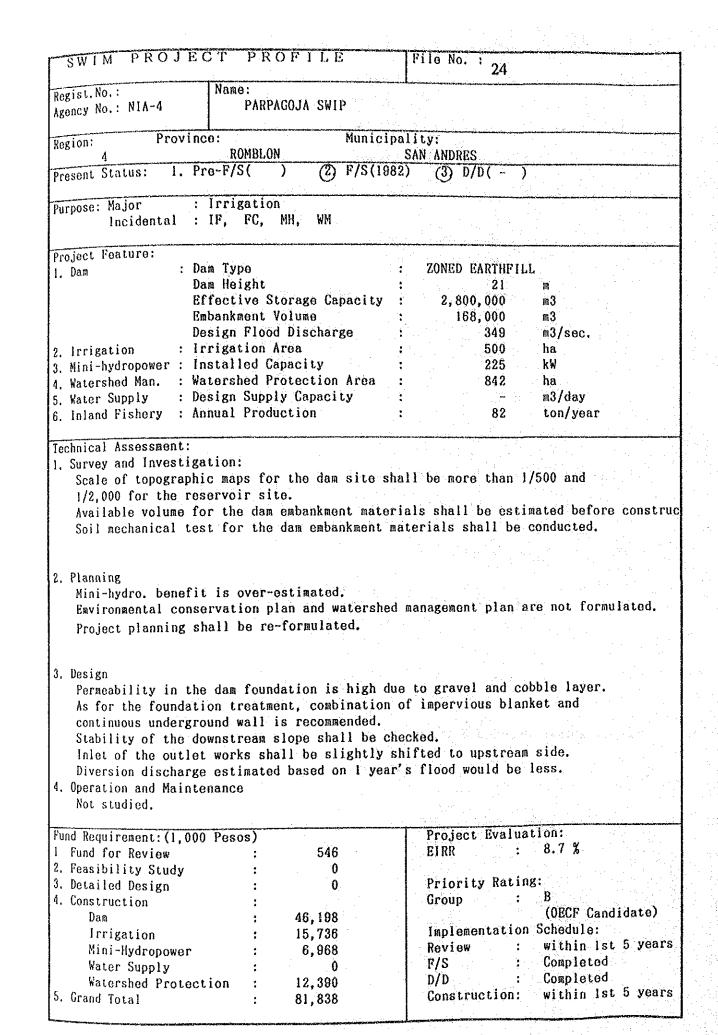
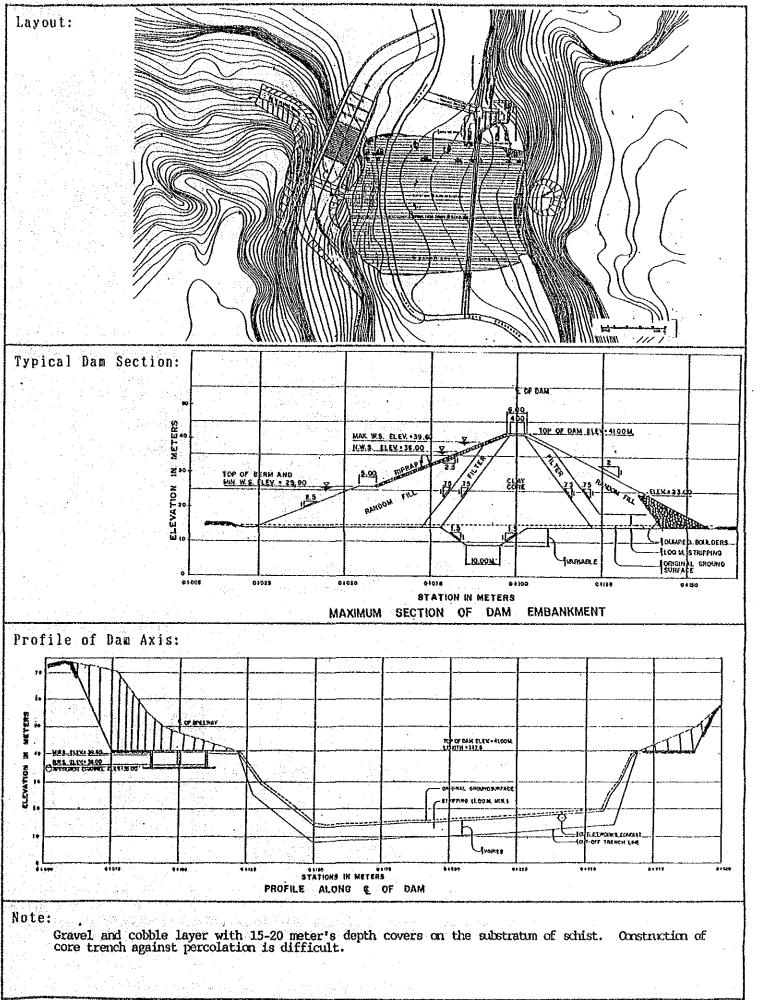
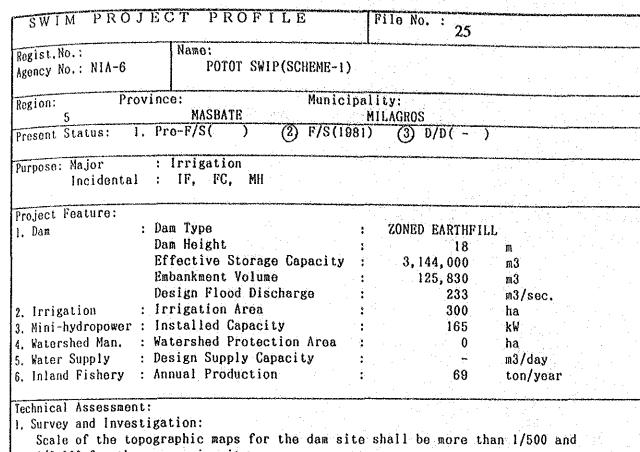
SWIM PROJECT PROFILE	File No.: 23
Regist, No.: Name:	A STATE OF THE STA
gency No.: DPWH-33 LIBASAN SWIP	
egion: Province: Munici	ipality:
11 DAVAO DEL NORTE	NABUNTURAN,
resent Status: 1, Pre-F/S( ) ② F/S(18	984) 3. D/D( )
urpose: Major : Irrigation Incidental : IF, FC	
Incidental : it, to	
roject Feature:	
. Dam : Dam Type	: ZONED EARTHFILL
Dam Height	: 10 m
Effective Storage Capacity	: 371,861 m3
Embankment Volume	: 15,480 m3
Design Flood Discharge	: N.D. m3/sec.
Irrigation : Irrigation Area	: 136 ha
Mini-hydropower: Installed Capacity	kW
Watershed Man. : Watershed Protection Area	: 0 ha
Water Supply : Design Supply Capacity Inland Fishery : Annual Production	: 0 m3/day
. Inland Fishery : Annual Production	ton/year
echnical Assessment:	
Survey and Investigation:	
Results of survey and investigation are not	mentioned.
2. Planning	
Run-off analysis, flood analysis and determi	nation of reservoir capacity are not
carried out.	
Formulation of irrigation development plan i Agricultural benefit is over-estimated.	s not mentioned.
Environmental conservation plan is not formu	lated.
birtionmental conservation plan to not lord	
. Design	
Plan of dam is not shown in the reports.	
Spillway is designed as a gated inlet type,	but it is recommended to modify
the design to a chute type one.	
1. Operation and Maintenance	
Not studied.	
und Requirement: (1,000 Pesos)	Project Evaluation:
Fund for Review : 0	EIRR : 16.6 %
Feasibility Study : 285	Dulanten Daelan.
Detailed Design : 570	Priority Rating:
Construction :	Group : B
Dam : 7,888	Inclores to the Schodules
Irrigation : 3,155	Implementation Schedule:
Mini-Hydropower : 0	Review : 1995
Water Supply : 0	F/S : 1995 D/D : 1995
Watershed Protection : 0 Grand Total : 11,897	Construction: Jul. 1996;6 months
	Onto et de carana de a vano la managa de la

<del></del>	1	Layout:
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un anniana epperantes esta esta esta esta esta esta esta e	_	
		Typical Dam Section:
are not		
		Profile of Dam Axis:
fy		
1. <b>y</b>		
A		
· · · · · · · · · · · · · · · · · · ·	-	
		Note:   The company of the company o
		No design drawing in report.
;6 months		
	J	
A transfer of the second		







1/2,000 for the reservoir site.

Soil mechanical test for the dam embankment materials shall be conducted. Test of consolidation, bearing capacity, strength and permeability in layer shall be conducted.

## 2. Planning

Scale of mini-hydropwoor is not reasonable. Agricultural benefit and mini-hydro. benifit are over-estimatd. Environmental conservation plan is not formulated.

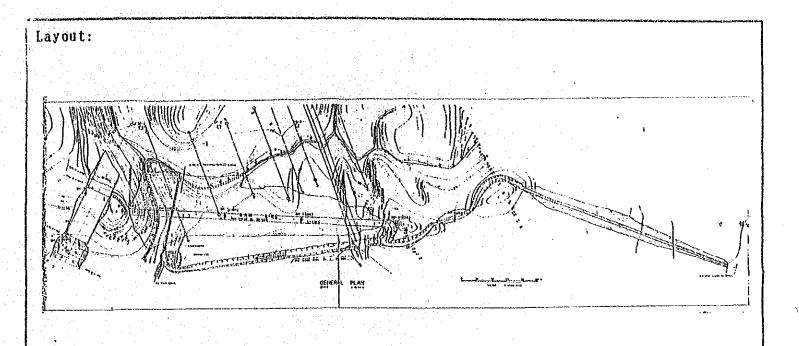
## 3. Design

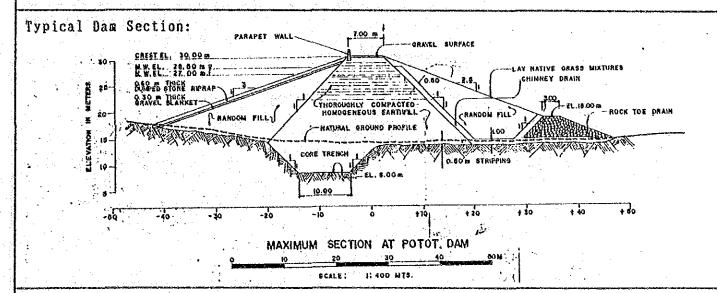
Excavation line of core trench shall be in clay layer. Weir shall be provided in the spillway. Inlet of outlet works is recommended to be located in outside of dam embankment. Design discharge for diversion works is not mentioned. Conduit with 0.60 m diameter for diversion works would be small.

4. Operation and Maintenance

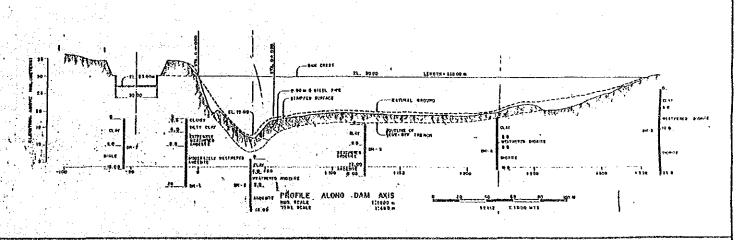
Not	studied.

Fund Requirement: (1,000 Peso	os)			Project Evaluation:
l Fund for Review	:	270		EIRR : 13.2 %
2. Feasibility Study	:	0		
3. Detailed Design	:	0		Priority Rating:
4. Construction	1			Group : A
Dan	:	22,244		(OECF Candidate)
Irrigation	:	6,656		Implementation Schedule:
Mini-Hydropower	;	6,357	· ĺ	Review : within 1st 5 years
Water Supply	:	0		F/S : Completed
Watershed Protection	;	0		D/D : Completed
5. Grand Total	:	35,528		Construction: within 1st 5 years

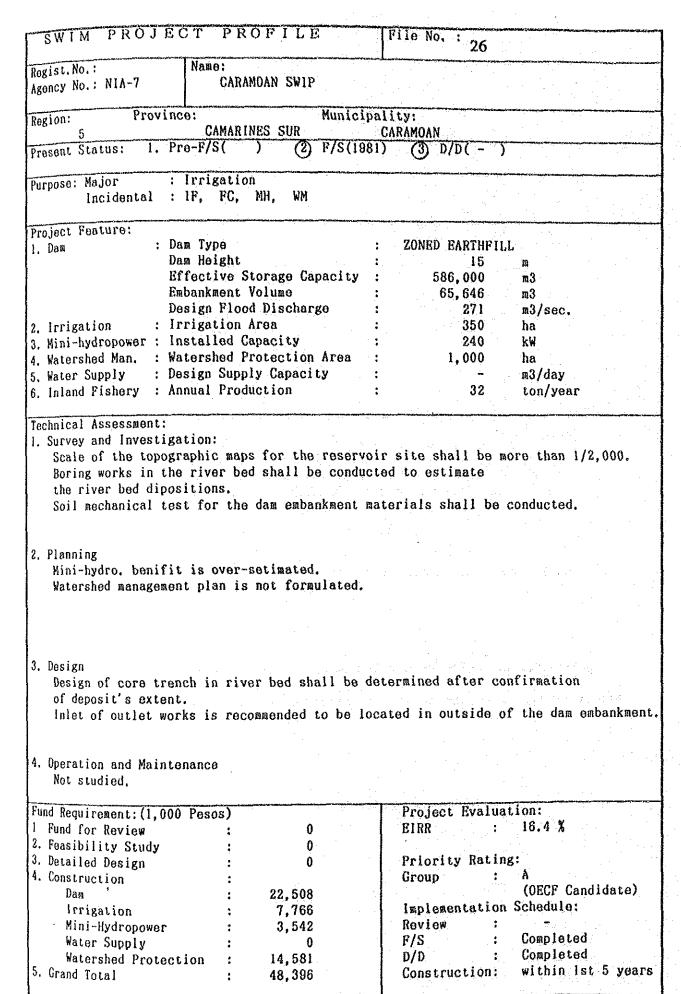


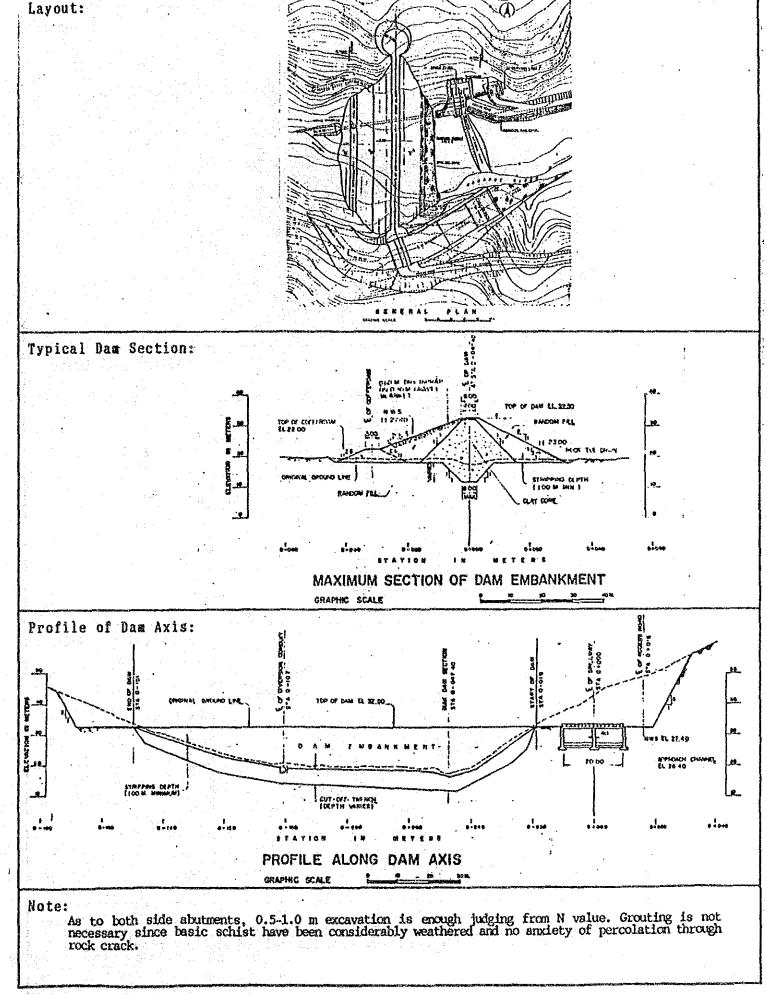


Profile of Dam Axis:

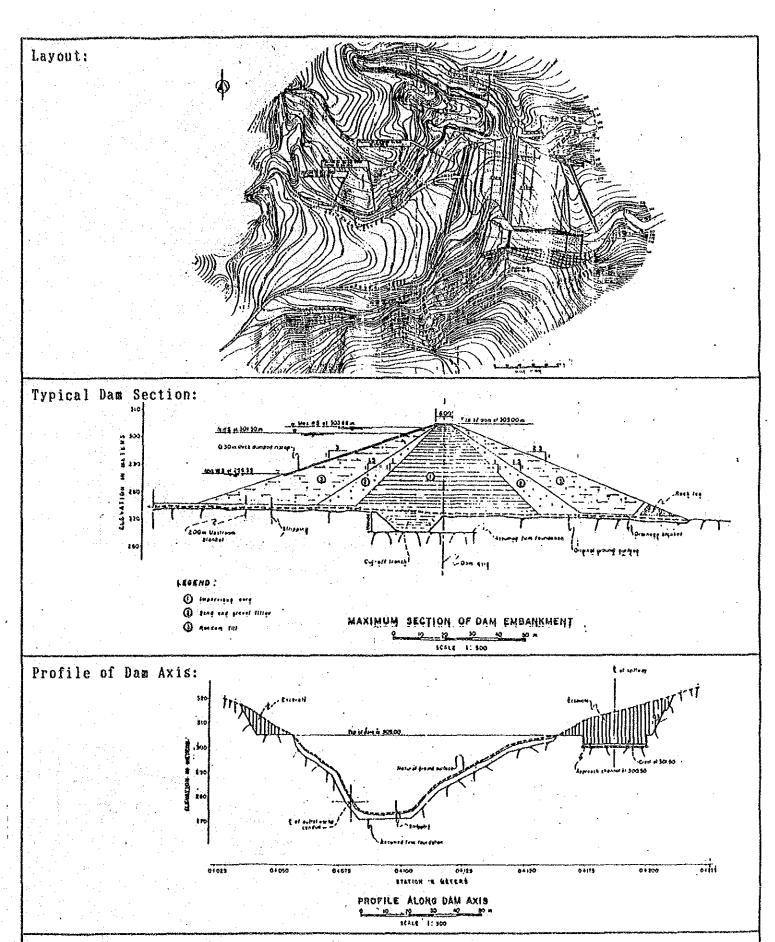


Note: Dem foundation is highly weathered. Additional survey on consolidation, bearing capacity and permeability for clay layer are required for final dam design.

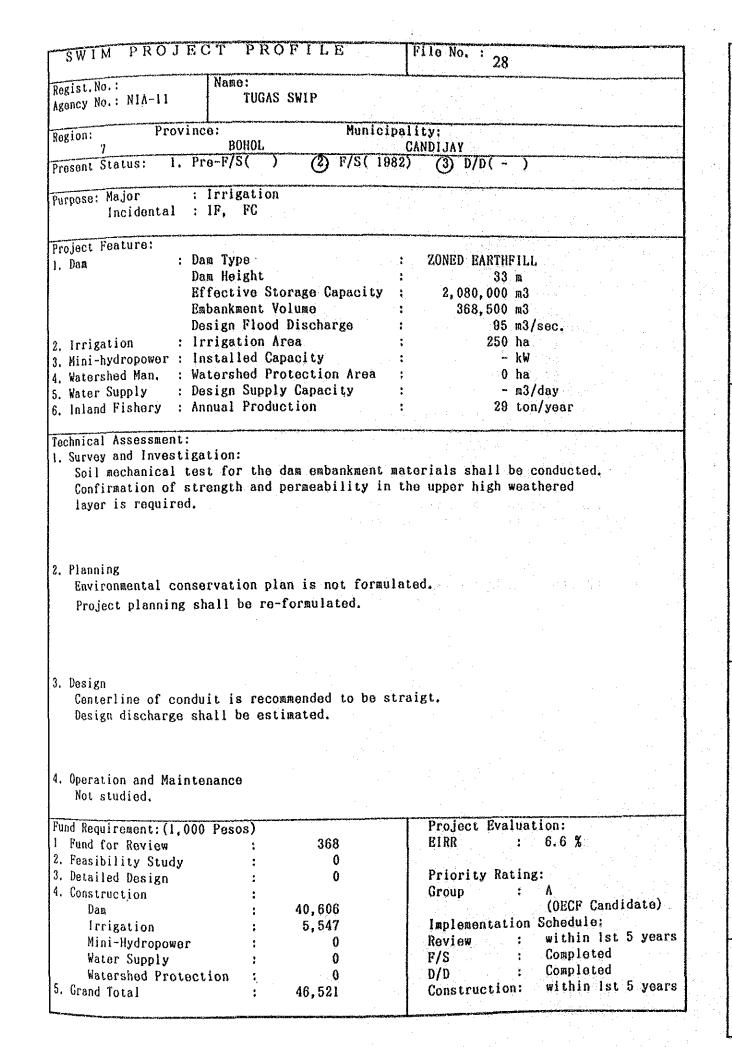


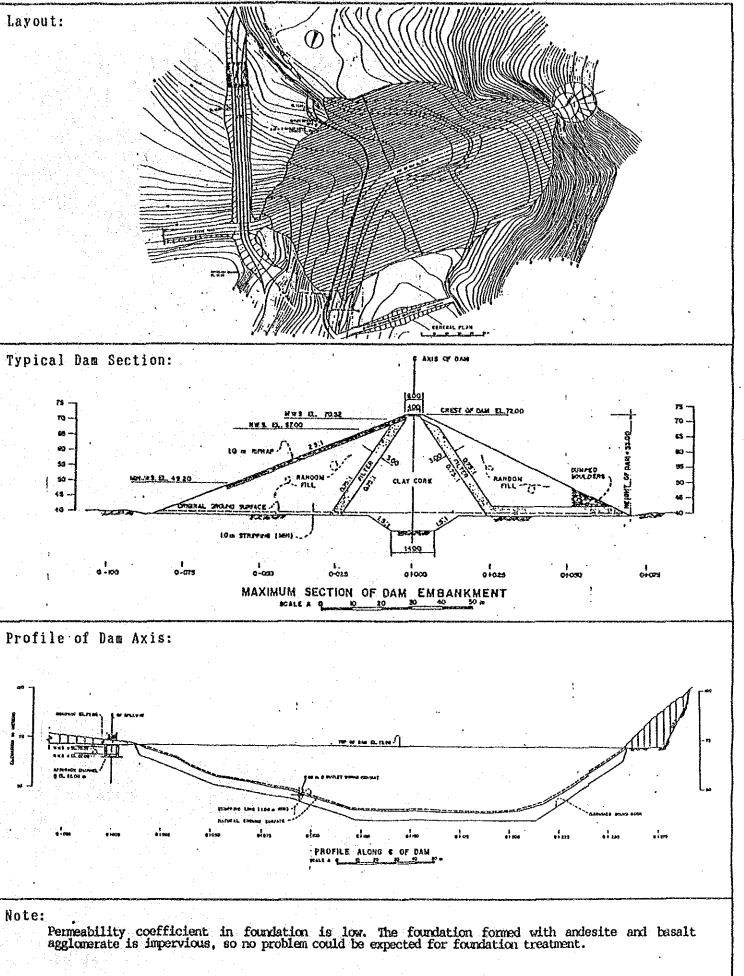


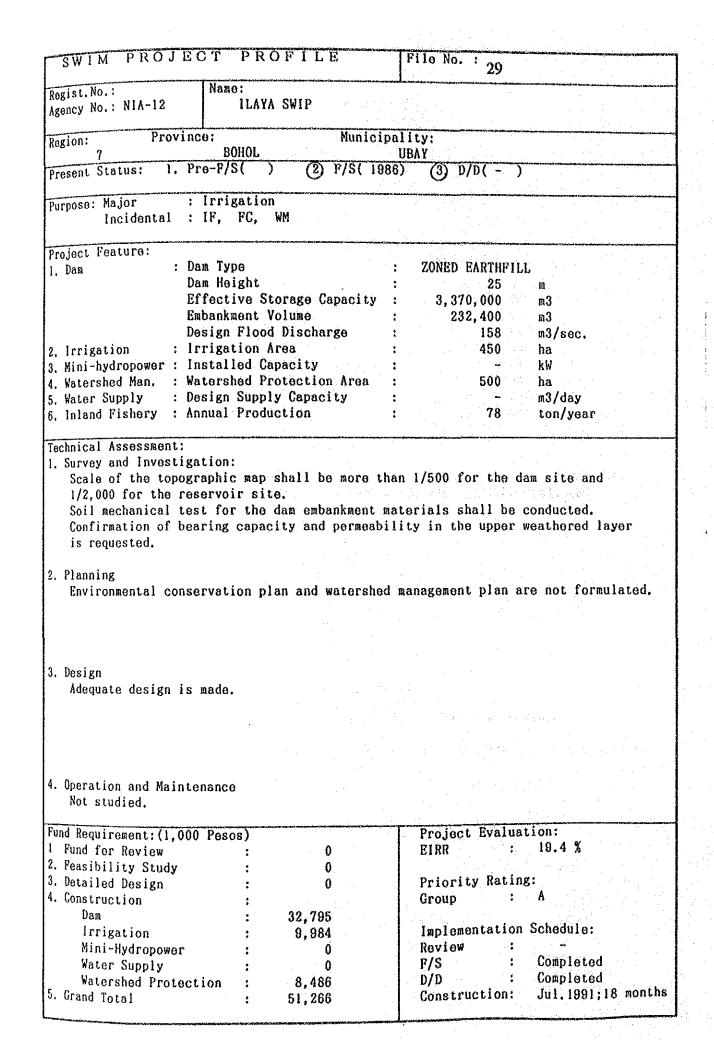
	ILE File No. : 27	
Regist. No.: Name:		~ <del></del>
Agency No.: NIA-8 NASIG-II	D SWIP	
Region: Province:	Municipality:	- Kanpanan
7 NEGROS ORI		
Present Status: 1. Pre-F/S( )	② F/S( 1985) ③ D/D( - )	
Purpose: Major : Irrigation	The state of the s	شسين
Incidental : IF, FC, WM		
Project Feature:  Dam Type	: ZONED EARTHFILL	
1. Dam : Dam Type Dam Height	: 30 m	
Effective Store		
Embankment Volu		
Design Flood Di		: :
2. Irrigation : Irrigation Area		٠.
3. Mini-hydropower : Installed Capac		
4. Watershed Man. : Watershed Prote	ection Area : 482 ha	
5. Water Supply : Design Supply C		
6. Inland Fishery : Annual Producti		
0, 1112010 7 2204-9		
0 1 !		
	and watershed management plan are not formulate	d.
Environmental conservation plan:	and watershed managemant plan are not formulate	d.
		d.
Environmental conservation plan:		d.
Environmental conservation plan Project planning shall be re-for		d.
Environmental conservation plan: Project planning shall be re-for 3. Design	rmulated.	d.
Environmental conservation plan Project planning shall be re-for 3. Design Grouting works under the core tr		d.
Environmental conservation plans Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme	rmulated.  rench is recommended to avoid the percolation  ended to be located in outside of dam embankment	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure.	rmulated.  rench is recommended to avoid the percolation  ended to be located in outside of dam embankment	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme	rmulated.  rench is recommended to avoid the percolation  ended to be located in outside of dam embankment	
Environmental conservation plant Project planning shall be re-formally as a second of the core to failure.  Inlet of outlet works is recommended besign discharge shall be estimated.	rmulated.  rench is recommended to avoid the percolation  ended to be located in outside of dam embankment	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance	rmulated.  rench is recommended to avoid the percolation  ended to be located in outside of dam embankment	
Environmental conservation plant Project planning shall be re-formally as a second of the core to failure.  Inlet of outlet works is recommended besign discharge shall be estimated.	rmulated.  rench is recommended to avoid the percolation  ended to be located in outside of dam embankment	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.	raulated.  rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)	raulated.  rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation:	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Fund for Review :	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 %	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Fund for Review 2. Feasibility Study	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation:  1,764  EIRR : 4.9 %	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Fund for Review 2. Feasibility Study 3. Detailed Design	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 % O Priority Rating:	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Fund for Review 2. Feasibility Study 3. Detailed Design 4. Construction	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 %  Priority Rating: Group : B	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Fund for Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam  2. Fund Fund Fund Fund Fund Fund Fund Fund	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 % OPTIOTITY Rating: Group : B	
Environmental conservation plant Project planning shall be re-form  3. Design Grouting works under the core trifailure. Inlet of outlet works is recommended besign discharge shall be estimated.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Peson) 1 Fund for Review : 2. Feasibility Study : 3. Detailed Design : 4. Construction : Dam : 4 Irrigation : 6	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 % Priority Rating: Group : B Implementation Schedule:	
Environmental conservation plan Project planning shall be re-for  3. Design Grouting works under the core tr failure. Inlet of outlet works is recomme Design discharge shall be estima  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Fund for Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation Mini-Hydropower  6	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 % Priority Rating: Group : B  Implementation Schedule: Review : 1992	
Project planning shall be re-formulations of the core to failure. Inlet of outlet works is recommended besign discharge shall be estimated.  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Peson) 1 Fund for Review : 2. Feasibility Study : 3. Detailed Design : 4. Construction : Dam : 4 Irrigation : 6 Mini-Hydropower : Water Supply :	rench is recommended to avoid the percolation ended to be located in outside of dam embankment ated.  Project Evaluation: EIRR : 4.9 % Priority Rating: Group : B Implementation Schedule:	

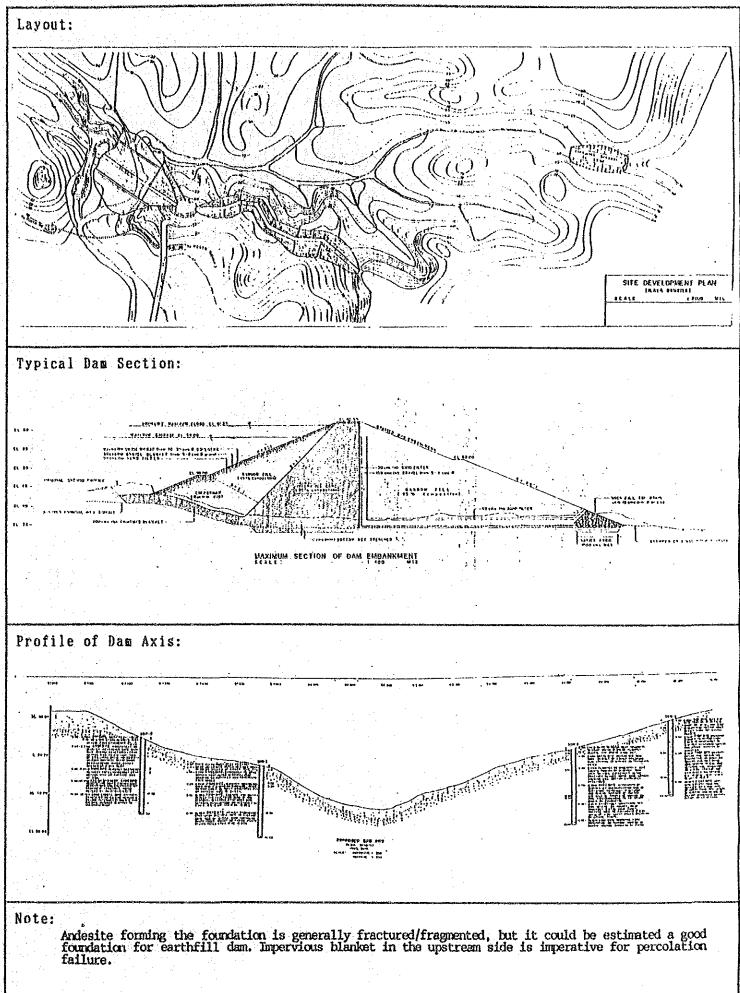


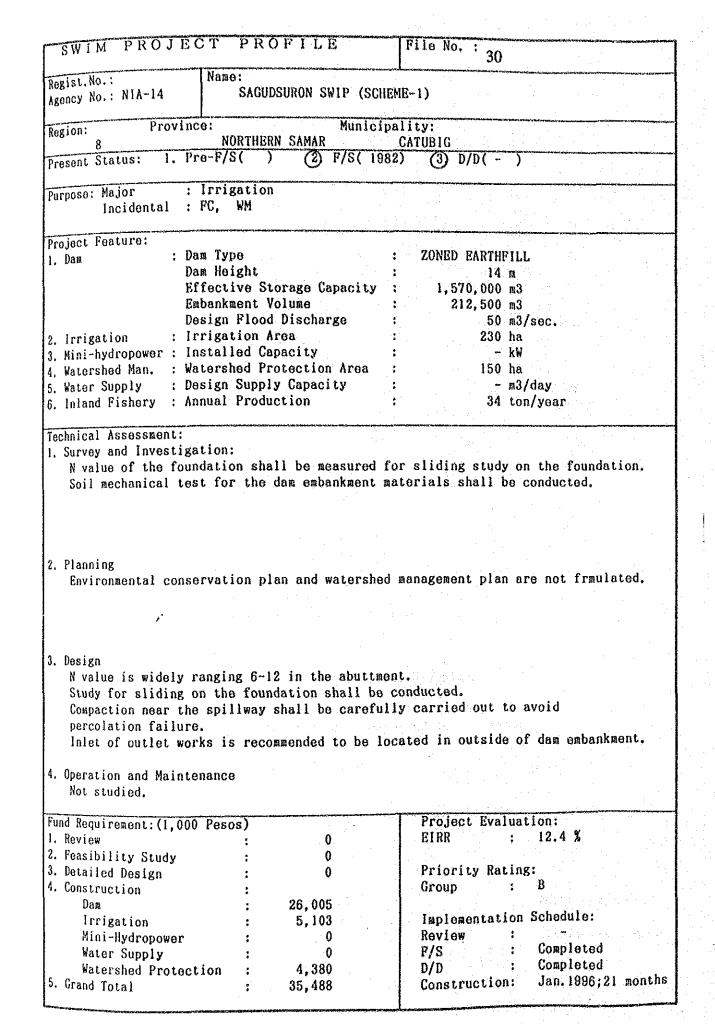
te:
Treatment of the stratum's contact face in left abutment against percolation is troublesome. Method of excavating works in boulder with 10 m depth for core trench shall be well studied. (grouting area is estimated to be 6,100 m2)

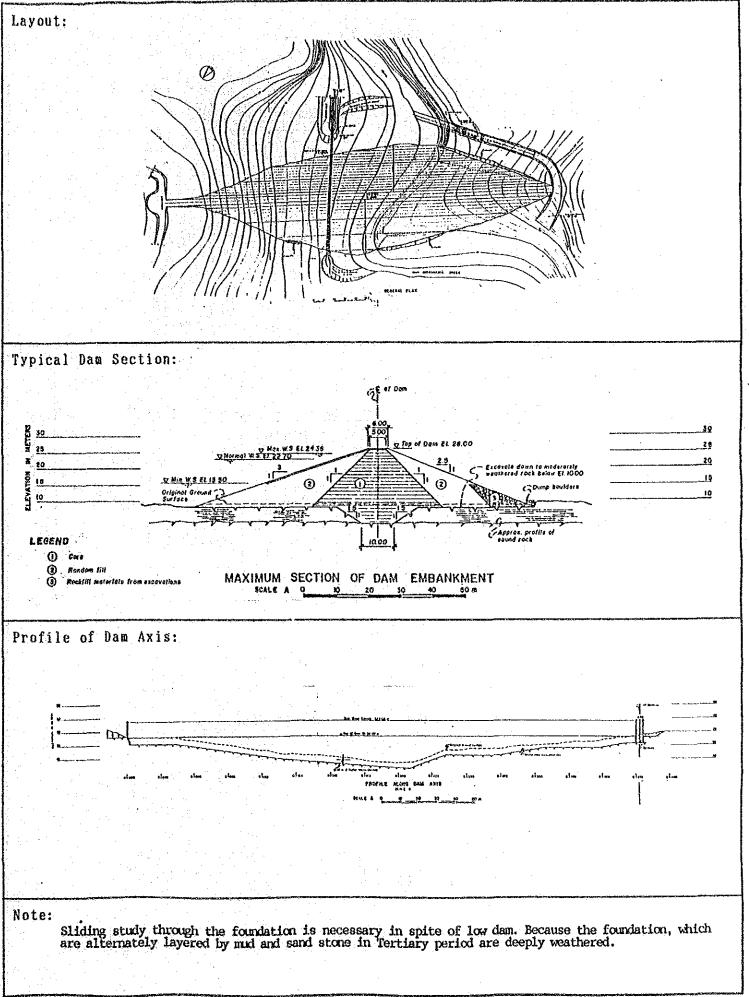


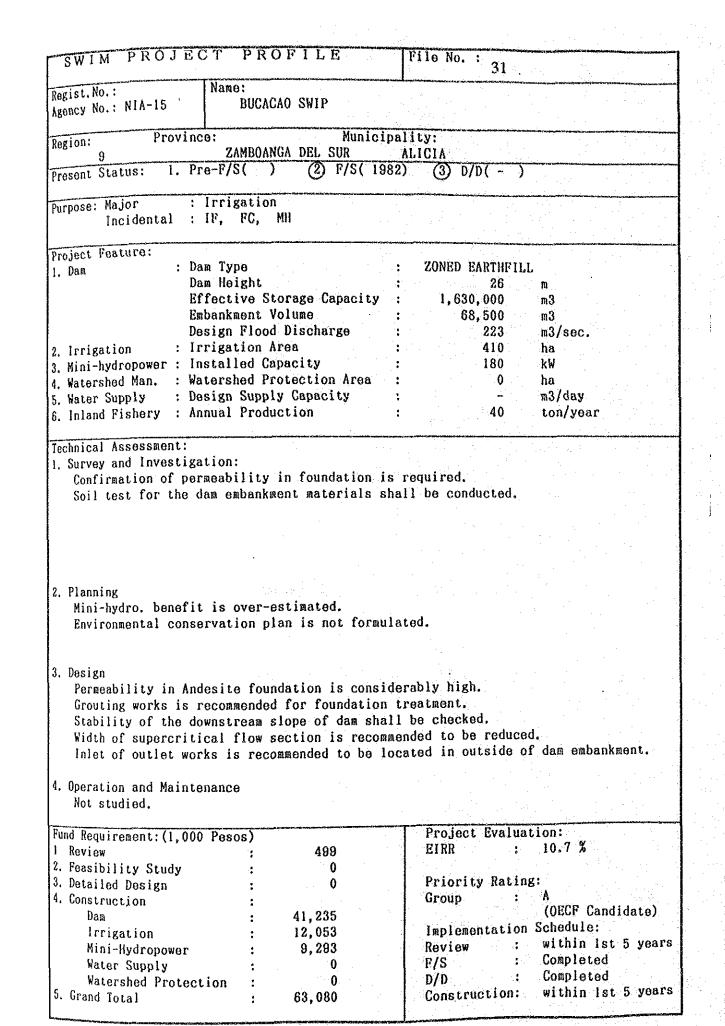


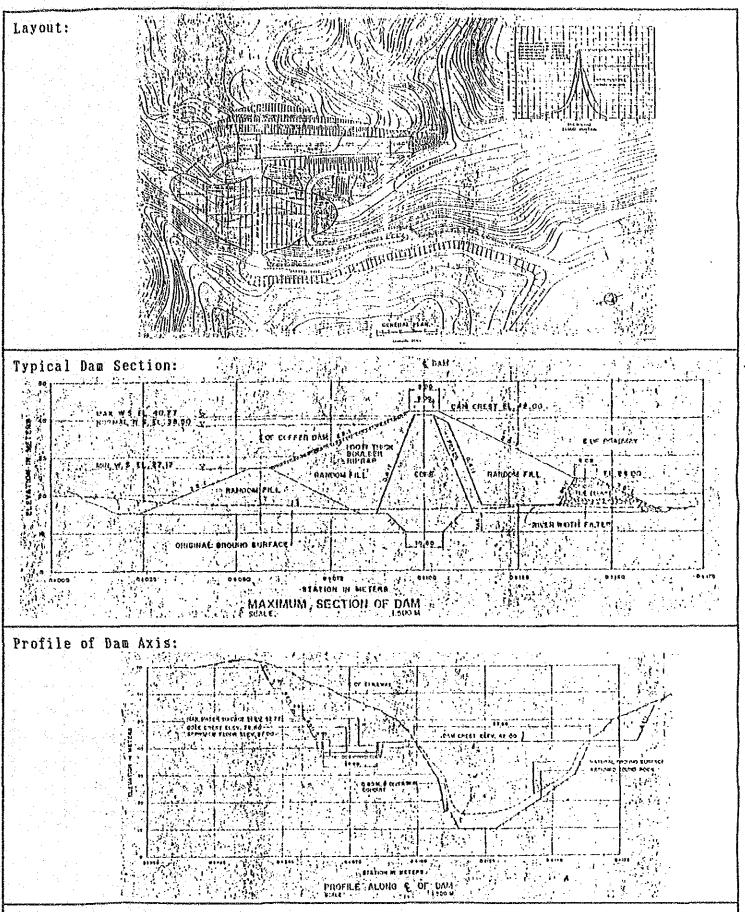












Excavation of core trench is easy since there is a shallow river deposits. Grouting is required to decrease the percolation loss (Grouting length is about 6,630 m).

Note:

SWIM PROJECT PRO	OFILE	File No.	32	Comment of the Commen	t des la respectación de la resp	
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00151.18744	O SWIP					
gion: Province:		ipality:		The species of the Control of States of the	-	
I LA UNIC	AND THE PROPERTY OF THE PROPER	BALAOAN			N <del>o mpratrico</del> ci system papage	
esent Status: (1) Pre-F/S(1989	2, F/S(	) 3. D/	)( · ):			
rpose: Major : Irrigation	and the second s		-	Cartonario Carto Cambridge		
Incidental : IF, FC,			e e e			
				and the second s		
roject Feature: Dam Type		. ZONEN R	ARTHFILL			
Dam : Dam Type Dam Height		: ZONGO E	0.0	M		- 1
	orage Capacity	5,409		m3		
Embankment \				m3 :		- 1
Design Flood	Discharge	:	207	m3/sec.		ı
Irrigation : Irrigation A		:		ha		
Mini-hydropower : Installed Ca	pacity	•		kW		
10001010	otection Area	:		ha . o / )		
Water Supply : Design Supplement of the Suppleme			136	m3/day ton/year		
. Inland Fishery : Annual Produ	1001011	•	100	CONTAGET		
ochnical Assessment: Survey and Investigation: Detailed survey and investige	ition are not c	onducted				
Darutten antaga and tuaceribe	.v.on GIV HVV D	J.,.440 (VOI			•	
	,			4		
	•					
, Planning						
Feasibility study shall be co	inducted.					. [
lought to be and break to be				•		
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<ul> <li>Design</li> <li>Detaile design is not conduct</li> </ul>	ed					
peralte design is not conduct	, <del>0</del>				•	
						- 1
Onemas is a second of				•		
Operation and Maintenance Not studied.					:	- 1
not studied.					-	
and Requirement: (1,000 Pesos)			Evaluati	on:		
Review :	0	EIRR		17.4 %		
· Feasibility Study :	1,178		. D-4			
Detailed Design :	2,357		y Rating:	В	: .	
Construction :	ne ena	Group		Production of		
Dam : Irrigation :	35,503	Impleme	ntation S	chedule:		
Mini-Hydropower :	10,408	Review	inchestra 'm		•	
Water Supply :	Ö	F/S	:	1996		
Watershed Protection :	13,930	D/D		1997		
. Grand Total	63,376	Constru	ction:	Jan. 1998;	12 mont	ns :
Grand Total			ction:	Jan. 1998;	12 mont	hs

Layout			• :								
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			·		<del></del>	e desperation of the					
	I Dam Sect	ion:				6.					
Elevation in Merers	50 40		<u> ∇ N.Ψ</u>	S. El. 57	50			op of Do	m El.60	<b>(1)</b>	
u u	30	Origin	nal Graun	Cut +al	f Trench	1700		irlpping		(2) s	
	·.		MAAI	MUM S	SECTION 80	ale: 1; 10		MUANN	WENT		umped Boulder
Profil 60	e of Dam A	xis:									of Spiliway (W= 35 m)
1				Тор	ol Dom El	60.00			A CANADA		
.E.	100		Orloi	ial Graun	d Surtace		المستحيراً	Cui o	ii Viench	Jan	Ogeo Cress 51, 57,50
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30		0 1040 0		1	Siello ON CE	n in Mei	140 0 11: VE OF	ipping +160 (	ļ		

SWIM PROJEC	OT PROFILE	File No. :	33	Harris and the state of the sta
No.	l Name:			448-40 NaviChiniqui miranastairaniriqt dilbuque e pia
Regist.No.: Agency No.: NIA-21	MAGSIPING SWIP			
Control Hope Street Annual Property Control	Mira i	ipality:	Manus was a sure of the sure o	Andrew Control of the
Region: Province	LA UNION	LUNA		
Present Status: (1) Pro	e-F/S(1989) 2. F/S(	) 3. D/D	( )	<u> </u>
Purpose: Major :	Irrigation		Company of the Control of the Contro	
Incidental :	IF, FC, WM			
Project Feature:	A STATE OF THE STA	A		
, pun	л Туре	: ZONED EA	and the second of the property of the second	
	m Height	െ 🛟 സ്തൂര് — ക്രിക്കേക്സ്	30 m	
	fective Storage Capacity bankment Volume	3,153,		
		: 126,		
	sign Flood Discharge		56 m3/sec.	$C = \frac{1}{2} \left( \frac{1}{2} - \frac{1}{2} \right)$
	rigation Area		100 ha - kW	
3. Mini-hydropower : In:	tershed Protection Area		- kw 400 ha	
1. 1000251101	sign Supply Capacity		- m3/day	
,	nual Production	•	66 ton/yes	a 12
6. Inland Fishery : An	mat riodection	•	00 0011/362	<b>A1</b>
Defution and and	investigation are not co	yiidd dod,		
			:	
	·			
	÷			
<ol> <li>Planning Feasibility study si</li> </ol>	hall be conducted.			
A 6 1				
3. Design				
Detailed design is	not conducted		٠	
			<i>4</i>	
				4
A Approxice and Mainte				
4. Operation and Mainte				
Not attack	and note			
Not studied.				
·		Project	Evaluation:	<u></u>
Fund Requirement: (1,000	Pesos)		Evaluation: : 10.2 %	
Fund Requirement: (1,000 1 Review	Pesos)	Project EIRR		<u></u>
Fund Requirement:(1,000 1 Review 2. Feasibility Study	Pesos) : 0 : 629	EIRR		
Fund Requirement:(1,000 1 Review 2. Feasibility Study 3. Detailed Design	Pesos)	EIRR Priority	: 10.2 %	
Fund Requirement: (1,000) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction	Pesos) : 0 : 629 : 1,257	EIRR Priority Group	: 10.2 % Rating: B	
Fund Requirement: (1,000) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam	Pesos) : 0 : 629 : 1,257 : : 21,991	EIRR Priority Group	: 10.2 % Rating: B	<b>8:</b>
Fund Requirement: (1,000) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	Pesos) : 0 : 629 : 1,257 : 21,991 : 2,420	EIRR Priority Group	: 10.2 % Rating:	e:
Fund Requirement: (1,000  1 Review  2. Feasibility Study  3. Detailed Design  4. Construction  Dam  Irrigation  Mini-Hydropower	Pesos)  : 0 : 629 : 1,257 : 21,991 : 2,420 : 0	EIRR Priority Group Implemen Review	: 10.2 % Rating: B Itation Schedule: 1997	<b>e:</b>
Fund Requirement: (1,000) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	Pesos)  : 0 : 629 : 1,257 : 21,991 : 2,420 : 0	EIRR Priority Group Implemen	: 10.2 % Rating: B Itation Schedule : 1997 : 1997	e: 98;12 month

Layout:
Typical Dam Section: c of Dam
cho.
7 50 Top of Dam El. 47.00
¥ 40
50 40 √ N.W.9 El. 44.00 30 20 30 20 30 30 30 30 30 30 30 30 30 3
3 2 0 3
20
Original Ground Surface
Cut-off Tranch — Unpervious Core  MAXIMUM SECTION OF DAM EMBANKMENT © Sand and Gravet Filter
Scale 1: 1000 M 3 flondom Fili
① Duinped Boulder
Profile of Dam Axis:  [(w=6m)
0 Coe Crost
Top of Dam EL 47.00 J
40 30 Coriginal Ground Surface Stripping
s 30 Original Ground Surface
5 20 Stripping
Cul-oli Trench Excavallan
0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+260 0+300 0+300 0+340 0+380 0+380
Station in Meters
PROFILE ON CENTERLINE OF DAM
Scale 1:1000 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.
impervious biancet, would be decided through F/S, D/D stage.
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SWIM PROJECT PROFILE	File No.: 34
Regist. No.: Name: Agency No.: NIA-22 SAN FELIPE SWIP	
Dadian:	nicipality: TUBAO
Present Status: (1) Pre-F/S(1989) 2. F/S	
Purpose: Major : Irrigation Incidental : IF, FC, WM	
Project Feature: 1. Dam Type Dam Height Effective Storage Capac	: ZONED EARTHFILL : 30 m ity: 1,364,000 m3
Embankment Volume Design Flood Discharge 2. Irrigation : Irrigation Area	: 141,600 m3 : 92 m3/sec. : 140 ha : - kW
2. Mini-hydropower: Installed Capacity 4. Watershed Man.: Watershed Protection Ar 5. Water Supply: Design Supply Capacity 6. Inland Fishery: Annual Production	
Detailed survey and investigation are no  2. Planning EIRR is less than 10 %. Project planning shall be re-formulated.	
<ol> <li>Design Detailed design is not conducted.</li> </ol>	
4. Operation and Maintenance Not studied.	
Fund Requirement: (1,000 Pesos)  1 Review : 111 2. Feasibility Study : 798 3. Detailed Design : 1,596 4. Construction : Dam : 27,028	Project Evaluation: EIRR : 8.4 %  Priority Rating: Group : B
Irrigation : 3,389 Mini-Hydropower : 0 Water Supply : 0 Watershed Protection : 11,442 5. Grand Total : 44,364	Implementation Schedule: Review: 1991 F/S: 1998 D/D: 1998 Construction: Jul.1999;12 months

	File No.: 34		Layout:
lelpal		1	
S( )	TUBAO 3. D/D( )		
·····	nig ya partiriphin kata da kata da maka kata nga magama ga tara 1985 man da kata ga nga aga aga aga aga aga aga aga aga	1	
-	ZONED EARTHFILL		
:	30 m	,	
ity :	1,364,000 m3 141,600 m3		
:	92 m3/sec. 140 ha		
: ea :	– kW 600 ha		
:	- m3/day 32 ton/year		Typical Dam Section: C of Dam
		-	60 F Top of Dam El. 4950
•	ucted.		V N.W.S. El. 46.50
r cond	ucted.		
			Server Se
		1	
			Original Ground Surface  Stripping  LEGEND  (i) Impervious Core
			MAXIMUM SECTION OF DAM EMBANKMENT (2) Sand and Gravel Filler
•			Scale 1: 1000 M (3) Random FIII (9) Duinpad Boulder
			Profile of Dam Axis:
			TO code Cresi of Spillway
•			
			S 30
	Piolination	-	Stripping Cut off Trench Excavation
:	Project Evaluation: EIRR : 8.4 %		Stripping Cul off Trench Excavolien
	Priority Rating:		0-020 0+000 0+020 0+040 01060 0+080 0+000+180. 0+200 0+200 0+240 0+260 0+280 01300
	Group : B		Statlen in Motors
	Implementation Schedule: Review: 1991		PROFILE ON CENTERLINE OF DAM Scole 1:1.000 M
	F/S : 1998		Note:  Dum type and its configuration is reasonably proposed in Pre F/S stage under no actual geological
	D/D : 1998 Construction: Jul. 1999;12 month	s	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.
<del>Marine de la como Como</del>			

SWIM PROJEC	TPROFILE	File No. :	35	THE RESIDENCE AND ADDRESS OF THE PARTY OF TH
DAMISE, NO. 1	Name:	ويود وه مؤسسه و معامل و بدو المواد و ا		teren en e
Agency No.: NIA-23	MACABATO SWIMP			
Region: Province		ipality:	the state of the s	in a supplementation of the indicate of the supplementation of the s
Dro	LA UNION -F/S(1989) 2. F/S(	ARINGAY	-	NOTES IN SECTION OF THE PARTY O
Present Status: (1) Pre	-r/5(1000) L. r/5(	) 3. D/D(	,	
(II )/000 / 11=-0 -	rrigation	and the state of t	**************************************	***************************************
Incidental : I	F, FC, WM			
Project Feature:	a againgur a airmealair ghrainnia agus a airmealair agus agus agus agus agus agus agus agus	<del></del>		
. Dam : Dam	Туре	: ZONED EAR	and the second s	
	Height	the second secon	30 m	
	ective Storage Capacity ankment Volume	: 682,0 : 55,0		
	ign Flood Discharge		37 m3/sec.	•
	igation Area		60 ha	
. Mini-hydropower : Ins		:	- kW	
. Watershed Man. : Wat	ershed Protection Area	3	20 ha	
,,	ign Supply Capacity	:	- m3/day	
3. Inland Fishery : Ann	ual Production	:	l ton/year	
Technical Assessment:  1. Survey and Investigat  Detailed survey and	ion: investigation are not c	onducted.		
	•		•	
2. Planning				
EIRR is less than 10				
Project planning sha	ll be reformulated.			
3. Design				
Detailed design is n	ot conducted.			
		•		
1. Operation and Mainten	ance		and the second	
Not studied.				
	·		and the state of t	
Fund Requirement: (1,000	Pesos)	• · · · · · · · · · · · · · · · · · · ·	valuation:	
1 Review	: 47	EIRR	: 6.4 %	
Preasibility Study	: 342	Priority	Rating:	
3. Detailed Design 4. Construction	: 683	Group	: B	
Dan	: 11,641			
Irrigation	: 1,452		ation Schedule:	
Mini-Hydropower	: 0	Reveiw	: 1991	
Water Supply	: 0	F/S	: 1998	
Watershed Protecti		D/D	; 1999	);9 months
5. Grand Total	: 22,746	Construct	10n: Jan. 4000	O MOHERIA

Layout	•					•	
	dae Company			•			
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mal	Dom Contion.				<del></del>	Harris Carrier (1974) - 1974 -	
lypical				d of Dai	m		
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ភិ	90	•		6.00   TT	fon of Dam El. E	48.00	
Met	80	<u> </u>	.W.S. El. 63.00			A College Coll	
Ę			21.				•
<u>0</u>	.70			》是表彰		~ @·	•
Elevation in Motors	60	-		<b>從宣言宣言</b>		TABLE	
ū	NATES	Original Ground Surface  Gut-oil: Trench  (2) 33  (4)  (3) 4  (4)  (5) 100  (6) 100  (7) 100  (8) 100  (9) 100  (9) 100  (1) 100  (1) 100  (1) 100  (2) 100  (3) 100  (4) 100  (5) 100  (6) 100  (7) 100  (8) 100  (9) 100  (9) 100  (9) 100  (9) 100  (1) 100  (1) 100  (1) 100  (2) 100  (3) 100  (4) 100  (4) 100  (5) 100  (6) 100  (7) 100  (8) 100  (9) 100					
	1	Original Ground	Surface /	YI'L	Stripping	LEGEND	
		•	Cut-off: Trench		:	(i) impervious C	;or <del>e</del>
				•		② Sand and Gra	vel Filter
		MAXIM	UM SECTION	OF DAM E	MBANKMENT	3 Rendom Fill	
		•		M 0001:1 ele		4 Dumped Boul	lder
	<del></del>					<del></del>	
Profile	e of Dam Axis:	C of Spillway		:			<u></u>
	61	N mos		Top of Dam El. 86.00	<u> </u>	The state of the s	
		山湖之。	1				<b>1</b> .
	75	Coose Crest	1/2				
		Elay 83.00.		pping		1	
	£ 70		十 次 1	Original Grou	and Surlace	Culoff Trench Excavation	
	5 55		+	(i	1/2	Excavation	
	\$ 60			<b>5.</b>			
	55		1	1			
	50		<b></b>	<u> </u>			
	01000	01010 01020 0	0+030 0+040 0	1050 01060 01	1070 0+080 0+0	0110 00110 000	0+120
		•		Station in Ne			
			PROFILE	ON CENTERLI			
-				25dis (.500 )	4	·	g Cantillation is the first Probability in the proper manager of the first of the f
Note:					a - min		
ir Ti	em type and its convestigation. Foun opervious blanket,	onfiguration a dation treatm	is reasonably ent: width of	proposed in a	re F/S stage one. shape of	under no actual core trench, ne	scessity of
at.	mpervious blanket,	would be deci-	ded through F/	S, D/D stage.	•		•

	ECT PROFILE	File No. : 36
Regist.No.: Agency No.: NIA-25	Name: MASIDEM SWIP	
Region: Pro		ipality:
1	PANGASINAN Pre-F/S(1989) 2. F/S(	BANI
Present Status: (1	Pre-F/S(1989) 2. F/S(	) 3, D/D( )
Purpose: Major	: Irrigation	
Incidental	: IF, FC, WM	
Project Feature:	D	MAIN CARRENTA
j. Dam	: Dam Type Dam Height	: ZONED EARTHFILL : 30 m
	Effective Storage Capacity	: 1,957,000 m3
	Embankment Volume	: 82,000 m3
	Design Flood Discharge	: 120 m3/sec.
	: Irrigation Area	: 440 ha
3. Mini-hydropower	: Installed Capacity	: - k₩
7. 10.00.01.01.	: Watershed Protection Area	: 380 ha
01	: Design Supply Capacity	: - m3/day
6. Inland Fishery	: Annual Production	: 45 ton/year
2. Planning Feasibility stud		•
	dy shall be conducted.	
	dy shall be conducted.	
	dy shall be conducted.	
·	dy shall be conducted.	
3. Design	dy shall be conducted.	
3. Design		
3. Design Detailed design	is not conducted.	
3. Design Detailed design	is not conducted.	
3. Design Detailed design  4. Operation and Ma Not studied.	is not conducted.	Production
3. Design Detailed design  4. Operation and Manager Not studied.	is not conducted.  intenance  ,000 Pesos)	Project Evaluation:
3. Design Detailed design  4. Operation and Manager Not studied.  Fund Requirement: (1)	is not conducted.  intenance  ,000 Pesos)  : 0	Project Evaluation: EIRR : 17.4 %
3. Design Detailed design  4. Operation and Manager Not studied.  Fund Requirement: (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	is not conducted.  intenance  ,000 Pesos)  : 0 y : 796	
3. Design Detailed design  4. Operation and Ma. Not studied.  Fund Requirement: (1, 1 Review 2. Feasibility Stud: 3. Detailed Design	is not conducted.  intenance  ,000 Pesos)  : 0	EIRR : 17.4 %
3. Design Detailed design  4. Operation and Ma. Not studied.  Fund Requirement: (1, 1 Review 2. Feasibility Stud: 3. Detailed Design	is not conducted.  intenance  ,000 Pesos)  : 0 y : 796	EIRR : 17.4 %  Priority Rating: Group : A
3. Design Detailed design  4. Operation and Manager Not studied.  Fund Requirement: (1) 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Damalrrigation	is not conducted.  intenance  ,000 Pesos)  : 0 796 : 1,591 : : 19,824 : 10,650	EIRR : 17.4 %  Priority Rating: Group : A  Implementation Schedule:
3. Design Detailed design  4. Operation and Manager Ma	is not conducted.  intenance  ,000 Pesos)  : 0 796 : 1,591 : 19,824 : 10,650 er : 0	EIRR : 17.4 %  Priority Rating: Group : A  Implementation Schedule: Review : -
3. Design Detailed design  4. Operation and Ma. Not studied.  Fund Requirement: (1, 1 Review 2. Feasibility Stud; 3. Detailed Design 4. Construction Dam Irrigation Mini-Hydropow Water Supply	is not conducted.  intenance  ,000 Pesos)  : 0 796 : 1,591 : 19,824 : 10,650 er : 0	EIRR : 17.4 %  Priority Rating: Group : A  Implementation Schedule: Review : F/S : 1992
3. Design Detailed design  4. Operation and Manager Ma	is not conducted.  intenance  ,000 Pesos)  : 0 796 : 1,591 : 19,824 : 10,650 er : 0	EIRR : 17.4 %  Priority Rating: Group : A  Implementation Schedule: Review : -

Layout:	
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Typical	Dam Section:
٠.	60 LEGEND
Meters	500 (I) Impervious Core
	N.W.S. El. 63.00
Ę.	Noncola 1 in
Ejevation	3 2 0 2 3 Burnped Boulder
m e	40 FANTA TO THE PARTY OF THE PA
	Original Ground Surface
	Gut-off Tranch
	MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M
Profile	of Dam Axis:
65	Top of Dym E1, 66, 00 /
£ 60 ₹	
	Ogas Crest
ei 60j 50 50 45	Original Graund Surface
15 45	Stripping
40	Gut-all Trench Excavation
35	
01	020 0+030 0+040 0+050 0+050 0+070 0+060 0+090 0+100 0+10 0+120 0+130 0+140 0+150 0+160
y en	Station in Moter.s
	PROFILE ON CENTERLINE OF DAM
Note:	
Dai in	m type and its configuration is reasonably proposed in Pre F/S stage under no actual geological vestigation. Foundation treatment; width of impervious zone, shape of core trench, necessity of pervious blanket, would be decided through F/S, D/D stage.
mi	pervious blanket, would be decided through F/S, D/D stage.
1.0	

egist.No.: NA-26 Name: OBOY-OBOY SW	ПР				
The said of the sa	Municipa	lity:	rich minnisky Abbaha, mysky živoje, myskyl sieriskopie niegicy		-
PANGASINAN PANGASINAN		BANI			
resent Status: (1) Pre-F/S(1989) 2	2. F/S(	3. D/D(			
urpose: Major : Irrigation Incidental : IF, FC, WM	Of Malamania de Administration — open proprieta contem-spice of the section is				
roject Feature:	Colore to Chin, which was not only to demand and many tree projection.			<del></del>	
. Dam : Dam Type		ZONED EARTHFI	LL		
Dam Height		25	m		
Effective Storage (	Sapacity:	1,792,000	m3	•	
Embankment Volume		200,900	m3		
Design Flood Discha	irge :	49	m3/sec.		- 1
. Irrigation : Irrigation Area	•	60	ha		- 1
Mini-hydropower: Installed Capacity Watershed Man.: Watershed Protection	in lace i	100	k₩		
, #40010110		120	ha m3/day		
, 1000	itoy .	37	mo/uay ton/year		
, Inland Fishery : Annual Production	•	<b>3</b> ,	contagn		
Detailed survey and investigation as	o not cond	100001			
					1
					- 1
n					
. Planning EIRR is less than 10 %. Project planning shall be re-formula	ited.				
EIRR is less than 10 %.	ited.				
EIRR is less than 10 %. Project planning shall be re-formula	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  . Design	ited.				
EIRR is less than 10 %. Project planning shall be re-formula	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  . Design	ited.				AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
EIRR is less than 10 %. Project planning shall be re-formula  . Design	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  . Design	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  . Design Detailed design is not conducted.	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  . Design	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.	ited.				
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos)		Project Evalu			
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review: 11	12	Project Evalu EIRR :	ation:		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ound Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86	12 03	EIRR :	1.1 %		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86  Detailed Design : 1,66	12 03	EIRR : Priority Rati	1.1 %		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86 Detailed Design : 1,66 Construction :	12 03 06	EIRR :	1.1 %		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86  Detailed Design : 1,66  Construction : Dam : 29,18	12 03 06	EIRR : Priority Rati Group :	1.1 % ng: B		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  und Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86 Detailed Design : 1,66 Construction : 29,13 Irrigation : 1,45	12 03 06 97 52	EIRR : Priority Rati Group : Implementatio	ng: B n Schedule:		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86 Detailed Design : 1,66 Construction : 29,18 Irrigation : 1,48 Mini-Hydropower :	12 03 06 97 52 0	EIRR : Priority Rati Group : Implementatio Review :	ng: B Schedule: 1993		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Ound Requirement: (1,000 Pesos) Review : 1: Fensibility Study : 86  Detailed Design : 1,66  Construction : 29,18 Irrigation : 1,48 Mini-Hydropower : Water Supply :	12 03 06 97 52 0	EIRR : Priority Rati Group : Implementatio Review : P/S :	1.1 % ng: B n Schedule: 1993 1998		
EIRR is less than 10 %. Project planning shall be re-formula  Design Detailed design is not conducted.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 1: Feasibility Study : 86 Detailed Design : 1,66 Construction : 29,18 Irrigation : 1,48 Mini-Hydropower :	12 03 06 37 52 0 0	EIRR : Priority Rati Group : Implementatio Review :	1.1 % ng: B n Schedule: 1993 1998 1998	[5 mont]	

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The section of the security of the section of the s		
A STATE OF THE STA		
m m3		
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m3/sec.		
ha kW		
ha		
m3/day		Typical Dam Section: 4 of Doin
ton/year		60
		g 50 Top of Dais El. 40.00
		10 11, W. 9, El. 37, 50
		s 30
•	- - 1	
		20 10 WATER CONTROL OF THE PARTY OF THE PART
	4	tronger and the second
		Original Ground Surface Stripping LEGEND
		Original Ground Burface  Cult-oil Trench
		Original Ground Burface  Cult-off Trench
		Original Ground Burface  Cult-off Trench
		Original Ground Surfage  Cut-oil Trench  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  (1) Dumped Boulder
		Original Ground Surfage  Cut-oil Trench (1) Impervious Gare  MAXIMUM SECTION OF DAM EMBANKMENT (2) Sand and Gravel Filler  Scale 1: 1000 M (3) Nandom Fill  (4) Dumped Boulder
		Original Ground Burface  Cult-off Trench
		Original Ground Surface  Cut-off Trench  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  The profile of Dam Axis:  (W: 6in)  Cut-off Trench  (Inspervious Gore  (
		Original Ground Surface  Cut-off Trench
		Original Ground Surface  Gut-all Trench — (i) Impervious Gare  MAXIMUM SECTION OF DAM EMBANKMENT (2) Sand and Gravel Fillect  Scale 1: 1000 M (3) Nandom Fill  The profile of Dam Axis:  Col Spillway (W: 6 in )  Go
		Original Ground Burlage  Cult-all Trench  Cult-all Trench  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Top of Dam Axis:  Ogge Crast  El. 37.50  Original Ground Surface  Top of Dam El. 40.00
		Original Ground Surface  Odt-off Festion  Odt-off Festion  Odt-off Festion  Odt-off Festion  Odt-off Festion  Odt-off Festion  Odd off Festion  Odd odd Gravel Filter  Scale 1: 1000 M  Odd odd Gravel Filter  Odd Odd Odd odd Gravel Filter  Odd Odd Odd Odd Odd Odd Odd Odd Odd Od
		Original Ground Surface  Odi-all Festion  Odi-all Festion  Odi-all Festion  Odi-all Festion  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Oumped Boulder  Profile of Dam Axis:  of Spillway (W: 6 in )  Original Ground Surface  Top of Dam El. 40.00
ion: 1.1 %		Original Ground Burlage  Cult-off Tranch — (i) Impervious Core  MAXIMUM SECTION OF DAM EMBANKMENT (2) Sand and Gravel Filies  Scale 1: 1000 M (3) Nandom Fili  (4) Dumped Boulder  Profile of Dam Axis:  Col Spiliway (W: 6 in )  Original Ground Surface  Top of Dam El. 40.00
1,1%		Original Ground Surface  Cut-off Trench — (1) Impervious Gore  MAXIMUM SECTION OF DAM EMBANKMENT (2) Sand and Gravel Filter  Scale 1: 1000 M (3) Random Fill  (4) Dumped Boulder  Profile of Dam Axis:  of Spillway (W: 6 in )  Cut-off Trench Eccayotion
		Original Ground Surface  Cdt-olf Tranch (1) Impervious Care  (2) Sand and Gravel Filler  MAXIMUM SECTION OF DAM EMBANKMENT (3) Standom Fill  Scale I: 1000 M (3) Standom Fill  (4) Dumped Soulder  Profile of Dam Axis:  c of Spillway  [W: 6 in ]  Ogeo Crest  El. 32, 00  Original Ground Surface  Top of Dam El. 40,000  Stripping  Cul-off Tranch Excavation  Oq-020 0+000 0+020 0+040 01050 01000 0+200 0+200 0+260 0+260 0+260 0+300 0+320 0+340 0+350
1.1 %		Original Ground Surface  Out-off Tranch  Out-off Tranch  Out-off Tranch  Out-off Tranch  Out-off Tranch Escovation
1.1 % g: B Schedule: 1993		Original Ground Surface  Out-off Tranch - Out-off Tranch Eccoration  Original Ground Surface  MAXIMUM SECTION OF DAM EMBANKMENT  State 1: 1000 M  Open Crist  El. 37.50  Original Ground Surface  Fl. 37.50  Origi
1.1 % ;: B Schedule: 1993 1998		Original Ground Surface  Colt-off Trench  Colt-off  Col
Schedule: 1993 1998 1998		Original Ground Surface  Colt-off Trench  Colt-off  Col
1.1 % g: B Schedule: 1993 1998		Original Ground Surface  Out-off Tranch - Out-off Tranch Eccoration  Original Ground Surface  MAXIMUM SECTION OF DAM EMBANKMENT  State 1: 1000 M  Open Crist  El. 37.50  Original Ground Surface  Fl. 37.50  Origi
1.1 %  Schedule: 1993 1998 1998		Original Ground Surface  Colt-off Trench  Colt-off  Col
1.1 %  Schedule: 1993 1998 1998		Original Ground Surface  Colt-off Trench  Colt-off  Col

SWIM PROJECT PR	OFILE	File No. : 38	na na nanana na nanana anana na nanana na	
Rogist.No.: Name:	A SWIP	The second secon	والمترافقة	
Agency No.: NIA-27 VEG	n owir			
Region: Province:		ipality:	مهمواهي ماره يهيينه وارسم مسير بو منعة خيات بيبر تاب الآر الاستان المتارك المدال فه مال بيان مدارك الربيب المدارك	
l PANUA:		DASOL		
Present Status: (1) Pre-F/S(19)	89) 2. F/S(	) 3, D/D( )		
Durnosa: Major : Irrigatio		- a a a la sa sa a fastica de la companya del la companya de la co	Charles Company for the Control of Company of the Control of the C	
Purpose: Major : Irrigation : Incidental : IF, FC,				
Project Feature:				
1. Dam : Dam Type		: ZONED BARTHFIL		
Dam Height		22	M.	
Enbankment	Storage Capacity		n3 n3	
· · · · · · · · · · · · · · · · · · ·	od Discharge	: 51,000 : 136	m3/sec.	
		: 100	ha	
2. Irrigation : Irrigation 3. Mini-hydropower : Installed (			k₩	
Watershed Man. : Watershed	Protection Area	520	ha	
1. MUCOLUMO 1111	ply Capacity	•	m3/day	
5. Inland Fishery : Annual Pro		: 122	ton/year	
Technical Assessment:				
1. Survey and Investigation:	antion and not a	anduated		
Detailed survey and investi	gation are nor c	onancrea.		·
•				
	•			
		•		
2. Planning				
Feasibility study shall be	conducted.			
•				
			Sec.	
3. Design		-		. ]
Detailed design is not cond	ucted.			
4. Operation and Maintenance				
Not studied.				
stadten*				
Fund Requirement: (1,000 Pesos)		Project Evalua	tion:	
l Review :	.0	EIRR :	16.6 %	
2. Feasibility Study	488			
3. Detailed Design	975	Priority Ratio		
4. Construction :		Group :	<b>A</b>	
Dam :	17,312		er von der	
Irrigation :	2,420	Implementation	n Schedule:	
Mini-Hydropower :	0	Review	1001	
Water Supply :	4 L (1.0	F/S	1991	
Watershed Protection :	9,910	D/D	1992 Jan. 1993; 9 month	s
5. Grand Total :	31,106	Construction:	agii. 1992; A Money.	

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L _	
m3	
m3	
m3/sec.	
ha	
kŴ ha	
m3/day	Typical Daw Section:
ton/year	t of Dam
	EGEND () Impervious Core
	6.00 (2) Sand and Gravel Filter
	7op of Dam El. 40.00
	3 (2 1 (2) (3) (4) Dumped Boulder
	10 10
	Original Ground Surface  Stripping  Cut-off Trench
	MAXIMUM SECTION OF DAM EMBANKMENT
	Scale 1: 1000 M
4	Profile of Dam Axis: 4 of Spillwoy (W=17 m)
	50 (W*17m)
	Oges Crost Elax. 37.50
	Original Ground Surface (Nop of Dam El.40.00
	***
	35 35 35
	Stripping  Stripping  Cut-olf Tranch Excavation
ntion:	Stripping Cut-off Tranch Excavation
16.6 %	
	0-030 0-020 0-010 0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+100 0+110 0+120 0+130 0+140
ig:	
<b>A</b>	PROFILE ON CENTERLINE OF DAM
Schedule:	Scale 1:500 M
	Note:
1991	Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological
1992	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.
Jan. 1993;9 months	infertance mente of decided through ris, Did Stage.
	er year on the company of the compan

	ECT PROFILE	File No. : 39	
Regist.No.: Igency No.: NIA-29	Name: ALIBENG SWIP	The second secon	The state of the s
egion: Prov	vince: Muni PANGASINAN	cipality:	a variante de l'antique de l'an
resent Status: (1)	Pre-F/S(1989) 2. F/S(	SISON ( ) 3. D/D( )	
resent status.		, , , , , , , , , , , , , , , , , , , ,	
urpose: Major Incidental	: Irrigation : IF, FC		
roject Feature:	A CONTRACTOR OF THE PROPERTY O		
. Dam	: Dam Type	: ZONED EARTHFILL	
	Dam Height	30 m	
	Effective Storage Capacit Embankment Volume		
	Design Flood Discharge	: 127,000 m3	
t tualan i	: Irrigation Area	: 115 m3/se	iC.
	: Installed Capacity	250 ha : - kW	
Watershed Man.	: Installed Capacity : Watershed Protection Area		
Water Supply	: Design Supply Capacity	u na - m3/da	v
Inland Fishery	: Annual Production	: 42 ton/y	
Survey and Invest Detailed survey	and investigation are not	conducted.	·
		•	
	•		÷ , · · *
	dy shall be conducted.		
	dy shall be conducted.		
	dy shall be conducted.		
Feasibility stud	dy shall be conducted.		
Feasibility stud	dy shall be conducted.		
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Feasibility stud  Design  Detailed design	is not conducted.		
Peasibility stud  Design Detailed design  Operation and Mai	is not conducted.		
Peasibility stud	is not conducted.		
Peasibility students  Design Detailed design  Operation and Main Not studied.	is not conducted.	Project Evaluation:	
Peasibility students  Design Detailed design  Operation and Main Not studied.	is not conducted.	Project Evaluation: EIRR : 12.8	<b>%</b>
Design Detailed design  Operation and Mai Not studied.  Ind Requirement: (1, Review Feasibility Study	is not conducted.  intenance  000 Pesos)  : 0	EIRR : 12.9	*
Design Detailed design  Operation and Mai Not studied.  Ind Requirement: (1, Review Feasibility Study Detailed Design	is not conducted.  intenance  000 Pesos)  : 0	EIRR : 12.9 Priority Rating:	X
Feasibility study Design Detailed design  Operation and Mai Not studied.  Ind Requirement: (1, Review Peasibility Study Detailed Design	is not conducted.  intenance  000 Pesos)  0 729	EIRR : 12.9	<b>%</b>
Peasibility study Design Detailed design Not studied.  Ind Requirement: (1, Review Peasibility Study Detailed Design Construction Dam	is not conducted.  intenance  000 Pesos)  0 729	EIRR : 12.9  Priority Rating: Group : B	
Feasibility study Design Detailed design  Operation and Mai Not studied.  Und Requirement: (1, Review Feasibility Study Detailed Design Construction Dam Irrigation	is not conducted.  intenance	EIRR : 12.9  Priority Rating: Group : B  Implementation Schedu	
Design Detailed design  Operation and Mai Not studied.  Ind Requirement: (1, Review Peasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropowe	is not conducted.  intenance	EIRR : 12.9  Priority Rating: Group : B  Implementation Schedu Review : -	
Peasibility study Design Detailed design  Operation and Main Not studied.  Ind Requirement: (1, Review Peasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropower Water Supply	is not conducted.  intenance  (000 Pesos)	Priority Rating: Group: B  Implementation Schedu Review: F/S: 1995	
Design Detailed design  Operation and Mai Not studied.  Und Requirement: (1, Review Feasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropowe	is not conducted.  intenance  (000 Pesos)	Priority Rating: Group: B  Implementation Schedu Review: F/S: 1995 D/D: 1995	

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2012 201	Layout:
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	Typical Dam Section: 6 of Dam
	130 Top of Dam El. 130.00
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	3 (2 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	in 100 minimum in the second of the second o
	90.
	Cut-off Trench — Impervious Core
	(2) Sund and Gravel Filter
	MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Oumped Boulder
	Profile of Dam Axis:  (W=10m)
	Cyce Crest Control Con
	140 Natural Ground Surface E112700
	130 Top of Dain E1.13U.00
	Stripping — Cul-off Trench Excavation
	Stripping ————————————————————————————————————
	90 0+000 0+010 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+20 0+220 0+240 0+260
l	Station in Meters
	PROFILE ON CENTERLINE OF DAM
}	Scale 1:1000 M
	Note:  Dem tune and its configuration is responsibly proposed in Pre R/S stage invier no actual configuration.
	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.
	wherever received and an account control to his accept.

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SWIM PROJECT	PROFILE	File No. : 40	And the second s	-	
Name:	trip state at some visit des a state of the entire property or and or better and the entire property of the entire	The state of the s	the state of the s	dente matematica intercentarioni	
)n#101.UU41	IGAP SWIP		: ,	1	3 1
igency no.					3
egion: Province:	Municipa			7. Park C and State C and Stat	
PAN		UMINGAN			4
resent Status: (1) Pre-F/SC	(1989) 2. F/S(	) 3. D/D( )			
wooso: Major : Irrige	ation	Carry May made a speciment of the principal his region of the property of the principal and the property of th			
urpose: Major : Irriga Incidental : IF, F					
roject Feature:	representatives of a medical desirability from the second and second and a medium prompt of the second and second assessment of the second and second assessment of the second and second assessment of the second assessment				
i. Dan : Dan Type		ZONED EARTHFILL			
Dam Heig		10	R		: :
	e Storage Capacity :	71,000	m3		
	ent Volume :	14,550	m3		7 1
	lood Discharge :	6	m3/sec.		1
2. Irrigation : Irrigati	on Area :	40	ha		:
3. Mini-hydropower : Installe	nd Capacity :	•	kW		
4. Watershed Man. : Watershe	d Protection Area :	49	ha		1
5. Water Supply : Design S	Supply Capacity :	the state of the s	m3/day		4
6. Inland Fishery : Annual F	roduction :	6	ton/year		1 - 1 -
2. Planning					
2. Planning EIRR is less than <b>10 %.</b> Project planning shall be	re-formulated.				
EIRR is less than 10 %.	re-formulated.				
EIRR is less than 10 %.	re-formulated.				
EIRR is less than 10 %. Project planning shall be					
EIRR is less than 10 %. Project planning shall be					
EIRR is less than 10 %. Project planning shall be					
EIRR is less than 10 %. Project planning shall be					
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EIRR is less than 10 %. Project planning shall be  3. Design Detailed design is not co					
EIRR is less than 10 %. Project planning shall be  3. Design Detailed design is not co					
EIRR is less than 10 %. Project planning shall be  3. Design Detailed design is not co					
EIRR is less than 10 %. Project planning shall be  3. Design Detailed design is not co  1. Operation and Maintenance Not studied.	onducted.	Project Evaluat	ion:		
Project planning shall be  3. Design Detailed design is not co  4. Operation and Maintenance Not studied.	onducted.	Project Evaluat	ion: 8.2 %		
Project planning shall be 3. Design Detailed design is not co 4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review	onducted. 3) : 15				
Project planning shall be 3. Design Detailed design is not co 4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study	onducted. 3) : 15 : 111		8.2 %		
Project planning shall be Project planning shall be  3. Design Detailed design is not co  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study 3. Detailed Design	onducted. 3) : 15	EIRR :	8.2 %		
Project planning shall be Project planning shall be  3. Design Detailed design is not co  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study 3. Detailed Design	onducted.  :) : 15 : 111 : 221	EIRR : Priority Rating Group :	8.2 % s: B		
EIRR is less than 10 %. Project planning shall be  3. Design Detailed design is not co  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam	s) : 15 : 111 : 221 : 3,264	EIRR : Priority Rating	8.2 %  B  Schedule:		《《《《《《·······························
EIRR is less than 10 %. Project planning shall be  3. Design Detailed design is not co  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	inducted.  15 111 221 3,264 968	EIRR : Priority Rating Group : Implementation Review :	8.2 %  B  Schedule: 1991		
Project planning shall be Project planning shall be  3. Design Detailed design is not co  4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation Mini-Hydropower	s) : 15 : 111 : 221 : 3,264	EIRR:  Priority Rating Group:  Implementation Review: F/S:	8.2 % s: B Schedule: 1991 1998		
Project planning shall be 3. Design Detailed design is not co 4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos 1 Review 2. Feasibility Study 3. Detailed Design 4. Construction Dam Irrigation	inducted.  15 : 15 : 111 : 221 : 3,264 : 968 : 0	EIRR:  Priority Rating Group:  Implementation Review: F/S:	8.2 %  B  Schedule: 1991		

Layout:	
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Typical Dam Section:	
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<u>\$ 120</u>	
2 110 E 00	
5 100 H.W.S EL97.50 Top of Dam El.100.00	LEGEND:
90 H.W.S E1.97.50 C1 Top of Dam E1.100.00	
man and a second a	(1) Impervious Core
	<b>`</b>
GO Orlained Ground Surface	(2) Sand and Gravel Filler
Original Ground Surface Cut-off Trench - Stripping	2 Sand and Gravel Filler 3 Random Fill
Original Ground Surface	3 Random FIII
Original Ground Surface	
Original Ground Surface Cut-off Tranch - Stripping	3 Random FIII
Original Ground Surface  Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M	3 Random FIII
Original Ground Surface  Cut-off Tranch - Stripping  MAXIMUM SECTION OF DAM EMBANKMENT	3 Random FIII
Original Ground Surface  Cut-off Trench Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:	3 Random FIII
Original Ground Surface  Cut-off Trench Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  of Spillway (W=14 m)	3 Random FIII
Original Ground Surface Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT Scale 1: 1000 M  Profile of Dam Axis:	3 Random FIII
Original Ground Surface Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT Scale 1: 1000 M  Profile of Dam Axis:	3 Random FIII
Original Ground Surface Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT Scale 1: 1000 M  Profile of Dam Axis:	3 Random FIII
Original Ground Surface Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT Scale 1: 1000 M  Profile of Dam Axis:  of Spillway ( W = 14 m)	3 Random FIII
Original Ground Surface  Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Of Spillway (W=14 m)  Cope Crest  Clay 91.50  Cla	3) Random FIII  4) Dumped Baulder
Original Ground Surface  Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Oggo Crest  IOO  Top of Dam El 10000  Stripping  Original Ground Surface  Top of Dam El 10000  Stripping  Stripping	3 Random FIII  4 Dumped Baulder  Cut-off Trench Excavation
Original Ground Surface  Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale I: 1000 M  Profile of Dam Axis:  Official Ground Surface  Ogge Crest  Ogge Crest  Fley 91.50  Cut-off Tranch  Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale I: 1000 M  Original Ground Surface  Stripping  Stripping	3 Random FIII  4 Dumped Baulder  Cut-off Trench Excavation
Original Ground Surface  Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Oggo Crest  IOO  Top of Dam El 10000  Stripping  Original Ground Surface  Top of Dam El 10000  Stripping  Stripping	3 Random FIII  4 Dumped Baulder  Cut-off Trench Excavation
Original Ground Surface  Cut-off Tranch — Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Olspillway (W=14 m)  Cut-off Tranch — Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Ogos Crest (W=14 m)  Cut-off Tranch — Stripping  Original Ground Surface  Figure 1000 Original Ground Surface  Stripping  Original Ground Surface  Figure 1000 Original Ground Surface  Stripping  Stripping  Stripping  Stripping  Stripping  Original Ground Surface	3 Random FIII  4 Dumped Baulder  Cut-off Trench Excavation
Original Ground Surface  Cut-off Tranch — Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  of Spillway ( W = 14 m)  Cut-off Tranch — Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Ogos Crest ( W = 14 m)  Cut-off Tranch — Stripping  Original Ground Surface  Stripping	3 Random FIII  4 Dumped Baulder  Cut-off Trench Excavation
Original Ground Surface  Cut-off Tranch  Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  of Spillway ( W = 14 m)  Ogas Crest Elev 97.50  Trop of Dam El. 10000  Stripping  Stripping  Stripping  Station in Metars  PROFILE ON CENTERLINE OF DAM Scale 1: 500 M	3 Random FIII  4 Dumped Boulder  Cut-off Trench Excavation  O 01110 01150 01160 01170
Original Ground Surface  Cut-off Tranch  Stripping  MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  of Spillway ( W = 14 m)  Ogas Crest Elev 97.50  Trop of Dam El. 10000  Stripping  Stripping  Stripping  Station in Metars  PROFILE ON CENTERLINE OF DAM Scale 1: 500 M	3 Random FIII  4 Dumped Boulder  Cut-off Trench Excavation  O 01110 01150 01160 01170
Original Ground Surface Cut-off Tranch Stripping  MAXIMUM SECTION OF DAM EMBANKMENT Scale 1: 1000 M  Profile of Dam Axis:  Of Spillway ( W = 14 m)  Ogas Crest Elev 97.50  Ctop of Dam El. 10000  Stripping  Stripping  Station in Meters  PROFILE ON CENTERLINE OF DAM Scale 1: 500 M	3 Random FIII  4 Dumped Boulder  Cut-off Trench Excavation  O 01110 01150 01160 01170

SWIM PROJ	ECT PROFILE		ile No. : 41	that dangementage ( 4 antar 26/2023 til Ballet gan anne man	THE STREET WITH THE PERSON NAMED AND ADDRESS OF THE PERSON NAM
Jak No.	Name:		managed by aller of the feature of the species of the second section of the section of th	Charles and the Company of the State of the	Transportation and the section of the
ogist. No.: gency No.: NIA-32	DIKET SWIP				
gion: Provi		Municipalit		No. of the second secon	- Andrew Angle Control of the Contro
1	PANGASINAN Pro-F/S(1989) 2.	UM) F/S( )	INGAN		
resent Status: (1)	Fre-r/5(1808) 2.	./3( )	3. D/D(		
urpose: Major Incidental	: Irrigation : IF, FC, WM	and the second s	Might hap P (In prison drop up any grant from the prison distribution from an additional group.	Martin State of the Assessment of the Control of Assessment of the Control of the	Participa pungangan Printed and Printed Anna Printed
roject Feature:	والمراور وال	***************************************	**************************************	<del>(7)</del>	*********************
, Don	Dam Type	:	ZONED EARTHF	İLL	
	Dam Height		23		
	Effective Storage Cap	icity:	368,000	m3	
	Embankment Volume Design Flood Discharge		75,500 10		
	Irrigation Area	3	75	m3/sec.	
	Installed Capacity	•		kW	;*
Watershed Man. :	Watershed Protection	Area :	52	ha	
, nasotitie	Design Supply Capacity		-	m3/day	
, ,,,,,,,	Annual Production		13	ton/year	And the second
, Illiano Lionory					
	.*		•		•
n					
Planning EIRR is less than Project planning	n 10%. shall be re-formulate	d.			
. Design				÷	
_	is not conducted.				: +
		• •		٠.	
Operation and Mair	ntenance				
Not studied.					
· 					•
und Requirement:(1,0			Project Eval		
Review	: 53		EIRR	: 1.6 %	
Feasibility Study	: 382		Daignien Da	ring!	
Detailed Design	: 764		Priority Rat Group	ing.	
Construction	10 716		oronb		
Dam Irrigation	: 12,710 : 1,815		Implementat	ion Schedule:	
		1		1000	
	. Λ	1	Keview	: 1993	
Mini-Hydropowe			Review F/S	: 1993	
	: 0		F/S D/D Construction	: 1998 : 1999	

		Layout:
in the state of th		
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The Continues of the Co		
ar		Typical Dam Section:
		600 210
	:	200 N.W.S.El. 197.50 Top of Dam El. 200.00
		E 190
		\$ \\\ \( \text{\tin}\text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex
: 		The state of the s
		LEGEND
	1 to 1	Original Ground Surface  Stripping  Stripping  Stripping
		Gut-off Trench (3) Handon FIH
		MAXIMUM SECTION OF DAM EMBANKMENT
		Scale 1, 1000 M
		Profile of Dam Axis: \$ of Spillway
		Profile of Dam Axis: (W=2m)
	1	Ogee Crest
		Ogee Crest El.197.50 Original Ground Surface
		Original Ground Surface Top of Dain El. 200.00  Stripping  Cut-off Trench Excavation
		Stripping Cut-off Trench Excavation
		0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240
		Station in Maters
.e;		PROFILE ON CENTERLINE OF DAM
.0,		Scale 1:1000 M
		Note:
00;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.
¥ .		impervious blanket, would be decided through F/S, D/D stage.

SWIM PROJ	ECT PROFILE	File No.: 42
Regist. No.:	Name:	
gency No.: NIA-47	MAYAMOT CIP	
		- Control of the Cont
egion: Provi		ipality:
3	NUEVA ECIJA	GUIMBA
resent Status: (1)	Pre-F/S(1989) 2. F/S(	) 3, D/D( )
The state of the s	Innigotion	
urpose: Major Incidental	: lrrigation : IF, FC	
roject Feature:	وجودوه فالمرافظ المشاه المشاه المائية المرافظ والمساه المائية والمساه المائية والمداولة والمداولة والمساولة والمساولة والمائية والمساولة والمائية والمساولة والمائية	
. Dam	Dam Type	: HOMOGENBOUS BARTHFILL
	Dam Height	2 m
	Effective Storage Capacity	18,000 m3
	Embankment Volume	: 1,515 m3
	Design Flood Discharge	30 m3/sec.
	Irrigation Area	5 ha
Mini-hydropower :	Installed Capacity	÷ k₩
Watershed Man. :	Watershed Protection Area	• 0 ha
Water Supply :	Design Supply Capacity	- m3/day
Inland Fishery :	Annual Production	: 8 ton/year
, Planning	•	
	y shall be conducted.	
. Design		
Detailed design i	is not conducted.	
		(x,y) = (x,y) + (x,y
Operation and Mair	ntenance	
Not studied.		
und Requirement:(1,0	MA Pagage	Project Evaluation:
Review	0 (Pesos)	EIRR : 57.9 %
-	. 8	
. Feasibility Stude	: 16	Priority Rating:
Feasibility Study Detailed Design	10	Group : B
. Detailed Design	•	
Detailed Design Construction	. 267	
Detailed Design Construction Dam	: : 267	
Detailed Design Construction Dam Irrigation	: 121	Implementation Schedule:
Detailed Design Construction Dam Irrigation Mini-Hydropower	: 121 : 0	Implementation Schedule:
<ul> <li>Detailed Design</li> <li>Construction</li> <li>Dam</li> <li>Irrigation</li> <li>Mini-Hydropower</li> <li>Water Supply</li> </ul>	: 121 : 0 : 0	Implementation Schedule: Review : - F/S : 1995 D/D : 1995
Irrigation Mini-Hydropowe	: 121 : 0 : 0	Implementation Schedule: Review : - F/S : 1995

Layout:
G of Dam
Typical Dam Section:
2.00
56 Top of Dam E1. 56.00  55 91.W.S. E1. 55.00 Random Fill
5 54
Stripping Original Ground Surface
OZ
MAXIMUM SECTION OF DAM EMBANKMENT  Scote 1:100 M
Profile of Dam Axis:
C of Spillway (W = 4 m)
70
Ogee Crest El. 55,00 Original Ground Surface
Top of Dom El 55 000
Stripping
0+040 0+050 0+050 0+070 0+080 0+090 0+100 0+110 0+140 0+150 0+160 0+170 0+180 0+190 Station in Meters
PROFILE ON CENTERLINE OF DAM Scale 1:500 M
Note:
Dam configuration is reasonably proposed taking low dam into consideration. If foundation show the slightly weathered or hard rock by sub-surface exploration, concrete weir should be studied as an alternative. Combined dam with earth and concrete must be avoided. Additional 0.5 m freeboard is
alternative. Combined dam with earth and concrete must be avoided. Additional 0.5 m freeboard is

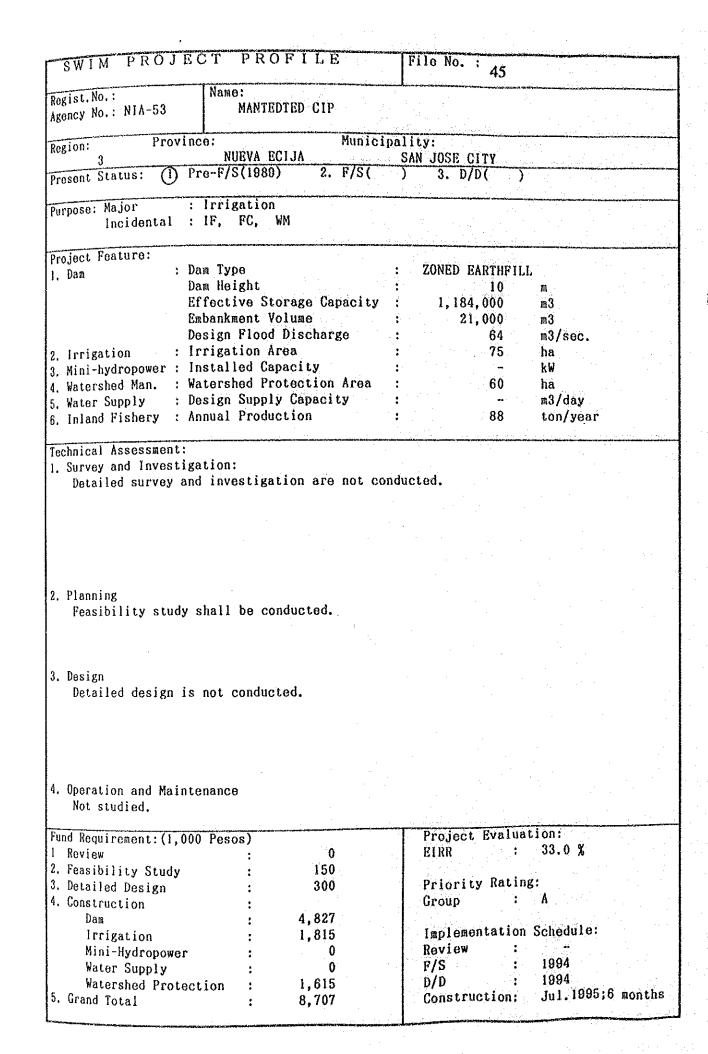
SWIM PROJEC	T PROFILE	File No. : 43	mentalistic (College Control of Street College
Regist. No.: Agency No.: NIA-48	Name: SAN FBLIPE CIS		
Region: Province		ipality:	
3 2 Pro	NUEVA ECIJA -F/S(1989) 2. F/S(	GUIMBA	
Present Status: (1) Pre	-r/3(1000) 2. r/3(	) 3. D/D( )	
	rrigation F, FC		Adaptive consists of the second secon
Project Feature:	TO.	110110 071111011	
	Type	: HOMOGENEOUS EARTHFIL	La .
	Height ective Storage Capacity	3 m	
	ankment Volume	: 20,000 m3 : 2,430 m3	
	ign Flood Discharge	: 63 m3/s	00
	igation Area	5 ha	30.
z. Hrigation : 111 3. Mini-hydropower : Ins		: - kW	
4. Watershed Man. : Wat	ershed Protection Area	: 0 ha	
5. Water Supply : Des	ign Supply Capacity	: - m3/d	ay
6. Inland Fishery : Ann	ual Production	; 5 ton/	year
Technical Assessment: 1. Survey and Investigat Detailed survey and	ion: investigation are not c	onducted.	
			en en en en en en en en en en en en en e
o D) '			
<ol><li>Planning Feasibility study sh</li></ol>	all be conducted.		
3. Design Detailed design is n	ot conducted.		
-			4
	,		
<ol> <li>Operation and Mainten Not studied,</li> </ol>	ance		
Fund Requirement: (1,000	Pesos)	Project Evaluation:	
Review	: 0	EIRR : 30.8	%
2. Feasibility Study	: 11		
3. Detailed Design	: 23	Priority Rating:	
1. Construction	:	Group : B	
Dan	: 357	The second secon	ulai
Irrigation	: 121	Implementation Sched	mT6!
Mini-Hydropower	: 0	Review : 1995	
Water Supply	: 0	F/S : 1995 D/D : 1995	
Watershed Protecti 5. Grand Total		1 0/0	1996;6 months
or angua 10f81	: 512	Oursel de l'actions	

Layout:
Bornelle Control of the Control of Bornelle Control of the Control of
itana taona dia kaominina mpikambana mpikambana arawa arawa anda arawa arawa arawa arawa arawa arawa arawa ara Bitana arawa a
Typical Dam Section:
G of Dam
2.00
40 N.W. S. El. 40.00
8 39 Rundom FIII
40 DH.W. S. El. 40.00  8 39 Rundom FIII
Stripping Uriginal Ground Surface
MAXIMUM SECTION OF DAM EMBANKMENT  5colo 1:100 M
Profile of Dam Axis:
t of Spillings
[W: 0 m]
Ogee Crest 7
Onee Crest El, 40,00 Original Ground Surface
Top of Dam El. 41.00
§ 35 — — — — — — — — — — — — — — — — — —
30 - 30 - 30 - 30 - 30 - 30 - 30 - 30 -
0 + 000 0 + 010 0 + 020 0 + 030 0 + 040 0 + 100 0 + 110 0 + 120 0 + 130 0 + 140 0 + 150 0 + 160 0 + 170 0 + 180  Station in Materia
PROFILE ON CENTERLINE OF DAM
Soble 1:500 M
Note:  Dem configuration is reasonably provided taking low day into consideration. If foundation show the
Dem configuration is reasonably proposed taking low dam into consideration. If foundation show the slightly weathered or hard rock by sub-surface exploration, concrete weir should be studied as an alternative. Combined dam with earth and concrete must be avoided. Additional 0.5 m freeboard is
CALCINALIVE COMMANDA LEGGI WILL FOR HE CARREST BURN IN PRODUCT OF THE PRODUCT OF THE PROPERTY

SWIM PROJEC	TPROFILE	File No. : 44
Regist.No.: Agoncy No.: NIA-49	Name: BAYOG CIS	
Rogion: Province	e: Munic	ipality:
3	NUEVA ECIJA e-F/S(1989) 2. F/S(	LAUR
resent Status: (1) Pro	e-F/S(1989) 2. F/S(	3. D/D( )
No ior	Irrigation	
	IF, FC, WM	
roject Feature:		The state of the s
. Dan : Dan	a Type	: ZONED EARTHFILL
	m Height	28 m
	fective Storage Capacity pankment Volume	; 7,706,000 m3
	sign Flood Discharge	: 81,000 m3 : 175 m3/sec.
	rigation Area	
. Irrigation : Irr . Nini-hydropower : Ins		: 230 ha : - kŴ
. Watershed Man. : Wat	tershed Protection Area	: 467 ha
. Hacoron	sign Supply Capacity	- m3/day
	nual Production	: 238 ton/year
Planning Flood analysis is no Feasibility study sl		
. Design		
Detailed design is r	not conducted.	
J		
	a the second second	
0		
<ul> <li>Operation and Mainter Not studied.</li> </ul>	nance	
not studied.		
und Requirement: (1,000	Pesos)	Project Evaluation:
Review	: 0	EIRR : 29.5 %
. Feasibility Study	287	
. Detailed Design	575	Priority Rating:
. Construction	• • • • • • • • • • • • • • • • • • •	Group : A
Dam	; 9,103	
Irrigation	: 1,815	Implementation Schedule:
Mini-Hydropower	: 0	Review : -
Water Supply	: 0	F/S : 1991
Watershed Protecti		D/D : 1991 Construction: Jul. 1992; 9 months
. Grand Total	23,372	Construction: Jul. 1992; 9 months

Layo	out:	•					•					
	A		ή.									
			:				•					
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T	ical Dam Se	ntion.	· · · · · · · · · · · · · · · · · · ·	_							W-1-1	
1 2 b 1	7.	erion:		¥	d of Do	lin.						
	110		• •	•					•			
	130				6.00		Cl 124	200				
	120	-	N.W.S. El.	117.00		Top of Do	im E1.16	<u> </u>				
ž	110		-1	11	le and	2	3.					
<u> </u>	4.110			(i) (i)	10 12 E	(3)		<b>(4)</b>				
a tio	100	٠						334	FAVOIT		-	
Elevation in Meters	90	THE STATE OF THE S		一个	管理	A STATE OF THE PARTY OF THE PAR	1	A CONTRACT	J. 3740.00.	FEGEND		
w	80	' / L Orlainal	Ground Surla	ر	1	-Stripping					talona Cota	
	**************************************	Originor	the first of the second of the second	off Trench	<b>)</b> :	ւցյլորիում					and Gravel I	Filier
										3 Ran	iom FIII	
			MAXIMUM	SECTION O	F DAM I	EMBANI	KMENT			(1) Duin	ped Boulder	
			nite is a market	Scale	1: 1000 M				•			
	C 2			The second secon			<del></del>					
Prol	file of Dam	AXIS:	•						tof Spillw   (W=20m	ay 1)		
	140,		<del></del>	· · · · · · · · · · · · · · · · · · ·	· ·•			,	 		-E87.57	7
	130						ELIT. DO	3'		With State	Till sin	
S. S.		Natural Grau	nd Syrfoce	Top of Dam El.120	0.00 J				7			] ',
Merers	120				·•			77		ļ	1	-
Elevation in	110	)===						ļ!		ļ		
100	100				ت کیست در ا				<u></u>	<u> </u>		
		Stripping	1/7/1	ترشت تستهدر	Tr	c	ut-off Tre	inch Excov	atlan			
ដ	90		1	=			<u> </u>		1	<u> </u>	-	1
	80	20 0+040	0+060 0+0	00 01100				1.00	1000	ļ	1	1
	01000 010	<u> </u>	UTU0U UTU				H60 0	+180 O	ł200 O	F220	01240 (	1 1 2 6 0
					n in Met	•						
. "		•	PRO	FILE ON CE			MAG					
				Scal	e 1:1000	M	-	····				catacherenchimento a sp
Note	Dem tyne	and its conf	iguration	is reasonably	v promes	d in Pr	e F/S o	tage un	der no s	ictual i	geologic	al
	Investigat	ion. Foundat	ion treatm	is reasonably ent; width o ided through	of imperv	ious zor	ie, sha	pe of c	ore tren	ch, nec	essity	of
	mberArona	DIENKET, W	xua de dec	raea curoagu	r15, D/D	stage.	ragnitu	ne or de	sign at	charge	SHALKI	υC

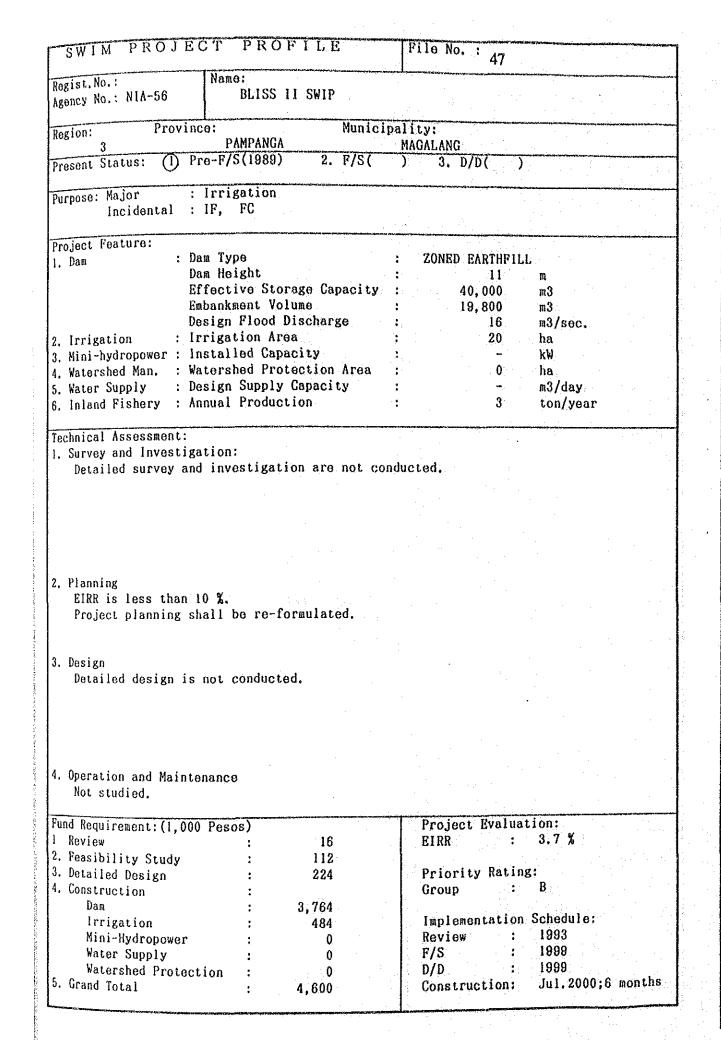
at least more than 100 years.



Layout:
Typical Dam Section:
BO V.W.S. EI.7750  TO STIPPING THE CUI-Off Trench Stripping The Cut-off Tr
Profile of Dam Axis:  \$\delta_{\text{of Spillway}}  \{\W=7\m\} \\ 95.
90 85 85 Natural Ground Surface Top of Dam E1.90.00 \ 55 75 0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 0+030 0+100 0+110 0+120 0+130 0+140
Station in Meters 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.

SWIM PROJE	CT PROFILE	File No.: 46
Rogist, No.: Agency No.: NIA-55	Name: DALAYAP SWIP	
egion: Provi		1
3 resent Status: ①	PAMPANGA Pre-F/S(1989) 2. F/S(	ARAYAT ) 3. D/D( )
asent outline		***
11 0000 1100	: Irrigataion : IF, FC	
oject Feature:	<u>Circuit de l'en emploi de l'inferior de la libre de l'inferior de l'inf</u>	
Dam :	Dam Type Dam Height	: ZONED EARTHFILL
	Effective Storage Capacity	: 20 n : 95,000 m3
	Embankment Volume	: 48,900 m3
	Design Flood Discharge	33 m3/sec.
	Irrigation Area	55 ha
Mini-hydropower:	Installed Capacity	: - kW
H600.0	Watershed Protection Area	: 0 ha
	Design Supply Capacity Annual Production	m3/day ton/year
echnical Assessment:		
Planning		
EIRR is less than Project planning	10 %. shall be re-formulated.	
. Design		
Detailed design is	s not conducted.	
. Operation and Main Not studied.	lenance	
Not studied.		T. Project Evaluation
Not studied.  und Requirement: (1,0)	00 Pesos)	Project Evaluation:
Not studied.  Fund Requirement: (1,0)  Review	00 Pesos) : 31	Project Evaluation: EIRR : -0.2 %
Not studied.  Fund Requirement: (1,0) Review  Feasibility Study	00 Pesos)	EIRR : -0.2 %  Priority Rating:
Not studied.  Fund Requirement: (1,0) Review C. Feasibility Study Detailed Design	00 Pesos) : 31 : 223	EIRR : -0.2 %
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Detailed Design  Construction  Dam	00 Pesos) : 31 : 223 : 446 : 7,115	EIRR : -0.2 %  Priority Rating: Group : B
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Construction  Dam  Irrigation	00 Pesos) : 31 : 223 : 446 : 7,115 : 1,331	EIRR : -0.2 %  Priority Rating: Group : B  Implementation Schedule:
Not studied.  Fund Requirement: (1,0) Review Reasibility Study Retailed Design Restruction Dam Irrigation Mini-Hydropower	00 Pesos) : 31 : 223 : 446 : 7,115 : 1,331 : 0	EIRR : -0.2 %  Priority Rating: Group : B  Implementation Schedule: Review : 1993
Not studied.  Fund Requirement: (1,0)  Review  Feasibility Study  Construction  Dam  Irrigation  Mini-Hydropower  Water Supply	00 Pesos) : 31 : 223 : 446 : 7,115 : 1,331 : 0	EIRR: -0.2 %  Priority Rating: Group: B  Implementation Schedule: Review: 1993 F/S: 1998
Fund Requirement: (1,0)  Review  Fund Review  Fund Fund Fund Fund Fund Fund Fund Fund	00 Pesos) : 31 : 223 : 446 : 7,115 : 1,331 : 0	EIRR : -0.2 %  Priority Rating: Group : B  Implementation Schedule: Review : 1993 F/S : 1998

Layout:	
	<b>Validation</b>
Typical Dam Section:    120	
Profile of Dam Axis: cot Spillway (W=5m)  Oque Crest 105  Original Ground Surface  Original Ground Surface  Stripping  Stripping  PROFILE ON CENTERLINE OF DAM Scale 1:300 M	<b>160</b>
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.	



Layout:	
en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la co	
Typical Dam Section:	
90	
E 80	
70 6.07 (L) Top of Dom El 60.00	
5 60  NWS. EI. 57.50  3 (2) (1) (2) (3)  10 50  LEGEID:	
Original Ground Surface  Stripping  (1) Impervious Core Stripping	
Cut-off Trench (3) Random FIII	
MAXIMUM SECTION OF DAM EMPANKMENT	
(4) Dumped Boulder	-
MAXIMUM SECTION OF DAM EMBANKMENT	To the state of th
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:	
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:    Col Spillwoy 2	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:    Sol Spillwoy 2	
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:    Sol Spillwoy 2	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:    Sol Spillwoy 2	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:    Sol Spillwoy 2	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Original Ground Surface (Top of Dam Ei. 60.00)  Cul-off Trench Excavation  Stripping	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Original Ground Surface (Top of Dam El, 60.00 pre Crest   5.57.50 pre Cr	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Open Crest  El. 57. 50  Original Ground Surface (Top of Dam El. 60.00)  Stellpping  Other Crest  Cul-off Trench Excovation  Other Crest  Stellpping  Other Crest  Other Crest  Stellpping  Other Crest  Othe	,
MAXIMUM SECTION OF DAM EMPANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Original Ground Surface Atop of Dam El. 60.00  PROFILE ON CENTERLINE OF DAM  Scale 1: 500 M  Note:	,
MAXIMUM SECTION OF DAM EMPANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Original Ground Surface Atop of Dam El. 60.00  PROFILE ON CENTERLINE OF DAM  Scale 1: 500 M  Note:	,
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Original Ground Surface (Top of Dam El. 60.00)  Stripping 45  40  O1000 01010 04020 04080 04090 04100 04110 01120 04150 01140 04150 01150 01170 041  Stration in Meters  PROFILE ON CENTERLINE OF DAM  Senie 1: 500 M	,

Layout:
The second second
The state of the s
en de la servición de la companya de la companya de la companya de la companya de la companya de la companya d
Typical Dam Section:
g <u>160</u>
ÿ 150
5
<u>140</u>
130
2 120
ķi .
110
Drofile of Nam Avid
Profile of Dam Axis
145
140
<u>.</u>
9 135
± 130 − − −
<u> </u>
120
. Partie value of the state of
115
110
01000 010
Note:
Dam type and its
investigation. For impervious blanket
impervious blanket
A Part of the Control

Layout:
Typical Dam Section:
₫ of Dam
e 160
150  140  N.W.S. El. 137.50  120  120  120  130  120  120
Top of Dam El. 140.00
3 (2 1 2 3 4)
120 Department of the same of
110 LEGEND
Original Ground Surface  Stripping  (2) Sand and Gravet Filter
Cul-off Trench (2) Sand and Graves Filter  MAXIMUM SECTION OF DAM EMBANKMENT (3) Random Fill
Scole 1: 1000 M  (4) Dumped Boulder
Profile of Dam Axis: fot sein may
-Cogee Crost
145 Top of Dam E1. 140.00
135 Coriginal Ground Surface
120
Stripping Cut-off Trench Excavallon
01000 01010 01020 01030 01040 01050 01060 01070 01080 01090 01100 0110 01120
Statton in Meters
PROFILE ON CENTERLINE OF DAM
Scale 1:500 M
Note:  Dem type and its configuration is reasonably proposed in Pre F/S stage under no actual geological
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.

SWIM PROJEC	TPROFILE	File No. : 49	
Regist.No.: Agency No.: NIA-58	Name: TANGCARANG CIP	And the second s	and the the the transmission of the transmissi
egion: Province			- may indee the state of the st
3	TARLAC -F/S(1989) 2, F/S(	MAYANTOC	Still Francis Chief philipsian and Still S
resent Status: (1) Pre	-F/S(1989) 2. F/S(	) 3. D/D(	
urpose: Major : I	rrigation	And the second of the second s	in the state of th
	F, FC, WM		
and the second second second second second second second second second second second second second second second	of the rapid front comment from mary to be found or to the problem the range of the rate of the property of the second of the		
roject Feature: . Dan : Dam	Type	: ZONED EARTHF	<b>!!!</b>
Date.	Height	: 21	I UE
	ective Storage Capacity	: 278,000	m3
	ankment Volume	: 21,600	m3
Des	ign Flood Discharge	: 14	m3/sec.
	igation Area	: 10,0	ha
Mini-hydropower : Ins	talled Capacity	##	k₩
	ershed Protection Area	: 80	ha
	ign Supply Capacity	:	m3/day
Inland Fishery : Ann	ual Production	: 8	ton/year
		en de la Maria de la Carte de la Carte de la Carte de la Carte de la Carte de la Carte de la Carte de la Carte La carte de la	
. Planning	•		
Feasibility study sh	all be cinducted.		
	•		
h. '.		•	
. Design Detailed design is no	nt conducted		
pergried design is in	or conductou.		
	•		
	•		
<b>0</b>			
Operation and Mainten	ance		
Not studied.			
and Requirement: (1,000	Pesos)	Project Eval	uation:
Review	: 0		: 16.8 %
Feasibility Study	: 167		
Detailed Design	: 335	Priority Rat	ing:
. Construction	:	Group	<b>:</b> B
Dam	: 3,976		
Irrigation	: 2,420	Implementation	on Schedule:
Mini-Hydropower	: 0	Review	- 1995
Water Supply	: 0	F/S D/D	1995
Watanahad Dagger	-	1 137 13	1000
Watershed Protection . Grand Total	on: 2,150 : 9,048	Construction	

Layout:
Typical Dam Section:
of Dom
140 Top of Dam El. 140.00
120
U IIO LEGEND Original Ground Surface Stripping (1) Impervious Core
Cut-off Trench (2) Sond and Gravel Filter
MAXIMUM SECTION OF DAM EMBANKMENT 3 Rondom FIII
Scale 1:1000 M (4) Dumped Boulder
Profile of Dam Axis:  qof Spilingy f(w=2m)
Top of Dam Et. 140.00 7
140 135 Ogus Crost
Original Ground Surface Elev. 137.50 Stripping
Cul-off Trench Excavation
01000 01010 01020 01030 01070 01080 01090 01100 01120 01130 01140 01150 C1160
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.
The contract of the contract o

SWIM PROJECT PROFILE	File No. : 50
Namo:	JV
Rogist. No.: Namo: LAWACAMULAG CIP	
100,000	pality:
3 TARLAC  Drosent Status: (1) Pro-F/S(1989) 2. F/S(	TARLAC
Present Status: Pre-F/S(1989) 2. F/S(	) 3, D/D( )
Purpose: Major : Irrigation	
Incidental : IF, FC	
Project Feature: Dam Type	: ZONED EARTHFILL
l. Dam : Dam lype Dam Height	: 9 m
Effective Storage Capacity	: 719,000 m3
Embankment Volume	: 36,000 m3
Design Flood Discharge	17 m3/sec.
2. Irrigation : Irrigation Area	: 120 ha
3. Mini-hydropower : Installed Capacity	
4. Watershed Man. : Watershed Protection Area	: 0 ha
5. Water Supply : Design Supply Capacity	- m3/day
6. Inland Fishery : Annual Production	: 54 ton/year
Technical Assessment: 1. Survey and Investigation: Detailed survey and investigation are not co	nducted.
0. 01	
2. Planning Foreibility study shall be conducted	
Feasibility study shall be conducted.	
3. Design	1
Hotellad decima in and conducted	and the state of t
Detailed design is not conducted.	
betailed design is not conducted.	
4. Operation and Maintenance	
4. Operation and Maintenance Not studied.	Dec. Local Control of
4. Operation and Maintenance Not studied. Fund Requirement: (1,000 Pesos)	Project Evaluation:
4. Operation and Maintenance Not studied. Fund Requirement: (1,000 Pesos) 1 Review : 0	Project Evaluation: EIRR : 21.4 %
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 0  2. Feasibility Study : 217	EIRR : 21.4 %
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Review : 0 2. Feasibility Study : 217 3. Detailed Design : 434	EIRR : 21.4 % Priority Rating:
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 0  2. Feasibility Study : 217  3. Detailed Design : 434  4. Construction :	EIRR : 21.4 % Priority Rating:
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Review : 0 2. Feasibility Study : 217 3. Detailed Design : 434 4. Construction : 5,886	EIRR : 21.4 % Priority Rating:
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 0  2. Feasibility Study : 217  3. Detailed Design : 434  4. Construction : 5,886	EIRR : 21.4 %  Priority Rating: Group : B  Implementation Schedule: Review :
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos) 1 Review : 0 2. Feasibility Study : 217 3. Detailed Design : 434 4. Construction : 5,886 Irrigation : 2,905 Mini-Hydropower : 0 Water Supply : 0	EIRR : 21.4 %  Priority Rating: Group : B  Implementation Schedule: Review : F/S : 1995
4. Operation and Maintenance Not studied.  Fund Requirement: (1,000 Pesos)  1 Review : 0  2. Feasibility Study : 217  3. Detailed Design : 434  4. Construction : 5,886 Irrigation : 2,905 Mini-Hydropower : 0	EIRR : 21.4 %  Priority Rating: Group : B  Implementation Schedule: Review :

Layout:
Typical Dam Section:
120   of Doin     100
Original Ground Surface  Out-off Trench  Stripping  (1)  (2)  (3)  (4)  (4)  (5)  (4)  (5)  (5)  (7)  (6)  (7)  (8)  (8)  (9)  (9)  (9)  (9)  (9)  (10)  (11)  (11)  (12)  (13)  (14)  (15)  (15)  (16)  (17)  (17)  (18
MAXIMUM SECTION OF DAM EMBANKMENT  Scale 13 1000 M
Profile of Dam Axis:  NOTE: Morning Glory Spillway
100   100
PROFILE ON CENTERLINE OF DAM Scale 1: 800 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.

SWIM PROJECT	PROFILE	File No. : 51	Security of the security of th
egist.No.: Name gency No.: NIA-72	O: MATIKIW SWIP	an galain kanapa aryunin kanamatan <del>asan maharan ma</del> ngkalain kanapan mahan pingkan kanamatan kanamatan maharan ma	
ogion: Province:		pality:	**************************************
4 LA	GUNA	PAKIL	
esent Status: (1) Pre-F/S	(1989) 2. F/S(	) 3. D/D( )	
rpose: Major : Irrig	ation		
incidental : IF,			
		The second secon	
oject Feature: Dam : Dam Typ	e ·	: ZONED EARTHFILL	
Dan Hei		: 30 m	
	ve Storage Capacity	: 447,000 m3	
	ent Volume Flood Discharge	: 136,100 m3	
Irrigation : Irrigat		: 150 m3/se : 100 ha	C.
Mini-hydropower : Install	ed Capacity	· kW	ļ
110000	ed Protection Area	: 0 ha	
	Supply Capacity Production	: - m3/da : 11 ton/y	- 1
Illiand Lightly . Inmagr		it conf	dai
chnical Assessment:		The state of the s	
Survey and Investigation: Detailed survey and inve	atication and not on	odnos od	
betailed survey and inve	stigation are not con	iaactea.	
			1
	er a		
Planning			
EIRR is less than 10 %.	- no formulated		
Project planning shall b	e re-iormulated.		
Design			
Detailed design is not c	onducted.	•	
	•		
Operation and Maintenance			
Not studied.			
	and the second second second second second second second second second second second second second second second	The second second second second second second second second second second second second second second second se	
nd Requirement:(1,000 Peso Review		Project Evaluation: EIRR : 0.8 %	
review Feasibility Study	: 81 : 580	EIRK . VIO A	
Detailed Design	: 1,161	Priority Rating:	
Construction		Group : B	
Dam Irrigation	: 19,567	Implementation Schedu	le:
Mini-Hydropower	: 2,420 : 0	Review: 1993	
Water Supply	. 0	F/S : 1998	
Watershed Protection	: 0	D/D : 1998	000.10
Grand Total	: 23,810	Construction: Jul. 1	999;12 months

Layout:
Typical Dam Section: 4 of Dom
140
8.00
N.W. S. El. 127.00
120
TEGEND.
Original Ground Surface Stripping (1) Impervious Cors
Cut -off Trench . (2) Sand & Gravel Filter
MAXIMUM SECTION OF DAM FMRANKMENT
Scale 1: 1000 M
4 Dumped Boulder
Profile of Dam Axis: Got Spillwoy (W:17m)
160
150 Original Ground Surfoce Oges Crest
\$ 140 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
5 130 Top of Bam El. 130,00
5 120 Stripping Cut-oil Trench Excavation
100
0+020 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+290
Station in Maters.
PROFILE ON CENTERLINE OF DAM
Seals 1: 1000 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 at least more than 100 years.

	and a superior of the superior		
SWIM PROJECT	PROFILE	File No. : 52	S. Carlotte Brown
Regist.No.: Nam Agency No.: NIA-97	e: DOMOROG SWIP	and the second second second second second second second second second second second second second second second	the state of the s
Region: Province:	Municipa		
5 M	ASBATE BYOK	CATAINGAN	
Present Status: (1) Pre-F/	S(1989) 2, F/S(	) 3. D/D( )	
Purpose: Major : Irri	gation	Nageliel with all and the second second page of the second	
Incidental : IF,	FC		
Project Feature:			ىيىرىۋىدىدىن بىساسىلىدىن <u>سىدىكە</u> ئەتلىك دەكلىك چەكلىك تەكلىك تەكلىك تەكلىك تەكلىك تەكلىك تەكلىك تەكلىك تەكلىك ت
1. Dam : Dam Ty		ZONED EARTHFILL	
Dam He	ignt ive Storage Capacity :	22 n	
	ment Volume :	1,147,000 m3	
	Flood Discharge :	57,500 m3	
	tion Area :	70 m3/sec. 120 ha	
	led Capacity :	- kW	
Natershed Man. : Waters	hed Protection Area :	0 ha	
14 "440	Supply Capacity :	- m3/day	and the second
	Production :	34 ton/yea	ar
becarred our of the inv	estigation are not stud		
		•	•
			14 Te
2. Planning			
2. Planning Feasibility study shall	be conducted.		
2. Planning Feasibility study shall	be conducted.		
	be conducted.		
Feasibility study shall	be conducted.		
Feasibility study shall			
Feasibility study shall  Design			
Feasibility study shall  . Design			
Feasibility study shall . Design			
Feasibility study shall  . Design			
Feasibility study shall  Design Detailed design is not	conducted.		
Feasibility study shall  Design Detailed design is not of the control of the cont	conducted.		
Feasibility study shall  Design Detailed design is not	conducted.		
Feasibility study shall  Design Detailed design is not of the studied design is not of the studied.	conducted.	Project Evaluation:	
Feasibility study shall  Design Detailed design is not of the studied design is not of the studied.  Design Operation and Maintenance with the studied.	conducted.	Project Evaluation:	
Feasibility study shall  Design Detailed design is not of the latest and Maintenance Not studied.  Und Requirement: (1,000 Pesco Review	conducted,  os)  : 0	Project Evaluation: EIRR : 16.4 %	
Feasibility study shall  Design Detailed design is not of the latest and Maintenance Not studied.  Und Requirement: (1,000 Pesce Review Feasibility Study	conducted,  os)  : 0 : 345	EIRR : 16.4 %	
Feasibility study shall  Design Detailed design is not a limited limited limited.  Operation and Maintenance Not studied.  Und Requirement: (1,000 Peson Review Feasibility Study Detailed Design	conducted,  os)  : 0	EIRR : 16.4 %  Priority Rating:	
Feasibility study shall  Design Detailed design is not a limit of the	conducted.  cos)  : 0 : 345 : 691	EIRR : 16.4 %  Priority Rating:	
Feasibility study shall  Design Detailed design is not of the latest terms of the late	conducted.  5 5 6 10 10 10 10 10 10 10 10 10 10 10 10 10	EIRR : 16.4 %  Priority Rating:	<b>*</b>
Feasibility study shall  Design Detailed design is not of the Not studied.  Fund Requirement: (1,000 Peson Review Feasibility Study Detailed Design Construction Dam Irrigation	conducted.  cos)  : 0 : 345 : 691	EIRR : 16.4 %  Priority Rating: Group : B	3:
Feasibility study shall  B. Design Detailed design is not of the latest and Maintenance Not studied.  Fund Requirement: (1,000 Peson Review Study Stud	conducted.  os)  : 0 : 345 : 691 : 10,474 : 2,905	EIRR : 16.4 %  Priority Rating: Group : B  Implementation Schedule	<b>3:</b>
Feasibility study shall  3. Design Detailed design is not of the studied.  Fund Requirement: (1,000 Peson Review Study S	conducted.  os)  : 0 : 345 : 691 : 10,474 : 2,905	EIRR : 16.4 %  Priority Rating: Group : B  Implementation Schedule Review :	

No. : 52		Layout:
	-	
GAN . D/D( )	-	
		entri de la compagnita de la compagnita de la compagnita de la compagnita de la compagnita de la compagnita de La compagnita de la compagnitación de la compagnitación de la compagnitación de la compagnitación de la compag
ED EARTHFILL		
22 n , 147, 000 m3		
57,500 m3 70 m3/sec.		
120 ha		
- kW 0 ha		
- m3/day 34 ton/year		Typical Dam Section:
		BO of Dorn
		<u> 70</u>
		5.00 5.00 Top of Dam E1. 60.00
		6 50
		(3) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
		m 30
		Original Ground Surface  Stripping  Stripping  Out-off Trench
		MAXIMUM SECTION OF DAM EMBANKMENT  (4) Dumped Bouldar
		Scale 1: 1000 M
		Profile of Dam Axis: Col Spillway (W:8m)
		70
		Original Ground Surface (Top of Dam 60.00) Ogea Crest - Elev.57.50
		60
		55 50
ject Evaluation: ? : 16.4 %		Cut-off Trench Excavation
ority Rating:		35
ip ; B		0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 0+090 0+100 0+10 0+120 0+130
lementation Schedule:		PROFILE ON CENTERLINE OF DAM  Scote 1: 500 H
lew : - : 1995		Note:
: 1995		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.
struction: Jul. 1996;9 months		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. : 53
Regist. No.: Name: Regency No.: NIA-98 BATONGAN CIP	
	cipality:
5 MASBATE	MANDAON
Present Status: 1 Pre-F/S(1989) 2. F/S(	( ) 3. D/D( )
urpose: Major : Irrigation Incidental : IF, FC	
roject Feature:	
Dam : Dam Type	: ZONED EARTHFILL
Dam Height	15 n
Effective Storage Capacit	
Embankment Volume Design Flood Discharge	: 52,500 m3 : 46 m3/sec.
	: 46 m3/sec. : 150 ha
. Irrigation : Irrigation Area . Mini-hydropower : Installed Capacity	- kW
Watershed Man. : Watershed Protection Area	
Water Supply : Design Supply Capacity	: "3/day
Inland Fishery : Annual Production	: 80 ton/year
echnical Assessment:	
. Planning	
Feasibility study shall be conducted.	
Design Detailed design is not conducted.	
. Operation and Maintenance Not studied.	
Had Dominion (1 000 D	Project Evaluation:
und Requirement: (1,000 Pesos) Review : 0	EIRR : 24.7 %
Feasibility Study : 327	**************************************
Detailed Design : 654	Priority Rating:
. Construction	Group : A
Dam : 9,593	
Irrigation : 3,631	Implementation Schedule:
Mini-Hydropower ; 0	Review :
Water Supply : 0	F/S : 1993 D/D : 1994
Watershed Protection : 0 Grand Total : 14.204	D/D : 1994 Construction: Jan. 1995; 9 months
Grand Total : 14,204	Other montain amilianote war

Annual per analogue of the Control o

SWIM PROJECT PROFILE   File No. : 54	· ·
ovist. No.: Name:	nin and improved appropriate
gency No.: NIA-89 JAMORAWON CIP	
egion: Province: Municipality:	
5 MASBATE MILAGROS	
resent Status: (1) Pre-F/S(1989) 2. F/S( ) 3. D/D( )	
urpose: Major : Irrigation Incidental : IF, FC, WM	
roject Feature:	
Dam : Dam Type : ZONED EARTHFILL  Dam Height : 15 m	
Dam Height : 15 m Effective Storage Capacity : 4,280,000 m3	
Embankment Volume : 77,000 m3	
Design Flood Discharge : 340 m3/sec.	
Irrigation : Irrigation Area : 400 ha	
Mini-hydropower: Installed Capacity : - kW	
Watershed Man. : Watershed Protection Area : 950 ha	
Water Supply : Design Supply Capacity : - m3/day	
Inland Fishery : Annual Production : 266 ton/year	1
chnical Assessment:	
Survey and Investigation:	
Detailed survey and investigation are not conducted.	
	, <b>1</b> .
Dt	
Planning Feasibility study shall be conducted.	
Design	
Detailed design is not conducted.	
	1
Operation and Maintenance	*
Not studied,	
nd Requirement: (1,000 Pesos) Project Evaluation:	
Review : 0 EIRR 28.7 %	
Feasibility Study : 885	
Detailed Design : 1,771 Priority Rating:	<u> </u>
Construction : Group : A	
to the state of the state of the state of the state of the state of the state of the state of the state of the	1
Dam : 26,660	
Irrigation : 9.682 Implementation Schedule:	
Irrigation : 9,682 Implementation Schedule: Mini-Hydropower : 0 Review :	
Irrigation : 9,682 Implementation Schedule: Mini-Hydropower : 0 Review : - Water Supply : 0 F/S : 1993	
Irrigation : 9,682 Implementation Schedule: Mini-Hydropower : 0 Review :	nths

il Dam Section:
6,00
at the contract of the contrac
Q N.W.S. Et 37.60
25 (2) (1) (2) (3) (4)
(inpervious Core
Original Ground Surface Stripping @ Sand and Grovel Filter
Cut-off Trench (3) Random Fill
MAXIMUM SECTION OF DAM EMBANKMENT
Scale 1,100 M
le of Dam Axis:
5
Original Ground Surface Ogen Grast
Top of Dam El. 40.002)
1-
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Stripping
Cul-Oli Trench Ezecvation
1000 01010 01020 01030 01040 01050 01060 01070 01000 01090 01100 01110 01120 01130 01
Station in Meters
PROFILE ON CENTERLINE OF DAM Scale U.500 M
Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological
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.
Magnitude of design discharge should be at least more than 100 years.
5 4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

SWIM PROJECT PROFILE	File No. : 55
legist.No.: Name: CABANGCALAN CIP	With the control of t
	Municipality:
5 MASBATE	PLACER
resent Status: (1) Pre-F/S(1989) 2. F	7/S( ) 3, D/D( )
urpose: Major : Irrigation Incidental : IF, FC, WM	
roject Feature:	
Dan : Dan Type Dan Height	ZONED EARTHFILL 22 m
Effective Storage Capa	
Embankment Volume	: 70,700 m3
Design Flood Discharge Irrigation : Irrigation Area	
. Irrigation : Irrigation Area . Mini-hydropower : Installed Capacity	: 200 ha : - kW
. Watershed Man. : Watershed Protection A	rea : 1,530 ha
Water Supply : Design Supply Capacity	
. Inland Fishery : Annual Production	: 370 ton/year
echnical Assessment:	
. Survey and Investigation:	
Detailed survey and investigation are n	ot conducted.
. 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 : 22.9 %
Moonibilian Can In	Priority Rating:
Feasibility Study : 912	1 ILIULAUJ HUULIIGI
Detailed Design : 1.825	Group : B
Detailed Design : 1,825  Construction : 33,680	
Detailed Design : 1,825 Construction : 33,680 Irrigation : 4,841	Implementation Schedule:
Detailed Design : 1,825 Construction : 33,680 Irrigation : 4,841 Mini-Hydropower : 0	Implementation Schedule: Review : -
Detailed Design : 1,825 Construction : 33,680 Irrigation : 4,841	Implementation Schedule:

		Layout:
AND AND AND AND AND AND AND AND AND AND		
and the same of th		
	. : .	
n		
m3		
m3 m3/sec.		
ha		
kW ha		
m3/day		Typical Dam Section:
ton/year	1	60 Oam
		y
		50 Top of Dam Et. 40.00
		C 40 N.W.S EL 37.50
		30 (2) (1) (2) (3) (4)
		20
		2) Sand and Gravel Filler
		Original Ground Surface Stripping
		Car on 110.000
		MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1:1000 M
		Profile of Dam Axis:
		G of Spillway, Iw: 60ml.  Original Ground Surface  Top of Dam Et. 40.00  Georgian Country Coun
		Top of Dam Et 40.00
		5 30
on:		Stripping  Cut-oli franch Excoval on
22.9 %		
		01000 01010 01020 01030 01040 01050 01070 01080 01090 01100 01110 01120 01130 01140 01150 Station in Maters
В		PROFILE ON CENTERLINE OF DAM
chedule:		Scale 1: 500 AI
- 1995		Note: government of the second
1995		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
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. Magnitude of design discharge should be at least more than 100 years.
<u> </u>		

SWIM PROJE	CT PROFILE	File No. : 56
Calas No. 1	Name:	J.V.
legist.No.: gency No.: NIA-101	POSTAGON SWIMP	
egion: Provin	nce: Munici	pality:
5	MASBATE	PLACER
resent Status: (1) I	Pre-F/S(1989) 2. F/S(	) 3. D/D( )
III DOSO:	Irrigation IF, FC, WM	***************************************
roject Feature:	Oam Type	: ZONED EARTHFILL
Dum	Dam Height	
	Effective Storage Capacity	: 2Z m : 4,928,000 m3
	Embankment Volume	: 89,000 m3
	Design Flood Discharge	: 105 m3/sec.
	rrigation Area	: 250 ha
Mini-hydropower : I		- kW
Watershed Man. : W	Atershed Protection Area	: 160 ha
1.40-0-1	Design Supply Capacity	: - m3/day
	Annual Production	: 152 ton/year
Intend trancia , u		·
_		
_	shall be conducted.	
_	shall be conducted.	
_	shall be conducted.	
Feasibility study  Design		
Feasibility study		
Feasibility study  Design		
Feasibility study  Design  Detailed design is	not conducted.	
Peasibility study  Design Detailed design is  Operation and Maint	not conducted.	
Feasibility study  Design  Detailed design is	not conducted.	
Feasibility study  Design Detailed design is  Operation and Maint Not studied.	not conducted.	T Destant Evaluation
Peasibility study  Design Detailed design is  Operation and Maint Not studied.	enance	Project Evaluation:
Peasibility study  Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00) Review	enance  O Pesos)  : 0	Project Evaluation: EIRR : 23.9 %
Peasibility study  Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00) Review Feasibility Study	enance  O Pesos)  : 0 : 630	EIRR : 23.9 %
Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00 Review Feasibility Study Detailed Design	enance  O Pesos)  : 0	EIRR : 23.9 % Priority Rating:
Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00) Review Feasibility Study Detailed Design Construction	enance  O Pesos)  : 0 : 630 : 1,260 :	EIRR : 23.9 %
Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00 Review Feasibility Study Detailed Design Construction Dam	enance  O Pesos)  : 0 : 630 : 1,260 : 19,390	EIRR : 23.9 %  Priority Rating: Group : A
Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00 Review Feasibility Study Detailed Design Construction Dam Irrigation	enance  O Pesos)  : 0 : 630 : 1,260 : 19,390 : 6,051	Priority Rating: Group : A  Implementation Schedule:
Design Detailed design is  Operation and Maint Not studied.  Ind Requirement: (1,00 Review Feasibility Study Detailed Design Construction Dam Irrigation Mini-Hydropower	enance  O Pesos)  : 0 : 630 : 1,260 : 19,390 : 6,051 : 0	EIRR : 23.9 %  Priority Rating: Group : A  Implementation Schedule: Review : -
Design Detailed design is Operation and Maint Not studied.  Ind Requirement: (1,00 Review Feasibility Study Detailed Design Construction Dam Irrigation	enance  O Pesos)  : 0 : 630 : 1,260 : 19,390 : 6,051 : 0 : 0	EIRR : 23.9 %  Priority Rating: Group : A  Implementation Schedule:

File No. : 56	Layout:
ality:	
PLACER ) 3. D/D( )	
ZONED EARTHFILL	
22 m	
89,000 m3	
105 m3/sec. 250 ha	
- kW 160 ha	
- m3/day 152 ton/year	Typical Dam Section:
	-70
ucted.	50 - 6.00 Top of Dam El. 50.00
	9 N.W.S EL 47.50
	30
	W 20 LEGEND Original Ground Surface Stripping (1) Impervious Care
	Cul-off Trench (2) Sand and Gravel' Filter
	MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Oumped Boulder
	25cale 1.1000 m
	Profile of Dam Axis:
	55 Original Ground Surface
	Top of Dam EL 50.007   Elev. 47.30
	# 45 E 40
	5 40 35 35
Project Evaluation: EIRR : 23.9 %	30 Stripping Cut-off Trench Excavation
Priority Rating:	0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 0+090 0+100 0+100 0+120 0+140
Group : A	Station in Meters
Implementation Schedule:	PROFILE ON CENTERLINE OF DAM  Scale 1:500 M
Review : - F/S : 1992	Note: Dam type and its configuration is reasonably proposed in Pre F/S stage under no actual geological
D/D : 1993 Construction: Jan.1994;12 months	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.
The state of the s	

SWIM PROJ	ECT PROFILE	File No.: 57
Regist.No.: Agency No.: NIA-102	Name: PILI SWIMP	
agency No		
(BR rous	ince:	Municipality:
5 resent Status: (1)	MASBATE Pre-F/S(1989) 2.	PLACER F/S( ) 3. D/D( )
resent Status.	110 1/0(1000) 11.	1/S( ) 3. D/D( )
Purpose: Major Incidental	: Irrigation : IF, FC, WM	
Project Feature:	والمرابعة والمرا	Models grouped as the symptotic and provided the second of
I. Dam	Dam Type	: ZONED EARTHFILL
	Dam Height	10 n
	Effective Storage Ca Embankment Volume	
	Design Flood Dischar	: 24,000 m3 ge : 54 m3/sec.
. Irrigation :	Irrigation Area	: 80 ha
	Installed Capacity	- k₩
l. Watershed Man. :	Watershed Protection	그 사람들은 그는 그를 가는 것이 되었다. 그는 그를 가장하는 것이 살아왔다.
Water Supply :	Design Supply Capaci	
, Inland Fishery :	Annual Production	: 58 ton/year
echnical Assessment: . Survey and Investi Detailed survey a		not conducted.
•	,	
. Planning		
Feasibility study	y shall be conducted.	
	•	
. Design	•	
	shall be conducted.	
	•	
. Operation and Main Not studied.	itenance	
und Requirement:(1,0	100 Pagag)	Project Evaluation:
Review	: 0	00 0 0
. Feasibility Study	: 175	
Detailed Design	: 349	
. Construction	:	Group : A
Dam Irrigation	5,282	
Mini-Hydropower	: 1,936	Review : -
tiffit - 13 6 (13, (1) (4) (1)		
	: 0	F/S : 1991
Water Supply Watershed Prote Grand Total	: 0	

Layout:	
Typical Dam Section:	
50 v d of Dam	
ž <u>40</u>	
30	
20 UNIVER EL. 17.50 TOP OF DOM EL. 20.00'	
10	(1) timperylous Core
0	(2) Sand and Gravel Filler
Original Ground Surface  Cut-off Trench Stripping	(3) flandoin Fill (4) Duinped Bouldes
MAXIMUM SECTION OF DAM EMBANKMENT	(4) Damban manage
MAXIMIM SECTION OF DAM CHICKNEHI	
Scale 1:1000 M	
Scale 1:1000 M	Little Malderstade,
Profile of Dam Axis:	
Profile of Dam Axis:	The state of the s
Profile of Dam Axis:  35	This state of
Profile of Dam Axis:  35	
Profile of Dam Axis:  35	The state of the s
Profile of Dam Axis:  35	The state of the s
Profile of Dam Axis:  35	
Profile of Dam Axis:  35 30 401 Spittway (Yr 8 m) Ogea Crest El.17.50 Catoli Trench Excava	
Profile of Dam Axis:    35	
Profile of Dam Axis:  35 30 401 Spillway (W. Bm) - Ogee Crest El.17.50  Criginal Ground Surface El.17.50  Stripping  Cut-off Trench Excava  Stripping  O-O2O O-O1O O+O0O O+O0O O+O2O O+O3O O+O3O O+O4O OFO5O O+O5O O+O7O  Stripping  Stripping  Stripping  Stripping  Stripping  O-O2O O-O1O O+O0O O+O2O O+O3O O+O3O O+O4O OFO5O O+O5O O+O7O  Stripping  O-O2O O-O1O O+O0O O+O0O O+O1O O+O2O O+O3O O+O3O O+O4O O+O5O O+O5O O+O7O O+O5O O+O7O O+O	lion
Profile of Dam Axis:    Of Spillway (W: 8 m)	lion
Profile of Dam Axis:    Of Spiliway (W = 8 m)	0+080 O+090 O+100
Profile of Dam Axis:    Of Spillway (W: 8 m)	0+080 O+090 O+100
Profile of Dam Axis:  35 36 37 38 39 30 30 30 30 30 30 30 30 30 30 30 30 30	0+080 O+090 O+100

	File No. : 58
Regist, No.: Name: Regist, No.: NIA-103 BITO SWIMP	
egion: Province: Munic	ipality:
5 MASBATE	SAN FERNANDO
resent Status: (1) Pre-F/S(1989) 2. F/S(	) 3. D/D( )
Purpose: Major : Irrigation	
Incidental : IF, FC, WM	
roject Feature:	
Dam Type	: ZONED EARTHFILL
Dam Height Effective Storage Capacity	: 1,404,000 m3
Embankment Volume	. 1,404,000 m3
Design Flood Discharge	: 589 m3/sec.
Irrigation : Irrigation Area	: 200 ha
Mini-hydropower : Installed Capacity	÷ k₩
Watershed Man. : Watershed Protection Area	: 1,400 ha
Water Supply : Design Supply Capacity Inland Fishery : Annual Production	: - m3/day
Inland Fishery : Annual Production	: 53 ton/year
Planning	
Feasibility study shall be conducted.	
The state of the s	
Design Detailed design is not conducted.	$(A_{ij},A_{ij}$
Operation and Maintenance	
Operation and Maintenance Not studied. Ind Requirement: (1,000 Pesos)	Project Evaluation:
Operation and Maintenance Not studied.  nd Requirement: (1,000 Pesos) Review: 0	Project Evaluation: EIRR : 11.6 %
Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879	EIRR : 11.6 %
Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879 Detailed Design : 1,758	EIRR : 11.6 %  Priority Rating:
Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879 Detailed Design : 1,758 Construction :	EIRR : 11.6 %
Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879 Detailed Design : 1,758 Construction : Dam : 28,860	EIRR : 11.6 %  Priority Rating:
Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879 Detailed Design : 1,758 Construction :	Priority Rating: Group : B  Implementation Schedule: Review : -
Operation and Maintenance Not studied.  Ind Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879 Detailed Design : 1,758 Construction : 28,860 Irrigation : 4,841 Mini-Hydropower : 0 Water Supply : 0	Priority Rating: Group: B  Implementation Schedule: Review: - F/S: 1996
Operation and Maintenance Not studied.  Und Requirement: (1,000 Pesos) Review : 0 Feasibility Study : 879 Detailed Design : 1,758 Construction : 28,860 Irrigation : 4,841 Mini-Hydropower : 0	Priority Rating: Group : B  Implementation Schedule: Review :

minimum management with the last the la	
PARTICIA - Springer	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2	Typical Dam Section:
in the second se	
	d of Dam
	€00
	E 20 N.W.S EI. 17.50 Top of Dom E1, 20.00
	3 (2) (1) (2) (3) (4) LEGEND
	w O Impervious Core
:	Original Ground Surface Stripping 2) Sand and Gravel Filter
1 .	3) Random FIII
	(3) Random FIII  MAXIMUM SECTION OF DAM EMBANKMENT
	Dumped Bouider
	MAXIMUM SECTION OF DAM EMBANKMENT  Scole 1:1000 M
	MAXIMUM SECTION OF DAM EMBANKMENT
	MAXIMUM SECTION OF DAM EMBANKMENT  Scole 1:1000 M  Profile of Dam Axis:
	MAXIMUM SECTION OF DAM EMBANKMENT  Scole 1:1000 M  Profile of Dam Axis:
	MAXIMUM SECTION OF DAM EMBANKMENT  Scole 1:1000 M  Profile of Dam Axis:  C of Spillwoy [W:70 m]
	MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1:1000 M  Profile of Dam Axis:  One of Spillway  (W = 70 m)  One Crest  El. 17.50
	MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1:1000 M  Profile of Dam Axis:  One Crest  One Crest  El. 17.50  Originat Ground Surface
	MAXIMUM SECTION OF DAM EMBANKMENT  Scale 1: 1000 M  Profile of Dam Axis:  Of Spillway  IW = 70 m  Ogue Crest  EI. 17.50  Original Ground Surface Top of Dam EI 20.00f
	Profile of Dam Axis:  Output Boulder
	MAXIMUM SECTION OF DAM EMBANKMENT  Scole 1:1000 M  Profile of Dam Axis:  On Spillway  I.W.= 10, m.)  Oque Crest  EI.17.50  Original Ground Surface  Top of Dam El. 20,000  Cultoff Trench Excavation  O-120 O-100 O-080 O-080 O-040 O-020 01000 01020 01040 0+080 0+100 0+100 01120 01
	Profile of Dam Axis:  Oumped Boulder  Scole 1:1000 M  Profile of Dam Axis:  Of Spillwoy  [W:70 m]  Ogee Crest  El. 17.50  Stripping  Original Ground Surface Top of Dam El 20.00  Cul-off Trench Excovotion
	Profile of Dam Axis:  On the profile of Dam A
	Profile of Dam Axis:  On the profile of Dam A
nths	Profile of Dam Axis:  Output Scale 1: 1000 M  Profile of Dam Axis:  Output Scale 1: 1000 M  Original Ground Surface E1.17.50  Output Scale 1: 1000 M  Stripping  Output Scale 1: 1000 M  PROFILE ON CENTERLINE OF DAM Scale 1: 1000 M
onths	Profile of Dam Axis:  Original Ground Surface El. 17.50  Original Ground Surface Top of Dam El. 20.00  Original Ground Surface Top of Dam El. 20.00  Original Ground Surface Top of Dam El. 20.00  PROFILE ON CENTERLINE OF DAM Scale 1: 1000 M

SWIM PROJ	ECT PROFILE	File No.: 59	ter de medición de secon
Regist. No.:	Name:	37	
Agency No.: NIA-104	RIZAL SWIMP		
Region: Prov		cipality:	
5	MASBATE Des PAGALOGO	SAN FERNANDO	
Present Status: (1)	Pre-F/S(1989) 2. F/S(	( ) 3. D/D( )	
Purpose: Major Incidental	: Irrigation : IF, FC, WM	(Red-Classification and Control of Control o	
Project Feature:	and the second of the second s		
1. Dam	Dam Type	: ZONED EARTHFILL	
	Dam Height	23 m	•
	Effective Storage Capacity	10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10 Table 10	
	Embankment Volume	: 65,200 m3	
	Design Flood Discharge	: 54 m3/sec.	
	Irrigation Area	: 120 ha	
Mini-hydropower :	Installed Capacity Watershed Protection Area	: - kW a: 192 ha	
1. HOROX BILO	Design Supply Capacity	: 102 ttd : - m3/day	
5. Water Supply : 5. Inland Fishery :	Annual Production	: 34 ton/year	
. Intand rishery .	Minual Troduction	· O4 con/your	
, Survey and Invest Detailed survey	and investigation are not	conducted.	
2. Planning			
_	ly shall be conducted.		
•			٠
3. Design	taran arabahan 1		
vetalled design	is not conducted.		•
,			
	•		
4. Operation and Mai Not studied.	ntenance		
nov sounged,	+		
Fund Requirement: (1,	000 Pesos)	Project Evaluation:	
Review	; 0	EIRR : 14.3 %	
?. Feasibility Study	: 371		
3. Detailed Dosign	: 741	Priority Rating:	
4. Construction	<b>:</b>	Group : B	
Dasa	: 11,438	rate and contains	1.
Irrigation	: 2,905	Implementation Schedule:	
Mini-Hydropowe		Review : 7	
Water Supply	: 0	P/S : 1995 D/D : 1995	
Watershed Prot	· ·		nthe
5. Grand Total	: 20,600	Construction: Jul. 1996;9 mor	

Layout:	
and Maria Barana. Maria di Pangalan di Pangalan di Pangalan di Pangalan di Pangalan di Pangalan di Pangalan di Pangalan di Pangalan di Pa	
	- Palline Francisco de la Constitució de La Cons
Typical Dam Section:	
60 Cof Dain	
50 40 50 50 50 50 50 50 50 50 50 5	;
Top of Doin Et. 40.90	;
5 30	ļ
(3) (2 [= (1)=12) (3) (4)	l
	+==h
Original Ground Surface	) Impervious Core
Cut-off Trench	
MAXIMUM SECTION OF DAM EMBANKMENT	
Scale 1: 1000 M	9) Dumped Boulder .
	<del>gg, ng ngunghiga ng mangan ni naga dagta da na</del> ga da na naga da naga da na naga da na
Profile of Dam Axis:	Chieconi co
50 Ogee Crest Et. 37.50	
15 Iop of Dom Et. 40.90	
10	
5 35 Stripping	
Stripping  Roadway  Cut-oif Trench Excay	
25 Coron Henne excev	
0-010 0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 01090 0+	100 0110 01120
0-010 0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 01090 0+	100 01110 01120
PROFILE ON CENTERLINE OF DAM Sodia 1; 500 M	
Note:	lenten feutoe
Dam type and its configuration is reasonably proposed in Pre F/S stage under no investigation. Foundation treatment; width of impervious zone, shape of core tree impervious blanket, would be decided through F/S, D/D stage. Magnitude of design di at least more than 100 years.	nch, necessity of scharge should be

	ECT PROFILE	File No. : 60	
gist.No.: ency No.: NIA-106	Name: BONTOLAN SWIMP		en en en en en en en en en en en en en e
	vince: Munic	ipality:	
gion: Prov	MASBATE	USON	
osent Status: (1	Pre-F/S(1989) 2, F/S(	) 3. D/D( )	**************************************
rpose: Major Incidental	: Irrigation : IF, FC, WM		
oject Feature: Dam	: Dam Type Dam Height	: ZONED EARTHFIL	
	Effective Storage Capacity	: 2,505,000	m m3
	Embankment Volume	: 73,400	m3
	Design Flood Discharge	: 24	m3/sec.
	: Irrigation Area : Installed Capacity	: 100	ha kW
Mini-hydropower : Watershed Man.	: Watershed Protection Area	: 105	kw ha
MILL DOLLOW THE THE	Design Supply Capacity	: -	m3/day
	Annual Production	58	ton/year
pecalited out vo	and investigation are not co	onducted.	
pecalited out voj	and investigation are not co	onducted.	
Planning	and investigation are not co	onducted.	
Planning		onducted.	
Planning Feasibility stud		onducted.	
Planning Feasibility stud	iy shall be conducted.	onducted.	
Planning Feasibility stud	ly shall be conducted.	onducted.	
Planning Feasibility stud  Design Detailed design  Operation and Mai Not studied.  nd Requirement: (1,	is not conducted.  intenance  000 Pesos) : 0	Project Evalua	tion: 16.5 %
Planning Feasibility stud  Design Detailed design  Operation and Mai Not studied.	is not conducted.  intenance  000 Pesos) : 0	Project Evalua	16.5 %

vo. : 60		Layout:
D/D( )	<b></b>	
	_	
3D EARTHFILL 25 m 505,000 m3 73,400 m3 24 m3/sec. 100 ha - kW 105 ha		
- m3/day 58 ton/year		Typical Dam Section:
		SO  SO  SO  SO  SO  SO  SO  SO  SO  SO
		Profile of Dam Axis:
ject Evaluation:		Top of Dam El. 40.00 7  Stripping  Stripping
R: 16.5 %  prity Rating:  prity B		0 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+20 0+220 0+240 0+260  Stollen in Meters  PROFILE ON CENTERLINE OF DAM
lementation Schedule: lew : 1995 : 1995 struction: Jul.1996;9 months		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.