						PRO	POSE	D CR	OPPI	NG PA	ATTE	RN &	IRRI	GATI	ON V	VATE	R REC	QUIRE	EMEN	T CO	MPUT.	ATIO	N											
Name of Project : Talibon SRIS Location : Zamora, Talibon, Bohol																															D).A. = .	2	4.00 sq.ki
Month	Jan			Feb			Mar			Apr			May			Jun			July			Aug			Sep			Oct			Nov			Dec
Decade	1.00 2.0		1.00		3.00	1.00		3.00	1.00		3.00	1.00	2.00	3.00	1.00		3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00	2.00	3.00	1.00		3.00	1.00	2.00	3.00	1.00	2.00 3.0
Detitue																																		
FIRST CROP																																		
FIRST CROP																																		
(Paddy Rice)																																		
																						1	Í											
SECOND CROP																																		
(Paddy Rice)																																		
AREA FACTOR, K																																		
Kls												0.05	0.10	0.10	0.05														0.05	0.10	0.10	0.05		
Klp												0.12	0.400	0.57	0.45	0.17													0.12	0.40	0.57	0.45	0.17	
Kn												0.12	0.400	0.57	0.45	0.17													0.12	0.40	0.57	0.45	0.17	
Kfc	1.00 1.				0.50	0.17								0.17	0.50	0.83	1.00	1.00	1.00	1.00	1.00	1.00	0.83	0.50	0.17						0.17	0.50	0.83	1.00 1.00
Mean Ten-day Rainfall, mm	62.43 46.				23.04	32.61		24.89	13.83	10.88	18.40	16.88	30.10	40.79	36.79	49.30	58.18	56.16	49.67	51.35		46.02	55.85	52.28	49.97	57.45	69.42		_	56.58	60.96	39.08	53.85	53.14 60.60
80% Probabilty Ten-day Rainfall, mm	18.74 8.		9.22		1.65	3.82		0.48	-	- 1	-	0.05	0.45	2.60	3.08	14.26	28.00	18.89	22.92	11.18	6.50	7.52	10.79	16.06	17.06	23.61	34.11	1	15.53	19.73	13.96	13.60	15.30	19.96 14.14
Evaporation, mm/day	4.19 3.34			4.64 3.70			5.10 4.05			6.12 4.75			5.19			5.01 3.92			4.27 3.42			4.45 3.59			4.40 3.55			3.98			4.28 3.35			3.15
* Reference Evapotranspiration (ETo), mm/day	1.20 1.3		1.10				4.05			4.75		1.15	1.15	1.16	1.18	1.19	1.20	1.20	1.20	1.17	1.10	1.10		- 1	3.55			3.15	1.15	1.16	1.18	1.19	1.20	1.20 1.20
Crop Coefficient, kclagged1	1.20 1.				1.00							1.15	1.15	1.15	1.16		1.19	1.20	1.20	1.17	1.17	1.10	1.10						1.15	1.15	1.16	1.19	1.19	1.19 1.19
Crop Coefficient, kclagged2 Crop Coefficient, kclagged3	1.19 1.	_			1.10	1.00							1.15	1.15	1.15	1.16	1.19	1.19	1.20	1.20	1.17	1.17	1.10	1.10						1.15	1.15	1.18	1.19	1.19 1.19
Crop Coefficient, kelagged4	1.19 1.	_			1.17	1.10	1.00							1.13	1.15		1.16	1.19	1.19	1.20	1.20	1.20	1.17	1.10	1.10						1.13	1.15	1.16	1.16 1.16
Weighted Crop Coefficient, kcw	1.19 1.	_			1.09	1.05						1.15	1.15	1.15	1.16	1.17	1.18	1.19	1.20	1.19	1.17	1.14	1.12	1.10	1.10				1.15	1.16	1.16	1.17	1.18	1.18 1.13
Crop Evapotranspiration (ETcrop), mm/day	3.98 4.	_			4.03	4.26						4.69	4.69	4.71	4.56	4.60	4.65	4.08	4.09	4.07	4.19	4.10	4.03	3.91	3.91		-		3.62	3.88	3.91	3.93	3.73	3.73 3.73
Land Soaking (LS), mm												9.88	19.76	21.74	9.79	-	-	-	-	-								8.08		14.99	14.99	7.50	-	
2. Land Preparation (LP), mm												9.27	31.77	49.50	34.94	12.94	-	-	-	-	-								8.63	28.12	39.84	31.63	11.26	
3. Nursery (N), mm												0.82	2.83	4.41	3.11	1.16	-	-	-	-	-								0.76	2.48	3.52	2.80	1.00	
Field Crop Requirement (FC), mm	54.83 55.	01 60.27	58.14	46.91	24.87	9.59	-	-	-	-	-				30.28	50.81	61.47	55.76	55.94	61.29	56.88	55.99	50.68	27.04	9.01	-	-	-	-	-	9.01	27.15	43.61	52.33 57.50
5. Crop Water Requirement (CWR), mm	54.83 55.	01 60.27	58.14	46.91	24.87	9.59	-	-	-	-	-	19.97	54.36	75.65	78.12	64.91	61.47	55.76	55.94	61.29	56.88	55.99	50.68	27.04	9.01	-	-	8.08	17.47	45.60	67.36	69.09	55.87	52.33 57.50
6. Effective Rainfall (RE), mm	18.74 8.	00 13.14	9.22	6.52	-	-	-	-	-	-	-	-		-		14.26	28.00	18.89	22.92	11.18	6.50	7.52	10.79	16.06	17.06	23.61	34.11	21.77	15.53	19.73	13.96	13.60	15.30	19.96 14.14
7. Net Farm Water Requirement (FWR), mm	36.09 47.	01 47.13	48.92	40.39	24.87	9.59	-	-	-	-	-	19.97	54.36	75.65	78.12	50.65	33.47	36.87	33.02	50.11	50.39	48.47	39.89	10.98	-		-	-	1.94	25.87	53.40	55.49	40.57	32.37 43.43
8. Overall Efficiency (Oeff), %	50.00 50.	00 50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00 50.00
9. Diversion Water Requirement (DWR), mm	72.19 94.	01 94.25	97.84	80.77	49.74	19.18	-	-	-	-	-	39.94	108.71	151.31	156.24	101.30	66.93	73.73	66.03	100.22	100.77	96.93	79.77	21.96	-	-	-	-	3.88	51.74	106.80	110.97	81.14	64.74 86.83
Monthly Diversion Requirement, mm	260.4	15		228.35			19.18			0.00			299.96			324.48			239.98			277.48			21.96			3.88			269.51			232.72
10. Crop Area - First Crop, has.																																		
Crop Area - Second Crop, has.																																		
11. Diversion Water Requirement (DWR), MCM	0.73 0.9	95 0.95	0.98	0.81	0.50	0.19	-	-	-	-	-	0.40	1.09	1.52	1.57	1.02	0.67	0.74	0.66	1.01	1.01	0.98	0.80	0.22	-		-	-	0.04	0.52	1.07	1.12	0.82	0.65 0.8
12. Dependable Water Supply (DWS), MCM																																		
13. Irrigation Water Duty, (WD), lit./sec./ha.	0.84 1.	0.99	1.13	0.93	0.64	0.22	-	-	-	-	-	0.46	1.26	1.59	1.81	1.17	0.77	0.85	0.76	1.05	1.17	1.12	0.84	0.25	-	-	-	-	0.04	0.60	1.24	1.28	0.94	0.75 0.9
14. Surplus Water / (Deficit)**	(0.73) (0.	-			(0.50)	(0.19)	-	-	-	-	-	(0.40)	(1.09)		(1.57)	(1.02)	(0.67)	(0.74)	(0.66)	(1.01)	(1.01)	(0.98)	(0.80)	(0.22)	-	-	-	-	(0.04)	(0.52)	(1.07)	(1.12)	(0.82)	(0.65) (0.8
	FIRST	CROP:		006.00	hectai	res							SEC	OND CI	ROP:	1,0	06.00	hectar	es		,	CROPI	PING I	NTENS	SITY:		200.00	%						
Climate Type : Type IV			Evanor	tion Sta	tion ·	Taghi	laran, Bo	hal					Soil	Tvne ·	Sandy	Loam								Runofi	'Utili~a	ition .	90%	Diverci	on)					
Climate Type: Type IV Evaporation Station: Tagbilaran, Bohol Soil Type: Sandy Loam Stagger Days: 30 days PAGASA Station: Percolation Rate: 1.5 mm/day										Runoff Utilization: 90% (Diversion) Effective Rainfall/Dependable Water Supply: 80% Probability of Occurrence (4 out of 5 Years)																								
* Estimated by the Modi	fied Penman	Equation										1010	olunon	aut.	i.J min	uuy				13))	conve Ru		эгрени	uoie m	cr oup	, Vida	30701	. ooubi	, 0, 0	courren	CC (7 0tt	. oj 5 10		
4				10				_	: Land Preparation & Nursery								: Transplanting & Maintenance									: Drainage : Harvest								
Legend:			: Land	l Soaking	g				: Lana	ı rrepar	atton &	wurser	y					: Irans	spiantin	ig & Ma	intenanc	e					: Drai	nage					: Harve	SI