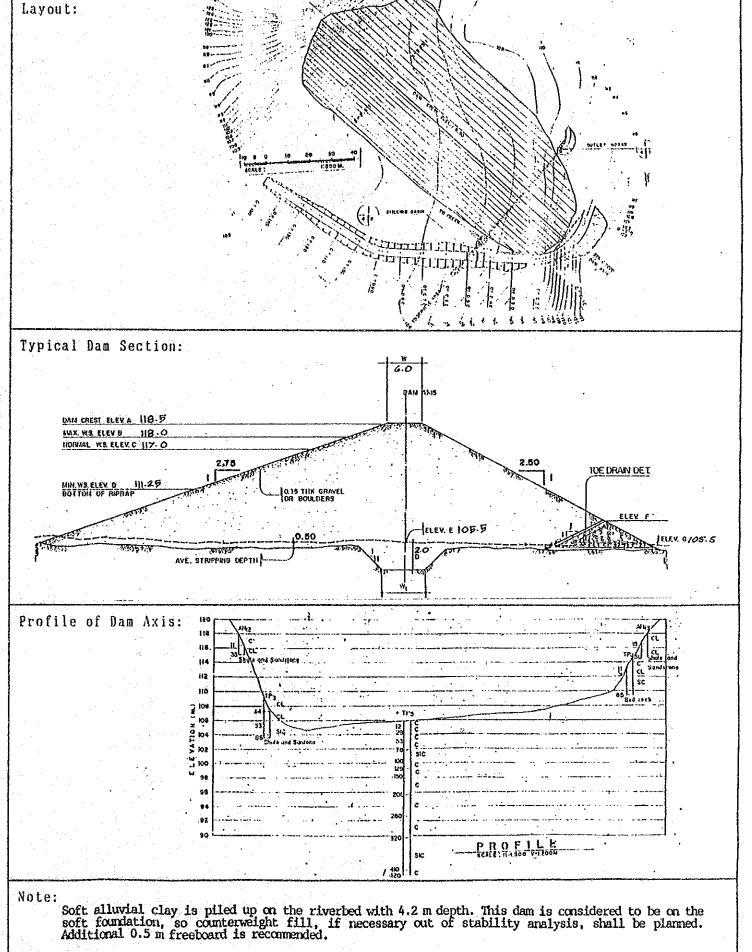
SWIM PROJ	ECT PROFILE File No.: 90	
Lat No. 1	Name:	
Regist, No.: Agency No.: NIA-190	KAMANSI-RIZAL SWIP	
Region: Prov	vince: Municipality:	····
8 Present Status: (1)	SOUTHERN LEYTE TOMAS OPPUS Pre-F/S(1989) 2. F/S( ) 3. D/D( )	
Present Status.	) Pre-F/S(1989) 2. F/S( ) 3. D/D( )	
Purpose: Major Incidental	: Irrigation : IF, FC	
		100
Project Feature:	Don Tuno	
1. Dan	Dam Type : ZONED EARTHFILL Dam Height : 30 m	
	Effective Storage Capacity: 6,031,000 m3	
	Embankment Volume : 160,000 m3	
A 1	Design Flood Discharge : 350 m3/sec.	
	Irrigation Area : 346 ha Installed Capacity : - kW	
	Watershed Protection Area : 0 ha	:
	Design Supply Capacity : m3/day	. 13
6. Inland Fishery :	Annual Production : 122 ton/year	
Technical Assessment		
1. Survey and Invest:	igation:	
Detailed survey a	and investigation are not conducted.	
		1
2. Planning		:
<del>-</del>	y shall be conducted.	
3. Design		4
<del>-</del>	is not conducted.	41
	en german e	
		•
4 0		
<ol> <li>Operation and Mair Not studied.</li> </ol>	ntenance	
not addited.		
Fund Requirement: (1,0	000 Pesos) Project Evaluation:	-
Review	: 0 EIRR : 14.0 %	
2. Feasibility Study 3. Detailed Design	: 1,297 : 2,593 Priority Rating:	
4. Construction	Group : B	
Dam	: 41,856	
Irrigation	: 8,351 Implementation Schedule:	
Mini-Hydropower Water Supply	r : 0 Review : - 0 P/S : 1996	
Watershed Prote	ection : 0 D/D : 1996	
5. Grand Total	: 54,097 Construction: Jul. 1997; 18 mo	nths

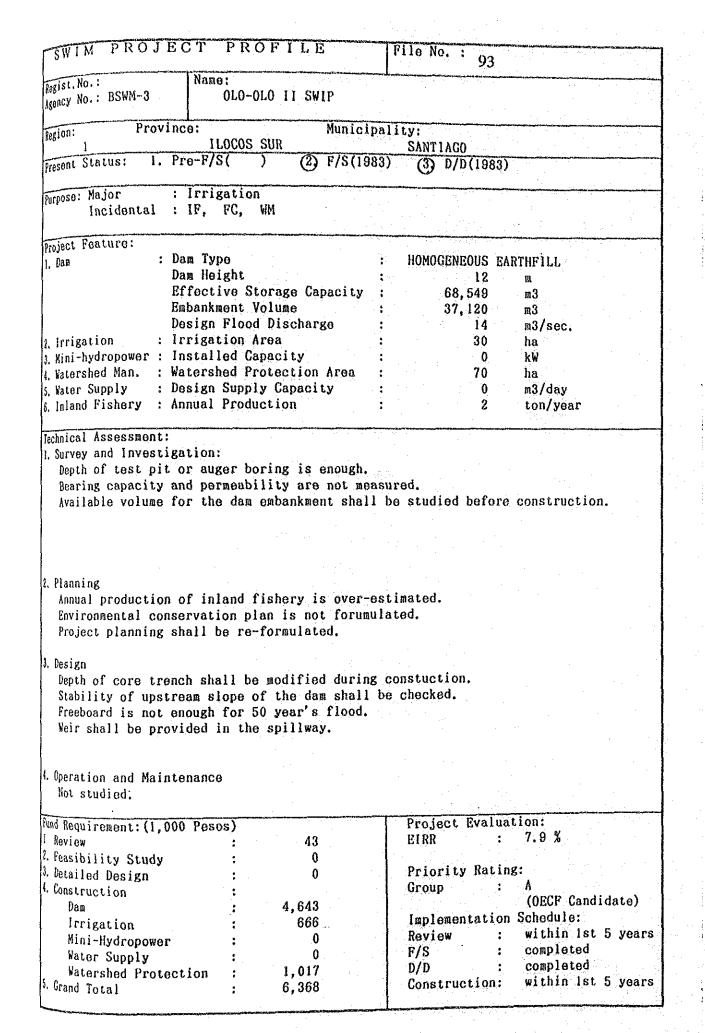
KAMANSI-RIZAL SWIP  MUNICIPALITY  TOMAS OPPUS  S(1880) 2. F/S( ) 3. D/D( )  gation  FC   PO : ZONED EARTHFILL  iight : 30 m  iig	F116 No. : 90	Layout:
DO TROMS OPPES  (TOMS O PPES  (TOMS O PPES  (TOMS O SATHFILL)  100  101  102  103  103  104  105  105  105  105  105  105  105	me: KAMANSI-RIZAL SWIP	
DO TROMS OPPUS  (TOMS) PPUS  (TOMS) OPPUS  (	Municipality:	
pro	SOUTHERN LEYTE TOMAS OPPUS	
ight  100 Storeso Capacity	gation	
ment Volume : 160,000 m3 Flood Discharge : 350 m3/ssc. tion Area : 346 ha hold Capacity : - k/ hold Production Area : 0 ha Supply Capacity : - m3/day Production : 122 ton/year  Typical Das Section:  Typical Das Section: Typical Das Section: T	ight:	
led Capacity : Na held Protection Area : 0 ha Supply Capacity : n3/day Production : 122 ton/year    Typical Das Section: or DAN    Typical Das Section: or	ment Volume : 160,000 m3 Flood Discharge : 350 m3/sec.	
Profile of Dam Axis:    Profile of Dam Axis:	led Capacity : - kW hed Protection Area : 0 ha	
De conducted.    Total   Project Evaluation:		Typical Dam Section:
be conducted.  De conducted. De conducted. De conducted. De conducted. De conduct		
be conducted.  De con	estigation are not conducted.	Z 180 010000 ON 2.0
De conducted.  De conducted. De conducted. De conducted. De conducted. De conduct		© 170 — 1 3 0 2 4 2 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
be conducted.  MAXIMUM SECTION OF DAM EMBANKMENT  SALE 1:4,000 M  Profile of Dam Axis:  Profile of Dam Axis:  OF SPICINAL  SPICINAL  TOP OF DAM EL. 100.00  SPICINAL  TOP OF DAM EL. 100.00  SPICINAL  TOP OF DAM EL. 100.00  TOP OF DAM EL. 100.00  TOP OF DAM EL. 100.00  SPICINAL  SPROFILE ON CENTERLINE OF DAM  SCALE 1:4,000 M  SC		ORIGINAL BROUND SURFACE  ASSUMED BEOROCK  CUT-OFF TRENCH EXCAVATION  LEGEND
Profile of Dam Axis:    Profile of Dam Axis:	be conducted.	(1) IMPERVIOUS CORE (2) BAND AND GRAVEL FILTER
DS)		MAXIMUM SECTION OF DAM EMBANKMENT  SCALE 1: 1,000 H
220 210 210 210 210 210 210 210 210 210	conducted.	Profile of Dam Axis:
OS)  Project Evaluation:  1, 297  2, 593  Priority Rating:  Group: B  41,856  8,351  Implementation Schedule:  0 Review:  0 Review:  0 Review:  1, 296  Note:		220
DS)  Project Evaluation:  1,297  2,593  Priority Rating:  Group: B  41,856  8,351  Implementation Schedule:  Review:  0 Review:  0 Ref. 1996		
1,297		5 180 170 177 177 177 177 177 177 177 177 17
### 2,593   Priority Rating:	ETRR : 14.0 %	150 STRIFFENS CUT- OFF TRENCH EXCAVATION
#1,856  8,351 Implementation Schedule:  Review :  0 Review :  Note:	: 2,593 Priority Rating: : B	0 + 260 0 + 280 0 + 320 0 + 320 0 + 360 0 + 360 0 + 360 0 + 420 0 + 440 0 + 460 0 + 460 0 + 800 0 + 800 0 + 800
P/S 1996	: 8,351 Implementation Schedule:	PROFILE ON CENTERLINE OF DAM
- Interview the state of the st	: 0 F/S : 1996 : 0 D/D : 1996	Note:  Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological investigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of impervious blanket, would be decided through F/S. D/D stage.
		The state of the s

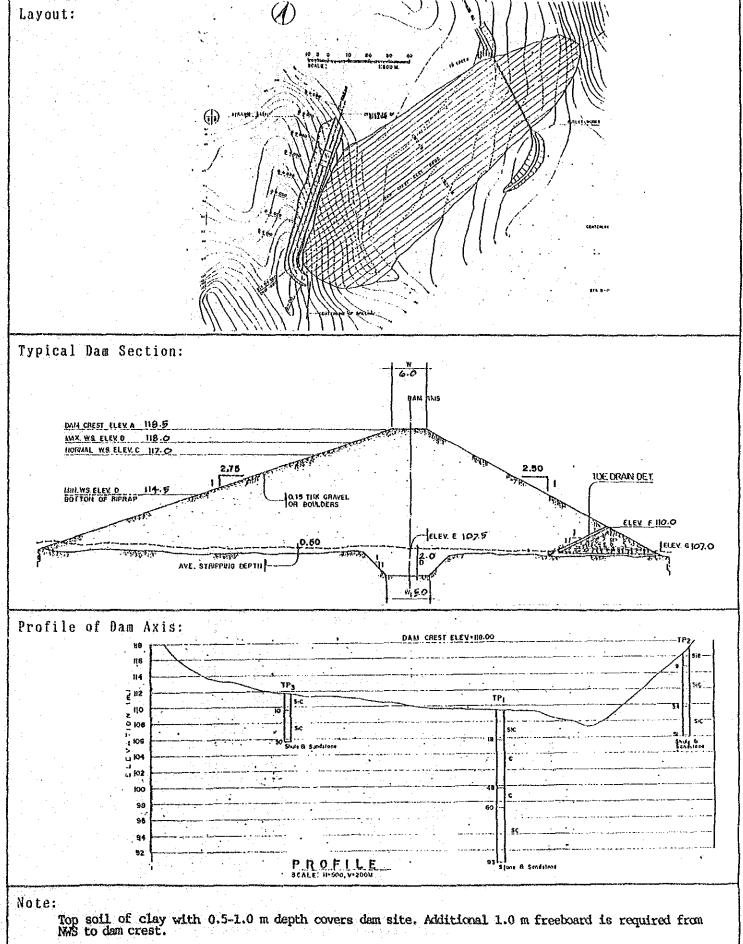


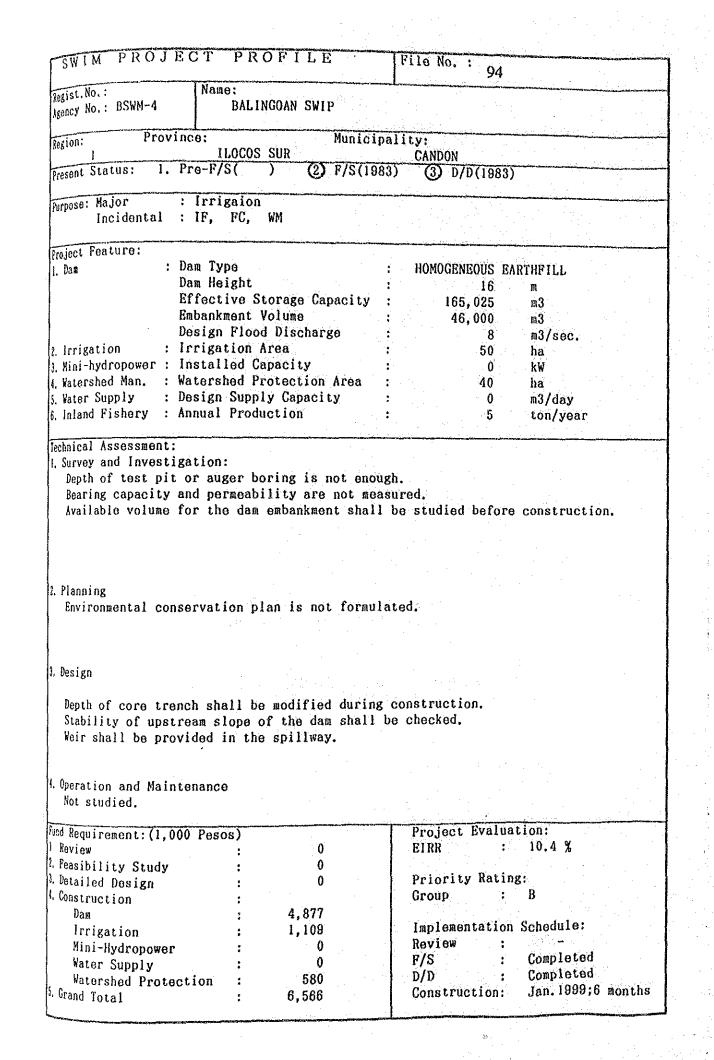


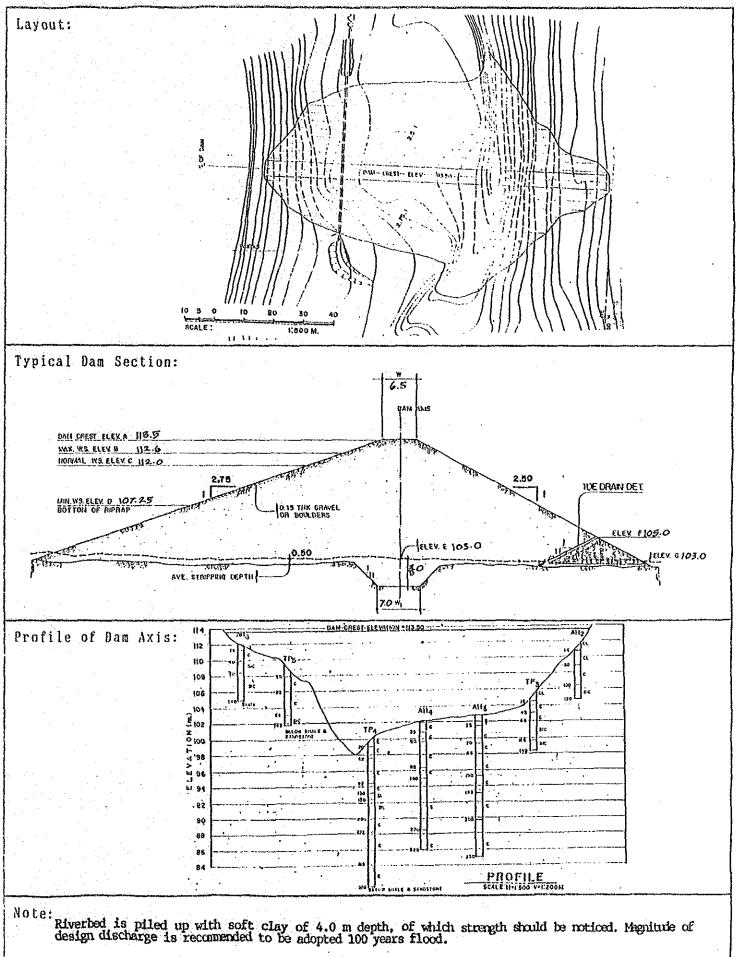


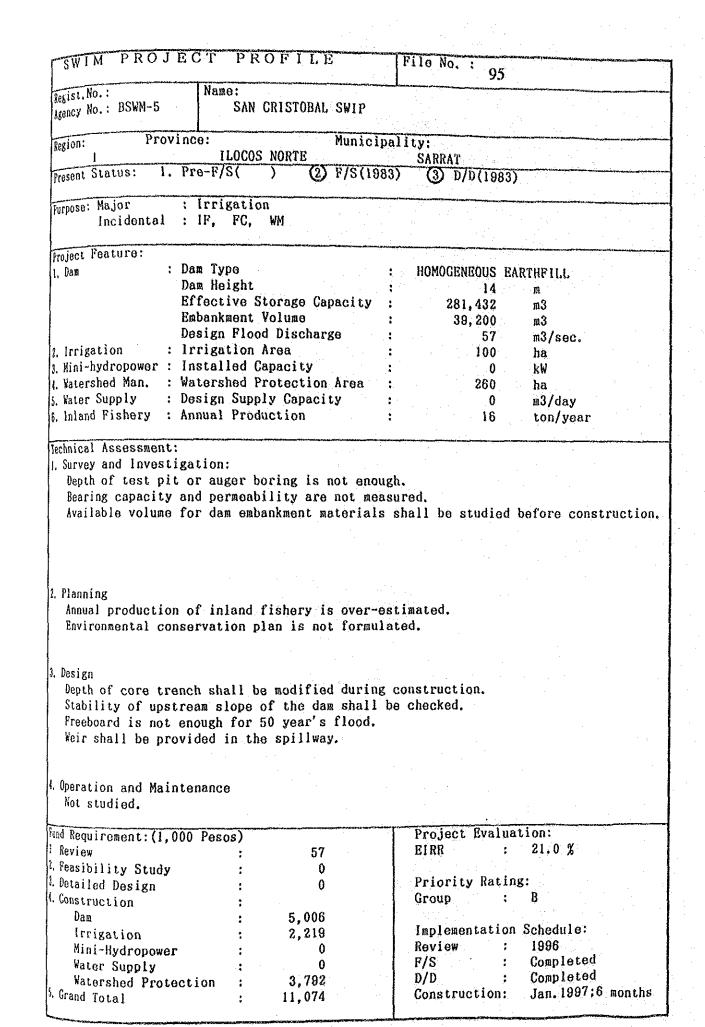


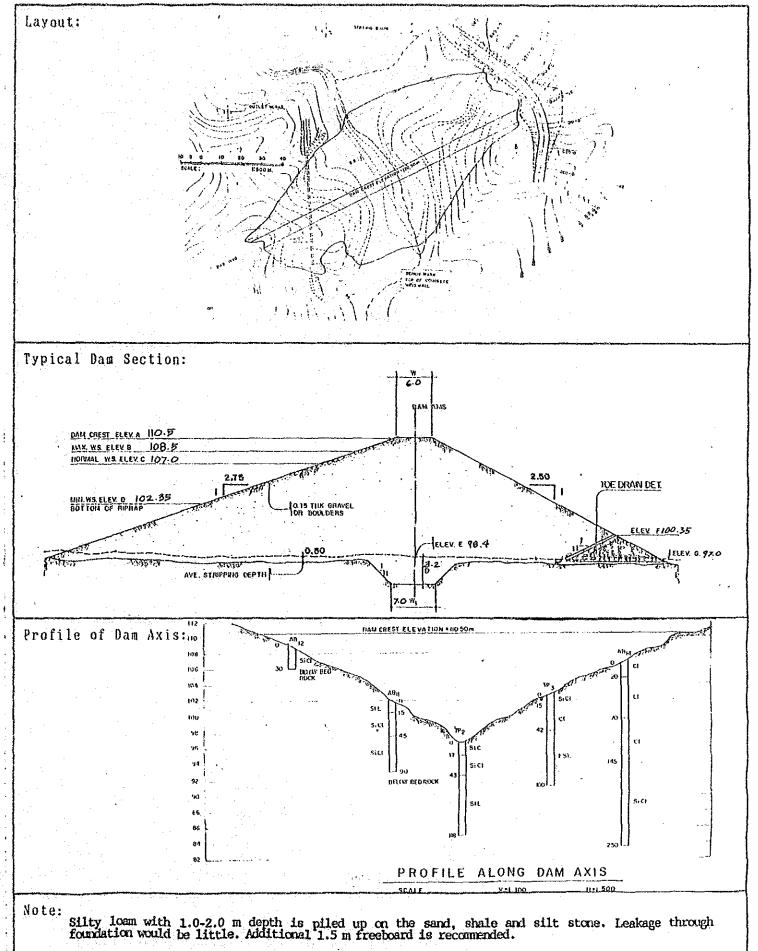


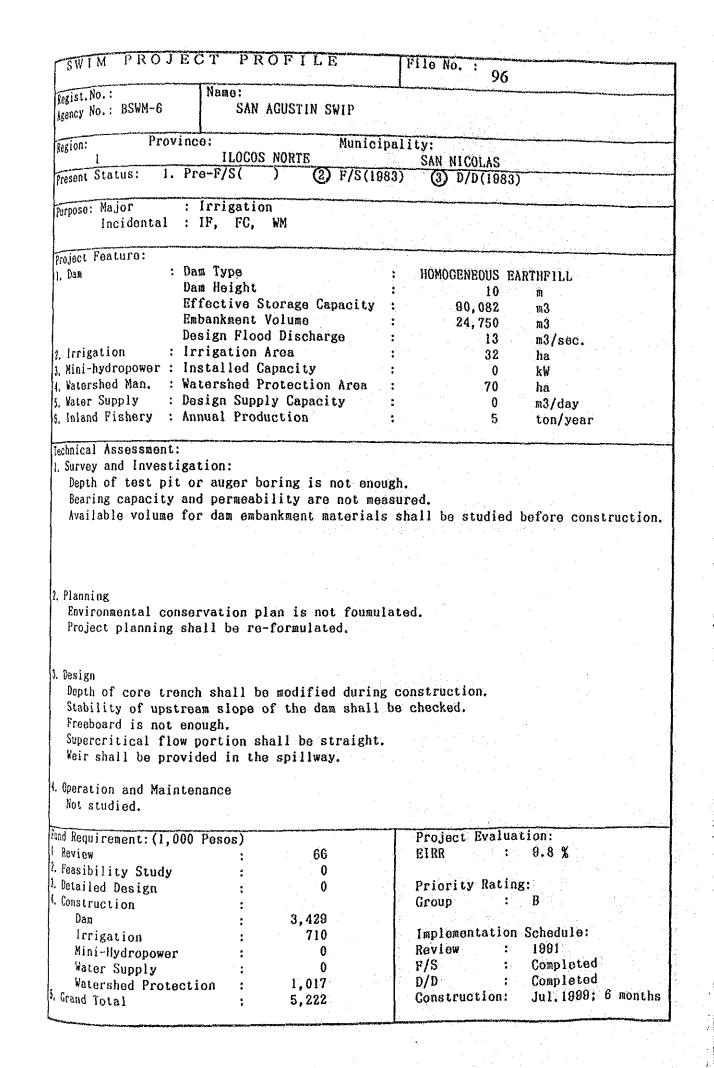


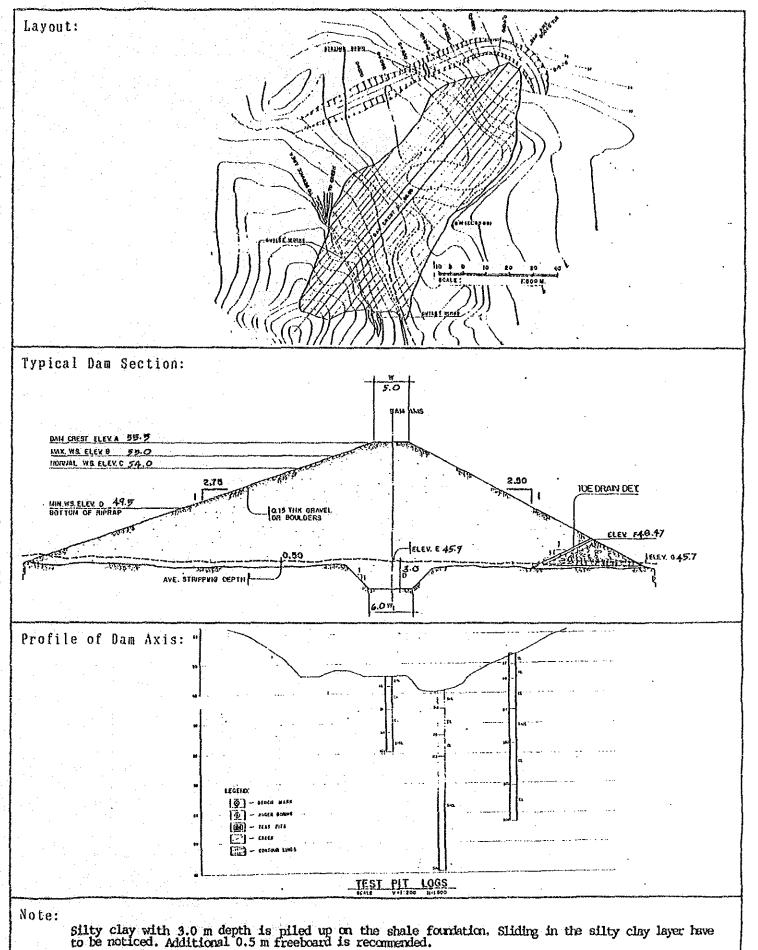


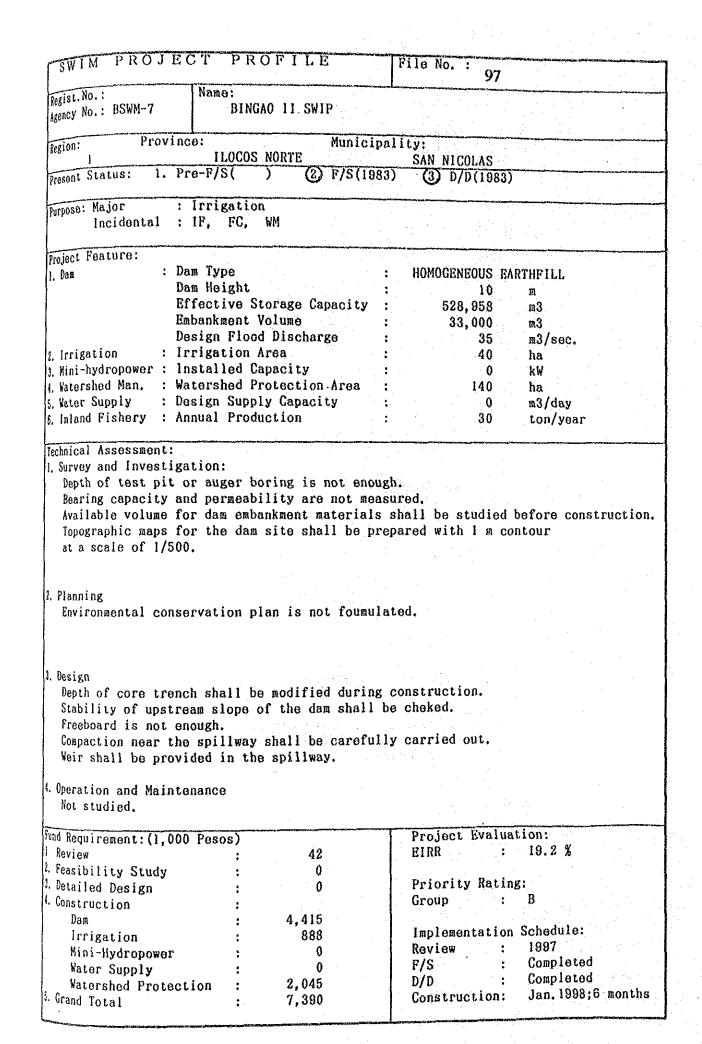


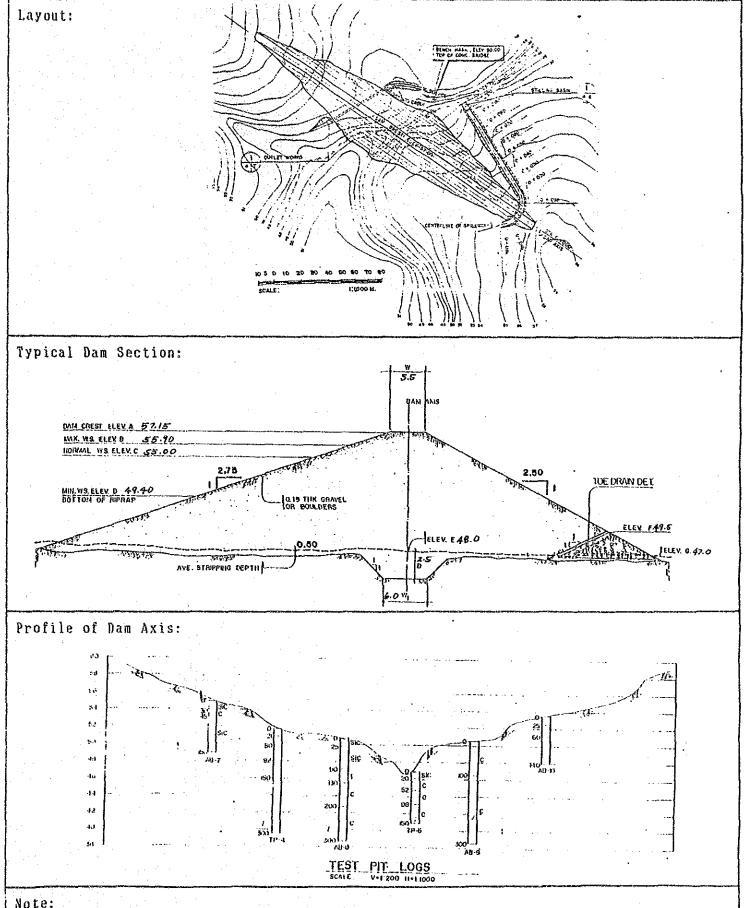












Slip along the ground surface slope should be noticed in the course of excavation. Additional 0.5 m freeboard is necessary.

