

Table VII.3.5 (1/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

A. Rantau Berangin Irrigation Development Project

(A-1) Case-1 (1st Crop : Feb.16 ; 2nd Crop : Sep. 1)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	4.80		0.95		0.33	9.60	3.22	0.00	0.47	0.47	7.05	0.10
	2	3.41	3.00	9.60				0.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	3.00	8.00			1.00		9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	3.00	3.30					10.10	0.00	6.80	0.00	6.80	95.20	1.43
Mar.	1	3.63	3.00	5.60		1.10	0.67	0.33	9.80	3.99	2.81	0.46	3.27	49.05	0.69
	2	3.87	3.00	5.10		1.10	0.33	0.67	10.00	4.26	1.62	1.45	3.07	49.12	0.65
Apr.	1	3.86	3.00	6.90		1.10	1.08	1.00	9.90	4.17	0.00	0.27	1.37	20.55	0.29
	2	4.16	3.00	2.00		1.10	1.07	1.00	10.20	4.45	0.00	5.45	6.55	98.25	1.38
May	1	3.69	3.00	5.60		1.02	1.02	1.00	9.80	3.76	0.00	1.16	3.36	50.40	0.71
	2	3.77	3.00	5.60		0.98	0.98	1.00	9.90	3.69	0.00	1.09	2.19	35.04	0.46
June	1	3.76	3.00	6.20		0.95	0.95	0.67	9.90	3.57	0.00	0.25	1.35	20.25	0.28
	2	3.79	3.00	5.00		0.95	0.95	0.33	9.90	3.60	0.00	0.53	0.53	7.95	0.11
July	1	3.52	3.00	2.40				0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	3.00	2.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	3.00	2.80					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	3.00	10.00					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	3.00	1.40			1.00		9.60	0.00	8.20	0.00	8.20	123.00	1.73
	2	3.53	3.00	6.00		1.10	0.67	0.33	9.70	3.88	2.48	0.29	2.77	41.55	0.58
Oct.	1	3.60	3.00	1.40		1.08	1.08	1.00	9.70	3.96	2.74	3.73	6.47	97.05	1.36
	2	3.67	3.00	3.20		1.10	1.07	1.00	9.80	3.96	0.00	3.76	4.86	77.76	1.02
Nov.	1	3.62	3.00	6.50		1.10	1.07	1.00	9.80	3.87	0.00	0.37	1.47	22.05	0.31
	2	3.66	3.00	3.50		1.02	1.02	1.00	9.80	3.73	0.00	3.23	5.43	81.45	1.14
Dec.	1	3.32	3.00	10.40		0.98	0.98	1.00	9.50	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	3.00	7.50		0.95	0.95	0.67	9.30	2.89	0.00	0.00	1.10	17.60	0.23

Note
 ETo : Reference crop evapotranspiration (mm/day)
 P : Percolation (mm/day)
 Re : Effective rainfall (mm/day)
 AWLR : Average water layer replacement (mm/day)
 ACC : Average crop coefficients
 LPA : Land preparation area
 CA : Crop area
 LPWR : Irrigation water requirements during land preparation (mm/day)
 ETc : Consumptive use (mm/day)
 NLPR : Net land preparation water requirements (mm/day)
 NFR : Net field water requirements (mm/day)
 Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (2/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(A-2) Case-2 (1st Crop : Jan. 1 ; 2nd Crop : Jul. 16)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	4.80		1.10	0.67	0.33	9.60	0.00	4.80	0.00	4.80	72.00	1.01
	2	3.41	3.00	9.60		1.10	0.67	0.33	9.60	3.75	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	3.00	8.00		1.10	0.33	0.67	9.80	4.02	0.59	0.00	0.59	8.85	0.12
	2	4.08	3.00	3.30	1.10	1.08		1.00	10.10	4.41	0.00	4.11	5.21	72.94	1.10
Mar.	1	3.63	3.00	5.60	1.10	1.07		1.00	9.80	3.88	0.00	1.28	2.38	35.70	0.50
	2	3.87	3.00	5.10	2.20	1.02		1.00	10.00	3.95	0.00	1.85	4.05	64.80	0.85
Apr.	1	3.86	3.00	6.90	1.10	0.98		1.00	9.90	3.78	0.00	0.00	1.10	16.50	0.23
	2	4.16	3.00	2.00	1.10	0.95		0.67	10.20	3.95	0.00	3.32	4.42	66.30	0.93
May	1	3.69	3.00	5.60		0.95		0.33	9.80	3.51	0.00	0.30	0.30	4.50	0.06
	2	3.77	3.00	5.60				0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00
June	1	3.76	3.00	6.20					9.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.79	3.00	5.00					9.90	0.00	0.00	0.00	0.00	0.00	0.00
July	1	3.52	3.00	2.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	3.00	2.40			1.00		9.70	0.00	7.30	0.00	7.30	116.80	1.54
Aug.	1	3.65	3.00	2.80		1.10	0.67	0.33	9.80	4.02	4.68	1.39	6.08	91.20	1.28
	2	3.48	3.00	10.00		1.10	0.33	0.67	9.70	3.83	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	3.00	1.40	1.10	1.08		1.00	9.60	3.74	0.00	5.34	6.44	96.60	1.36
	2	3.53	3.00	6.00	1.10	1.07		1.00	9.70	3.78	0.00	0.78	1.88	28.20	0.40
Oct.	1	3.60	3.00	1.40	2.20	1.02		1.00	9.70	3.67	0.00	5.27	7.47	112.05	1.57
	2	3.67	3.00	3.20	1.10	0.98		1.00	9.80	3.60	0.00	3.40	4.50	72.00	0.95
Nov.	1	3.62	3.00	6.50	1.10	0.95		0.67	9.80	3.44	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	3.50		0.95		0.33	9.80	3.48	0.00	0.98	0.98	14.70	0.21
Dec.	1	3.32	3.00	10.40				0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.04	3.00	7.50					9.30	0.00	0.00	0.00	0.00	0.00	0.00

Note ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (3/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(A-3) Case-3 (1st Crop : Jan. 16 ; 2nd Crop : Aug. 1)

Month/Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC (mm/day)	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan. 1	3.39	3.00	4.80					9.60	0.00	0.00	0.00	0.00	0.00	0.00
Jan. 2	3.41	3.00	9.60		1.00			9.60	0.00	0.00	0.00	0.00	0.00	0.00
Feb. 1	3.65	3.00	8.00		1.10	0.67	0.33	9.80	4.02	1.21	0.00	1.21	18.15	0.25
Feb. 2	4.08	3.00	3.30		1.10	0.33	0.67	10.10	4.49	2.24	2.81	5.05	70.70	1.06
Mar. 1	3.63	3.00	5.60	1.10	1.08		1.00	9.80	3.92	0.00	1.32	2.42	36.30	0.51
Mar. 2	3.87	3.00	5.10	1.10	1.07		1.00	10.00	4.14	0.00	2.04	3.14	50.24	0.66
Apr. 1	3.86	3.00	6.90	2.20	1.02		1.00	9.90	3.94	0.00	0.04	2.24	33.60	0.47
Apr. 2	4.16	3.00	2.00	1.10	0.98		1.00	10.20	4.08	0.00	5.08	6.18	92.70	1.30
May 1	3.69	3.00	5.60	1.10	0.95		0.67	9.80	3.51	0.00	0.61	1.71	25.65	0.36
May 2	3.77	3.00	5.60		0.95		0.33	9.90	3.58	0.00	0.32	0.32	5.12	0.07
June 1	3.76	3.00	6.20				0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00
June 2	3.79	3.00	5.00					9.90	0.00	0.00	0.00	0.00	0.00	0.00
July 1	3.52	3.00	2.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
July 2	3.58	3.00	2.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug. 1	3.65	3.00	2.80			1.00		9.80	0.00	7.00	0.00	7.00	105.00	1.47
Aug. 2	3.48	3.00	10.00		1.10	0.67	0.33	9.70	3.83	0.00	0.00	0.00	0.00	0.00
Sep. 1	3.46	3.00	1.40		1.10	0.33	0.67	9.60	3.81	2.71	3.62	6.33	94.95	1.33
Sep. 2	3.53	3.00	6.00	1.10	1.08		1.00	9.70	3.81	0.00	0.81	1.91	28.65	0.40
Oct. 1	3.60	3.00	1.40	1.10	1.07		1.00	9.70	3.85	0.00	5.45	6.55	98.25	1.38
Oct. 2	3.67	3.00	3.20	2.20	1.02		1.00	9.80	3.74	0.00	3.54	5.74	91.84	1.21
Nov. 1	3.62	3.00	6.50	1.10	0.98		1.00	9.80	3.55	0.00	0.05	1.15	17.25	0.24
Nov. 2	3.66	3.00	3.50	1.10	0.95		0.67	9.80	3.48	0.00	2.00	3.10	46.50	0.65
Dec. 1	3.32	3.00	10.40		0.95		0.33	9.50	3.15	0.00	0.00	0.00	0.00	0.00
Dec. 2	3.04	3.00	7.50				0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00

Note ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
 P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
 Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
 AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
 ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
 LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (4/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(A-4) Case-4 (1st Crop : Feb. 1 ; 2nd Crop : Aug.16)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	4.80				0.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.41	3.00	9.60					9.60	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	3.00	8.00		1.00			9.80	0.00	1.80	0.00	1.80	27.00	0.38
	2	4.08	3.00	3.30		1.10	0.67	0.33	10.10	4.49	4.56	1.38	5.94	83.16	1.25
Mar.	1	3.63	3.00	5.60		1.10	0.33	0.67	9.80	3.99	1.39	0.93	2.32	34.80	0.49
	2	3.87	3.00	5.10	1.10	1.08		1.00	10.00	4.18	0.00	2.08	3.18	50.88	0.67
Apr.	1	3.86	3.00	6.90	1.10	1.07		1.00	9.90	4.13	0.00	0.23	1.33	19.95	0.28
	2	4.16	3.00	2.00	2.20	1.02		1.00	10.20	4.24	0.00	5.24	7.44	111.60	1.57
May	1	3.69	3.00	5.60	1.10	0.98		1.00	9.80	3.62	0.00	1.02	2.12	31.80	0.45
	2	3.77	3.00	5.60	1.10	0.95		0.67	9.90	3.58	0.00	0.66	1.76	28.16	0.37
June	1	3.76	3.00	6.20		0.95		0.33	9.90	3.57	0.00	0.12	0.12	1.80	0.03
	2	3.79	3.00	5.00				0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00
July	1	3.52	3.00	2.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.58	3.00	2.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	3.00	2.80					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	3.00	10.00			1.00		9.70	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	3.00	1.40		1.10	0.67	0.33	9.60	0.00	8.20	0.00	8.20	123.00	1.73
	2	3.53	3.00	6.00		1.10	0.33	0.67	9.70	3.88	2.48	0.29	2.77	41.55	0.58
Oct.	1	3.60	3.00	1.40	1.10	1.08		1.00	9.70	3.96	2.74	3.73	6.47	97.05	1.36
	2	3.67	3.00	3.20	1.10	1.07		1.00	9.80	3.96	0.00	3.76	4.86	77.76	1.02
Nov.	1	3.62	3.00	6.50	2.20	1.02		1.00	9.80	3.87	0.00	0.37	1.47	22.05	0.31
	2	3.68	3.00	3.50	1.10	0.98		1.00	9.80	3.73	0.00	3.23	5.43	81.45	1.14
Dec.	1	3.32	3.00	10.40	1.10	0.95		0.67	9.50	3.25	0.00	0.00	1.10	16.50	0.23
	2	3.04	3.00	7.50		0.95		0.33	9.30	2.89	0.00	0.00	1.10	17.60	0.23

Note ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (5/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(A-5) Case-5 (1st Crop : Mar. 1 ; 2nd Crop : Sep.16)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	4.80	1.10	0.95		0.67	9.60	3.22	0.00	0.95	2.05	30.75	0.43
	2	3.41	3.00	9.60		0.95		0.33	9.60	3.24	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.65	3.00	8.00				0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	3.00	3.30					10.10	0.00	0.00	0.00	0.00	0.00	0.00
Mar.	1	3.63	3.00	5.60		1.00	1.00	0.33	9.80	0.00	4.20	0.00	4.20	63.00	0.88
	2	3.87	3.00	5.10		1.10	0.67	0.67	10.00	4.26	3.28	0.71	3.99	63.84	0.84
Apr.	1	3.86	3.00	6.90		1.10	0.33	0.67	9.90	4.25	0.99	0.23	1.22	18.30	0.26
	2	4.16	3.00	2.00		1.08	1.00	1.00	10.20	4.49	0.00	5.49	6.59	98.85	1.39
May	1	3.69	3.00	5.60		1.10	1.07	1.00	9.80	3.95	0.00	1.35	2.45	36.75	0.52
	2	3.77	3.00	5.60		2.20	1.02	1.00	9.90	3.85	0.00	1.25	3.45	55.20	0.73
June	1	3.76	3.00	6.20		1.10	0.98	1.00	9.90	3.68	0.00	0.48	1.58	23.70	0.33
	2	3.79	3.00	5.00		1.10	0.95	0.67	9.90	3.60	0.00	1.07	2.17	32.55	0.46
July	1	3.52	3.00	2.40		0.95		0.33	9.70	3.34	0.00	1.30	1.30	19.50	0.27
	2	3.58	3.00	2.40				0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.65	3.00	2.80					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	3.00	10.00					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	3.00	1.40					9.60	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.53	3.00	6.00			1.00		9.70	0.00	3.70	0.00	3.70	55.50	0.78
Oct.	1	3.60	3.00	1.40		1.10	0.67	0.33	9.70	3.96	5.56	1.83	7.39	110.85	1.56
	2	3.67	3.00	3.20		1.10	0.33	0.67	9.80	4.04	2.18	2.57	4.75	76.00	1.00
Nov.	1	3.62	3.00	6.50		1.10	1.08	1.00	9.80	3.91	0.00	0.41	1.51	22.65	0.32
	2	3.66	3.00	3.50		1.10	1.07	1.00	9.80	3.92	0.00	3.42	4.52	67.80	0.95
Dec.	1	3.32	3.00	10.40		2.20	1.02	1.00	9.50	3.39	0.00	0.00	2.20	33.00	0.46
	2	3.04	3.00	7.50		1.10	0.98	1.00	9.30	2.98	0.00	0.00	1.10	17.60	0.23

Note ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (6/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(A-6) Case-6 (1st Crop : Mar.16 ; 2nd Crop : Oct. 1)

Month Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan. 1	3.39	3.00	4.80	1.10	0.98		1.00	9.60	3.32	0.00	1.52	2.62	39.30	0.55
Jan. 2	3.41	3.00	9.60	1.10	0.95		0.67	9.60	3.24	0.00	0.00	1.10	17.60	0.23
Feb. 1	3.65	3.00	8.00		0.95		0.33	9.80	3.47	0.00	0.00	0.00	0.00	0.00
Feb. 2	4.08	3.00	3.30				0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00
Mar. 1	3.63	3.00	5.60			1.00		9.80	0.00	0.00	0.00	0.00	0.00	0.00
Mar. 2	3.87	3.00	5.10					10.00	0.00	4.90	0.00	4.90	78.40	1.03
Apr. 1	3.88	3.00	6.90		1.10	0.67	0.33	9.90	4.25	2.01	0.12	2.13	31.95	0.45
Apr. 2	4.16	3.00	2.00		1.10	0.33	0.67	10.20	4.58	2.71	3.74	6.45	96.75	1.36
May 1	3.69	3.00	5.60	1.10	1.08		1.00	9.80	3.99	0.00	1.39	2.49	37.35	0.52
May 2	3.77	3.00	5.60	1.10	1.07		1.00	9.90	4.03	0.00	1.43	2.53	40.48	0.53
June 1	3.76	3.00	6.20	2.20	1.02		1.00	9.90	3.84	0.00	0.64	2.84	42.60	0.60
June 2	3.79	3.00	5.00	1.10	0.98		1.00	9.90	3.71	0.00	1.71	2.81	42.15	0.59
July 1	3.52	3.00	2.40	1.10	0.95		0.67	9.70	3.34	0.00	2.64	3.74	56.10	0.79
July 2	3.58	3.00	2.40		0.95		0.33	9.70	3.40	0.00	1.32	1.32	21.12	0.28
Aug. 1	3.65	3.00	2.80				0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00
Aug. 2	3.48	3.00	10.00					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Sep. 1	3.46	3.00	1.40					9.60	0.00	0.00	0.00	0.00	0.00	0.00
Sep. 2	3.53	3.00	6.00					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Oct. 1	3.60	3.00	1.40			1.00		9.70	0.00	8.30	0.00	8.30	124.50	1.75
Oct. 2	3.67	3.00	3.20		1.10	0.67	0.33	9.80	4.04	4.42	1.27	5.69	91.04	1.20
Nov. 1	3.62	3.00	6.50		1.10	0.33	0.67	9.80	3.98	1.09	0.32	1.41	21.15	0.30
Nov. 2	3.68	3.00	3.50	1.10	1.08		1.00	9.80	3.95	0.00	3.45	4.55	68.25	0.96
Dec. 1	3.32	3.00	10.40	1.10	1.07		1.00	9.50	3.55	0.00	0.00	1.10	16.50	0.23
Dec. 2	3.04	3.00	7.50	2.20	1.02		1.00	9.30	3.10	0.00	0.00	2.20	35.20	0.46

Note : ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
 P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
 Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
 AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
 ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
 LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (7/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	4.80	2.20	1.02	1.00	9.60	3.46	0.00	1.66	3.86	57.90	0.81
	2	3.41	3.00	9.60	1.10	0.98	1.00	9.60	3.34	0.00	0.00	1.10	17.60	0.23
Feb.	1	3.65	3.00	8.00	1.10	0.95	0.67	9.80	3.47	0.00	0.00	1.10	16.50	0.23
	2	4.08	3.00	3.30	0.95	0.95	0.33	10.10	3.88	0.00	1.18	1.18	16.52	0.25
Mar.	1	3.63	3.00	5.60			0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	3.00	5.10			1.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.86	3.00	6.90			0.33	9.90	0.00	3.00	0.00	3.00	45.00	0.63
	2	4.16	3.00	2.00	1.10	0.67	0.67	10.20	4.58	5.49	1.84	7.33	109.95	1.54
May	1	3.69	3.00	5.60	1.10	1.08	1.00	9.80	4.06	1.39	0.98	2.37	35.55	0.50
	2	3.77	3.00	5.60	1.10	1.07	1.00	9.90	4.02	0.00	0.82	1.92	28.80	0.40
June	1	3.76	3.00	6.20	2.20	1.02	1.00	9.90	3.87	0.00	1.87	4.07	61.05	0.86
	2	3.79	3.00	5.00	1.10	0.98	1.00	9.70	3.45	0.00	4.05	5.15	77.25	1.08
July	1	3.52	3.00	2.40	1.10	0.95	0.67	9.70	3.40	0.00	2.68	3.78	60.48	0.80
	2	3.58	3.00	2.40	1.10	0.95	0.33	9.80	3.47	0.00	1.21	1.21	18.15	0.25
Aug.	1	3.65	3.00	2.80	10.00	0.95	0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.48	3.00	1.40				9.60	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	3.00	6.00				9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.53	3.00	1.40				9.70	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.60	3.00	3.20			1.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.67	3.00	3.20	1.10	0.67	0.33	9.80	0.00	6.60	0.16	6.60	105.60	1.39
Nov.	1	3.62	3.00	6.50	1.10	0.67	0.67	9.80	3.98	2.21	0.16	2.37	35.55	0.50
	2	3.66	3.00	3.50	1.10	0.33	0.67	9.80	4.03	2.08	2.37	4.45	66.75	0.94
Dec.	1	3.32	3.00	10.40	1.10	1.08	1.00	9.50	3.59	0.00	0.00	1.10	16.50	0.23
	2	3.04	3.00	7.50	1.10	1.07	1.00	9.30	3.25	0.00	0.00	1.10	17.60	0.23

Note : ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
 P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
 Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
 AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
 ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
 LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (8/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(A-8) Case-8 (1st Crop : Apr.16, 2nd Crop : Nov. 1)

Month	Period	ET _o (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	4.80	1.10	1.07		1.00	9.60	3.63	0.00	1.83	2.93	43.95	0.62
	2	3.41	3.00	9.60	2.20	1.02		1.00	9.60	3.48	0.00	0.00	2.20	35.20	0.46
Feb.	1	3.65	3.00	8.00	1.10	0.98		1.00	9.80	3.58	0.00	0.00	1.10	16.50	0.23
	2	4.08	3.00	3.30	1.10	0.95		0.67	10.10	3.88	0.00	2.40	3.50	49.00	0.74
Mar.	1	3.63	3.00	5.60		0.95		0.33	9.80	3.45	0.00	0.28	0.28	4.20	0.06
	2	3.87	3.00	5.10				0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.86	3.00	6.90					9.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.16	3.00	2.00			1.00		10.20	0.00	8.20	0.00	8.20	123.00	1.73
May	1	3.69	3.00	5.60		1.10	0.67	0.33	9.80	4.06	2.81	0.48	3.29	49.35	0.69
	2	3.77	3.00	5.60		1.10	0.33	0.67	9.90	4.15	1.42	1.04	2.46	39.36	0.52
June	1	3.76	3.00	6.20	1.10	1.08		1.00	9.90	4.06	0.00	0.86	1.96	29.40	0.41
	2	3.79	3.00	5.00	1.10	1.07		1.00	9.90	4.06	0.00	2.06	3.16	47.40	0.66
July	1	3.52	3.00	2.40	2.20	1.02		1.00	9.70	3.59	0.00	4.19	6.39	95.85	1.34
	2	3.58	3.00	2.40	1.10	0.98		1.00	9.70	3.51	0.00	4.11	5.21	83.36	1.10
Aug.	1	3.65	3.00	2.80	1.10	0.95		0.67	9.80	3.47	0.00	2.46	3.56	53.40	0.75
	2	3.48	3.00	10.00		0.95		0.33	9.70	3.31	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.46	3.00	1.40				0.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.53	3.00	6.00					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.60	3.00	1.40					9.70	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.67	3.00	3.20					9.80	0.00	0.00	0.00	0.00	0.00	0.00
Nov.	1	3.62	3.00	6.50			1.00		9.80	3.98	3.30	0.00	3.30	49.50	0.69
	2	3.66	3.00	3.50		1.10	0.67	0.33	9.80	4.03	4.22	1.16	5.38	80.70	1.13
Dec.	1	3.32	3.00	10.40		1.10	0.33	0.67	9.50	3.59	0.00	0.00	0.00	0.00	0.00
	2	3.04	3.00	7.50	1.10	1.08		1.00	9.30	0.00	0.00	0.00	1.10	17.60	0.23

Note
 ETo : Reference crop evapotranspiration (mm/day)
 P : Percolation (mm/day)
 Re : Effective rainfall (mm/day)
 AWLR : Average water layer replacement (mm/day)
 ACC : Average crop coefficients
 LPA : Land preparation area
 CA : Crop area
 LPWR : Irrigation water requirements during land preparation (mm/day)
 ETc : Consumptive use (mm/day)
 NLPR : Net land preparation water requirements (mm/day)
 NFR : Net field water requirements (mm/day)
 Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (9/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

B. Lubuk Jambi Irrigation Development Project

(B-1) Case-1 (1st Crop : Feb.16 ; 2nd Crop : Sep.1)

Month	Period	E _{to} (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	E _{tc} (mm/day)	NLPR (mm/day)	(E _{tc} +P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	8.70		0.95		0.33	9.60	3.22	0.00	0.00	0.00	0.00	0.00
	2	3.34	3.00	5.30				0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	3.00	3.50			1.00		10.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	3.00	0.80					10.10	0.00	9.30	0.00	9.30	120.90	1.96
Mar.	1	3.81	3.00	9.80		1.10	0.67	0.33	9.90	4.19	0.07	0.00	0.07	1.05	0.01
	2	4.08	3.00	5.80		1.10	0.33	0.67	10.10	4.49	1.42	1.13	2.55	40.80	0.54
Apr.	1	3.96	3.00	5.50		1.08		1.00	10.00	4.28	0.00	1.78	2.88	43.20	0.61
	2	4.07	3.00	14.90		1.07		1.00	10.10	4.35	0.00	0.00	1.10	16.50	0.23
May	1	3.81	3.00	8.50		1.02		1.00	9.90	3.89	0.00	0.00	2.20	33.00	0.46
	2	3.66	3.00	0.90		0.98		1.00	9.80	3.59	0.00	5.69	6.79	108.64	1.43
June	1	3.15	3.00	2.70		0.95		0.67	9.40	2.99	0.00	2.20	3.30	49.50	0.69
	2	3.09	3.00	1.20		0.95		0.33	9.40	2.94	0.00	1.56	1.56	23.40	0.33
July	1	3.27	3.00	3.50				0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	3.00	3.20					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	3.00	0.00					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	3.00	0.70					9.90	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	3.00	3.30			1.00		9.80	0.00	6.50	0.00	6.50	97.50	1.37
	2	3.70	3.00	9.50		1.10	0.67	0.33	9.80	4.07	0.20	0.00	0.20	3.00	0.04
Oct.	1	3.88	3.00	8.40		1.10	0.33	0.67	10.00	4.27	0.53	0.00	0.53	7.95	0.11
	2	3.87	3.00	9.90		1.08		1.00	10.00	4.18	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.95	3.00	4.40		1.07		1.00	10.00	4.23	0.00	2.83	3.93	58.95	0.83
	2	4.01	3.00	12.60		1.02		1.00	10.10	4.09	0.00	0.00	2.20	33.00	0.46
Dec.	1	3.71	3.00	12.40		0.98		1.00	9.80	3.64	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	5.20		0.95		0.67	9.80	3.48	0.00	0.86	1.96	31.36	0.41

Note E_{to} : Reference crop evapotranspiration (mm/day) CA : Crop area

P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)

Re : Effective rainfall (mm/day) E_{tc} : Consumptive use (mm/day)

AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)

ACC : Average crop coefficients NFR : Net field water requirements (mm/day)

LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (10/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(B-2) Case-2 (1st Crop : Jan. 1, 2nd Crop : Jul. 16)

Month	Period	Eto (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC/LPA	CA	LPWR (mm/day)	Etc (mm/day)	NLPR (mm/day)	(Etc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	8.70		1.00		9.60	0.00	0.90	0.00	0.90	13.50	0.19
	2	3.34	3.00	5.30		0.67	0.33	9.50	3.67	2.81	0.45	3.26	52.16	0.69
Feb.	1	3.92	3.00	3.50		0.33	0.67	10.00	4.31	2.15	2.55	4.70	70.50	0.99
	2	4.10	3.00	0.80	1.10	1.08	1.00	10.10	4.43	0.00	6.63	7.73	100.49	1.63
Mar.	1	3.81	3.00	9.80		1.07	1.00	9.90	4.08	0.00	0.00	1.10	16.50	0.23
	2	4.08	3.00	5.80	2.20	1.02	1.00	10.10	4.16	0.00	1.36	3.56	56.96	0.75
Apr.	1	3.96	3.00	5.50		0.98	1.00	10.00	3.88	0.00	1.38	2.48	37.20	0.52
	2	4.07	3.00	14.90		0.95	0.67	10.10	3.87	0.00	0.00	1.10	16.50	0.23
May	1	3.81	3.00	8.50		0.95	0.33	9.90	3.62	0.00	0.00	0.00	0.00	0.00
	2	3.68	3.00	0.90			0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00
June	1	3.15	3.00	2.70				9.40	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.09	3.00	1.20				9.40	0.00	0.00	0.00	0.00	0.00	0.00
July	1	3.27	3.00	3.50				9.50	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	3.00	3.20		1.00		9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	3.00	0.00		1.10	0.33	9.80	4.11	6.57	2.35	6.50	104.00	1.37
	2	3.82	3.00	0.70		1.10	0.67	9.90	4.20	3.04	4.36	7.40	133.80	1.88
Sep.	1	3.68	3.00	3.30		1.08	1.00	9.80	3.97	0.00	3.67	4.77	71.55	1.00
	2	3.70	3.00	9.50		1.07	1.00	9.80	3.96	0.00	0.00	1.10	16.50	0.23
Oct.	1	3.88	3.00	8.40		1.02	1.00	10.00	3.96	0.00	0.00	2.20	33.00	0.46
	2	3.87	3.00	9.90		0.98	1.00	10.00	3.79	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.95	3.00	4.40		0.95	0.67	10.00	3.75	0.00	1.57	2.67	40.05	0.56
	2	4.01	3.00	12.60		0.95	0.33	10.10	3.81	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	3.00	12.40			0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.66	3.00	5.20				9.80	0.00	0.00	0.00	0.00	0.00	0.00

Note Eto : Reference crop evapotranspiration (mm/day) CA : Crop area
P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
Re : Effective rainfall (mm/day) Etc : Consumptive use (mm/day)
AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (11/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(B-3) Case-3 (1st Crop : Jan. 16 ; 2nd Crop : Aug. 1)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC (mm/day)	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sect/ha)
Jan.	1	3.39	3.00	8.70					9.60	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	3.00	5.30		1.00			9.50	0.00	4.20	0.00	4.20	67.20	0.88
Feb.	1	3.92	3.00	3.50		1.10	0.67	0.33	10.00	4.31	4.36	1.26	5.62	84.30	1.18
	2	4.10	3.00	0.80		1.10	0.33	0.67	10.10	4.51	3.07	4.50	7.57	98.41	1.59
Mar.	1	3.81	3.00	9.80	1.10	1.08		1.00	9.90	4.11	0.00	0.00	1.10	16.50	0.23
	2	4.08	3.00	5.80	1.10	1.07		1.00	10.10	4.37	0.00	1.57	2.67	42.72	0.56
Apr.	1	3.96	3.00	5.50	2.20	1.02		1.00	10.00	4.04	0.00	1.54	3.74	56.10	0.79
	2	4.07	3.00	14.90	1.10	0.98		1.00	10.10	3.99	0.00	0.00	1.10	16.50	0.23
May	1	3.81	3.00	8.50	1.10	0.95		0.67	9.90	3.62	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	0.90		0.95		0.33	9.80	3.48	0.00	1.94	1.84	28.44	0.39
June	1	3.15	3.00	2.70				0.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.09	3.00	1.20					9.40	0.00	0.00	0.00	0.00	0.00	0.00
July	1	3.27	3.00	3.50					9.50	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	3.00	3.20					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	3.00	0.00			1.00		9.80	0.00	9.80	0.00	9.80	147.00	2.06
	2	3.82	3.00	0.70		1.10	0.67	0.33	9.90	4.20	6.16	2.15	8.31	132.96	1.75
Sep.	1	3.68	3.00	3.30		1.10	0.33	0.67	9.80	4.05	2.15	2.51	4.66	69.90	0.98
	2	3.70	3.00	9.50	1.10	1.08		1.00	9.80	4.00	0.00	0.00	1.10	16.50	0.23
Oct.	1	3.88	3.00	8.40	1.10	1.07		1.00	10.00	4.15	0.00	0.00	1.10	16.50	0.23
	2	3.87	3.00	9.90	2.20	1.02		1.00	10.00	3.95	0.00	0.00	2.20	35.20	0.46
Nov.	1	3.95	3.00	4.40	1.10	0.98		1.00	10.00	3.87	0.00	2.47	3.57	53.55	0.75
	2	4.01	3.00	12.60	1.10	0.95		0.67	10.10	3.81	0.00	0.00	1.10	16.50	0.23
Dec.	1	3.71	3.00	12.40		0.95		0.33	9.80	3.52	0.00	0.00	0.00	0.00	0.00
	2	3.66	3.00	5.20		0.95		0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00

Note

ETo : Reference crop evapotranspiration (mm/day) CA : Crop area

P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)

Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)

AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)

ACC : Average crop coefficients NFR : Net field water requirements (mm/day)

LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sect/ha)

Table VII.3.5 (12/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(B-4) Case-4 (1st Crop : Feb. 1 ; 2nd Crop : Aug.16)

Month	Period	Eto (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	8.70				0.00	9.60	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.34	3.00	5.30					9.50	0.00	0.00	0.00	0.00	0.00	0.00
Feb.	1	3.92	3.00	3.50			1.00	0.67	10.00	0.00	6.50	0.00	6.50	97.50	1.37
	2	4.10	3.00	0.80			1.10	0.67	10.10	4.51	6.23	2.21	8.44	109.72	1.78
Mar.	1	3.81	3.00	8.80			1.10	1.08	9.90	4.19	0.03	0.00	0.03	0.45	0.01
	2	4.08	3.00	5.80			1.00	1.07	10.10	4.41	0.00	1.61	2.71	43.36	0.57
Apr.	1	3.96	3.00	5.50			1.10	1.07	10.00	4.24	0.00	1.74	2.84	42.60	0.60
	2	4.07	3.00	14.90			1.00	1.02	10.10	4.15	0.00	0.00	2.20	33.00	0.46
May	1	3.81	3.00	8.50			1.10	0.98	9.90	3.73	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	0.90			1.10	0.95	9.80	3.48	0.00	3.74	4.84	77.44	1.02
June	1	3.15	3.00	2.70			0.95	0.95	9.40	2.99	0.00	1.09	1.09	16.35	0.23
	2	3.09	3.00	1.20			0.00	0.00	9.40	0.00	0.00	0.00	0.00	0.00	0.00
July	1	3.27	3.00	3.50					9.50	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.52	3.00	3.20					9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	3.00	0.00					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	3.00	0.70			1.00	0.67	9.90	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	3.00	3.30			1.10	0.67	9.80	4.05	4.36	1.24	5.60	84.00	1.18
	2	3.70	3.00	9.50			1.10	0.33	9.80	4.07	0.10	0.00	0.10	1.50	0.02
Oct.	1	3.88	3.00	8.40			1.10	1.08	10.00	4.19	0.00	0.00	1.10	16.50	0.23
	2	3.87	3.00	9.90			1.10	1.07	10.00	4.14	0.00	0.00	1.10	17.60	0.23
Nov.	1	3.95	3.00	4.40			2.20	1.02	10.00	4.03	0.00	2.63	4.83	72.45	1.02
	2	4.01	3.00	12.60			1.10	0.98	10.10	3.93	0.00	0.00	1.10	16.50	0.23
Dec.	1	3.71	3.00	12.40			1.10	0.95	9.80	3.52	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	5.20			0.95	0.95	9.80	3.48	0.00	0.42	0.42	6.72	0.09

Note

Eto : Reference crop evapotranspiration (mm/day)

P : Percolation (mm/day)

Re : Effective rainfall (mm/day)

AWLR : Average water layer replacement (mm/day)

ACC : Average crop coefficients

LPA : Land preparation area

CA : Crop area

LPWR : Irrigation water requirements during land preparation (mm/day)

ETc : Consumptive use (mm/day)

NLPR : Net land preparation water requirements (mm/day)

NFR : Net field water requirements (mm/day)

Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (13/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(B-5) Case-5 (1st Crop : Mar. 1; 2nd Crop : Sep. 16)

Month	Period	E _{to} (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC (mm/day)	LPA	CA	LPWR (mm/day)	E _{tc} (mm/day)	NLPR (mm/day)	(E _{tc} +P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	8.70	1.10	0.95		0.67	9.60	3.22	0.00	0.00	1.10	16.50	0.23
	2	3.34	3.00	5.30		0.95		0.33	9.50	3.17	0.00	0.29	0.29	4.64	0.06
Feb.	1	3.82	3.00	3.50				0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.10	3.00	0.80				0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00
Mar.	1	3.81	3.00	9.80		1.00	1.00	0.67	9.90	0.00	0.10	0.00	0.10	1.50	0.02
	2	4.08	3.00	5.80		1.10	0.67	0.33	10.10	4.49	2.88	0.56	3.44	55.04	0.72
Apr.	1	3.96	3.00	5.50	1.10	1.08	0.33	0.67	10.00	4.36	1.49	1.25	2.74	41.10	0.58
	2	4.07	3.00	14.90	1.10	1.07	1.00	1.00	10.10	4.40	0.00	0.00	1.10	16.50	0.23
May	1	3.81	3.00	8.50	1.10	1.07		1.00	9.90	4.08	0.00	0.00	1.10	16.50	0.23
	2	3.68	3.00	0.90	2.20	1.02		1.00	9.80	3.73	0.00	5.83	8.03	128.48	1.69
June	1	3.15	3.00	2.70	1.10	0.98		1.00	9.40	3.08	0.00	3.39	4.49	67.35	0.94
	2	3.09	3.00	1.20	1.10	0.95		0.67	9.40	2.94	0.00	3.18	4.28	64.20	0.90
July	1	3.27	3.00	3.50		0.95		0.33	9.50	3.11	0.00	0.86	0.86	12.90	0.18
	2	3.52	3.00	3.20		0.95		0.00	9.70	0.00	0.00	0.00	0.00	0.00	0.00
Aug.	1	3.74	3.00	0.00					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	3.00	0.70					9.90	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	3.00	3.30					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	3.00	9.50			1.00		9.80	0.00	0.30	0.00	0.30	4.50	0.06
Oct.	1	3.88	3.00	8.40		1.10	0.67	0.33	10.00	4.27	1.07	0.00	1.07	16.05	0.23
	2	3.87	3.00	9.90		1.10	0.33	0.67	10.00	4.26	0.03	0.00	0.03	0.48	0.01
Nov.	1	3.95	3.00	4.40	1.10	1.08		1.00	10.00	4.27	0.00	2.87	3.97	59.55	0.84
	2	4.01	3.00	12.60	1.10	1.07		1.00	10.10	4.29	0.00	0.00	1.10	16.50	0.23
Dec.	1	3.71	3.00	12.40	2.20	1.02		1.00	9.80	3.78	0.00	0.00	2.20	33.00	0.46
	2	3.66	3.00	5.20	1.10	0.98		1.00	9.80	3.59	0.00	1.39	2.49	39.84	0.52

Note : E_{to} : Reference crop evapotranspiration (mm/day) CA : Crop area
 P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
 Re : Effective rainfall (mm/day) E_{tc} : Consumptive use (mm/day)
 AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
 ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
 LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (14/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(B-6) Case-6 (1st Crop : Mar.16 ; 2nd Crop : Oct. 1)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	ETc (mm/day)	NLPR (mm/day)	(ETc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	8.70	1.10	0.98		1.00	9.60	3.32	0.00	0.00	1.10	16.50	0.23
	2	3.34	3.00	5.30	1.10	0.95		0.67	9.50	3.17	0.00	0.58	1.68	26.88	0.35
Feb.	1	3.92	3.00	3.50		0.95		0.33	10.00	3.72	0.00	1.06	1.06	15.90	0.22
	2	4.10	3.00	0.80			0.00	0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00
Mar.	1	3.81	3.00	9.80					9.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	3.00	5.80			1.00		10.10	0.00	4.30	0.00	4.30	68.80	0.90
Apr.	1	3.96	3.00	5.50		1.10	0.67	0.33	10.00	4.36	3.02	0.61	3.63	54.45	0.76
	2	4.07	3.00	14.90		1.10	0.33	0.67	10.10	4.48	0.00	0.00	0.00	0.00	0.00
May	1	3.81	3.00	8.50	1.10	1.08		1.00	9.90	4.11	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	0.90	1.10	1.07		1.00	9.80	3.92	0.00	6.02	7.12	113.92	1.50
June	1	3.15	3.00	2.70	2.20	1.02		1.00	9.40	3.21	0.00	3.51	5.71	85.65	1.20
	2	3.09	3.00	1.20	1.10	0.98		1.00	9.40	3.03	0.00	4.83	5.93	88.95	1.25
July	1	3.27	3.00	3.50	1.10	0.95		0.67	9.50	3.11	0.00	1.75	2.85	42.75	0.60
	2	3.52	3.00	3.20		0.95		0.33	9.70	3.34	0.00	1.04	1.04	16.64	0.22
Aug.	1	3.74	3.00	0.00				0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.82	3.00	0.70					9.90	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	3.00	3.30					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	3.00	9.50					9.80	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	3.00	8.40			1.00		10.00	0.00	1.60	0.00	1.60	24.00	0.34
	2	3.87	3.00	9.90		1.10	0.67	0.33	10.00	4.26	0.07	0.00	0.07	1.12	0.01
Nov.	1	3.95	3.00	4.40		1.10	0.33	0.67	10.00	4.35	1.85	1.98	3.83	57.45	0.81
	2	4.01	3.00	12.60	1.10	1.08		1.00	10.10	4.33	0.00	0.00	1.10	16.50	0.23
Dec.	1	3.71	3.00	12.40	1.10	1.07		1.00	9.80	3.97	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	5.20	2.20	1.02		1.00	9.80	3.73	0.00	1.53	3.73	59.68	0.78

Note ETo : Reference crop evapotranspiration (mm/day) CA : Crop area
P : Percolation (mm/day) LPWR : Irrigation water requirements during land preparation (mm/day)
Re : Effective rainfall (mm/day) ETc : Consumptive use (mm/day)
AWLR : Average water layer replacement (mm/day) NLPR : Net land preparation water requirements (mm/day)
ACC : Average crop coefficients NFR : Net field water requirements (mm/day)
LPA : Land preparation area Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.5 (15/15) CASE STUDY ON UNIT WATER DIVERSION REQUIREMENT STAGGERING STARTING DATE OF LAND PREPARATION IN 15 DAYS

(B-7) Case-7 (1st Crop : Apr. 1 ; 2nd Crop : Oct. 16)

Month	Period	ETo (mm/day)	P (mm/day)	Re (mm/day)	AWLR (mm/day)	ACC	LPA	CA	LPWR (mm/day)	Etc (mm/day)	NLPR (mm/day)	(Etc+P-Re)*CA (mm/day)	NFR (mm/day)	NFR*Days (mm)	Div. Req. (l/sec/ha)
Jan.	1	3.39	3.00	8.70	2.20	1.02		1.00	9.60	3.46	0.00	0.00	2.20	33.00	0.46
	2	3.34	3.00	5.30	1.10	0.98		1.00	9.50	3.27	0.00	0.97	2.07	33.12	0.44
Feb.	1	3.92	3.00	3.50	1.10	0.95		0.67	10.00	3.72	0.00	2.16	3.26	48.90	0.69
	2	4.10	3.00	0.80	0.80	0.95		0.33	10.10	3.90	0.00	2.01	2.01	26.13	0.42
Mar.	1	3.81	3.00	9.80				0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00
	2	4.08	3.00	5.80				0.00	10.10	0.00	0.00	0.00	0.00	0.00	0.00
Apr.	1	3.96	3.00	5.50			1.00	0.67	10.00	0.00	4.50	0.00	4.50	67.50	0.95
	2	4.07	3.00	14.90			0.33	0.67	10.10	4.48	0.00	0.00	0.00	0.00	0.00
May	1	3.81	3.00	8.50	1.10	1.08		0.67	9.90	4.19	0.46	0.00	0.46	6.90	0.10
	2	3.68	3.00	0.90	1.10	1.07		1.00	9.80	3.95	0.00	6.05	7.15	114.40	1.50
June	1	3.15	3.00	2.70	1.10	1.07		1.00	9.40	3.37	0.00	3.67	4.77	71.55	1.00
	2	3.09	3.00	1.20	2.20	1.02		1.00	9.40	3.15	0.00	4.95	7.15	107.25	1.50
July	1	3.27	3.00	3.50	1.10	0.98		1.00	9.50	3.20	0.00	2.70	3.80	57.00	0.80
	2	3.52	3.00	3.20	1.10	0.95		0.67	9.70	3.34	0.00	2.10	3.20	51.20	0.67
Aug.	1	3.74	3.00	0.00		0.95		0.33	9.80	3.55	0.00	2.16	2.16	32.40	0.45
	2	3.82	3.00	0.70				0.00	9.90	0.00	0.00	0.00	0.00	0.00	0.00
Sep.	1	3.68	3.00	3.30					9.80	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.70	3.00	9.50					9.80	0.00	0.00	0.00	0.00	0.00	0.00
Oct.	1	3.88	3.00	8.40			1.00		10.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	3.87	3.00	9.90			0.67	0.33	10.00	0.00	0.10	0.00	0.10	1.60	0.02
Nov.	1	3.95	3.00	4.40		1.10	0.67	0.33	10.00	4.35	3.75	0.97	4.72	70.80	0.99
	2	4.01	3.00	12.60		1.10	0.33	0.67	10.10	4.41	0.00	0.00	0.00	0.00	0.00
Dec.	1	3.71	3.00	12.40	1.10	1.08		1.00	9.80	4.01	0.00	0.00	1.10	16.50	0.23
	2	3.66	3.00	5.20	1.10	1.07		1.00	9.80	3.92	0.00	1.72	2.82	45.12	0.59

Note

ETo : Reference crop evapotranspiration (mm/day)

P : Percolation (mm/day)

Re : Effective rainfall (mm/day)

AWLR : Average water layer replacement (mm/day)

ACC : Average crop coefficients

LPA : Land preparation area

CA : Crop area

LPWR : Irrigation water requirements during land preparation (mm/day)

Etc : Consumptive use (mm/day)

NLPR : Net land preparation water requirements (mm/day)

NFR : Net field water requirements (mm/day)

Div. Req. : Unit diversion water requirements (l/sec/ha)

Table VII.3.6 (1/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

A. Rantau Berangin Irrigation Development Project

(A-1-1/2) Case-1 (1st Crop : Feb.16 ; 2nd Crop : Sep. 1)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	1.08	2.88	3.59	0.26	0.97	1.49	1.61	-0.05	0.86	1.66	1.66	0.89
2. Kuok II (L)	0.26	0.68	0.85	0.15	0.28	0.39	0.40	0.07	0.25	0.42	0.41	0.22
3. Bancah Labi (L)	0.05	0.20	0.24	-0.40	-0.14	-0.09	0.02	-0.41	-0.15	-0.02	0.03	0.03
4. Pangoan (L)	0.50	1.32	1.64	0.22	0.49	0.72	-0.75	0.07	0.45	0.79	0.78	0.42
5. Uwai (L)	0.29	1.01	1.26	-1.13	-0.25	-0.03	0.32	-1.19	-0.30	0.19	0.34	0.22
6. Telo (L)	0.03	0.19	0.23	-0.43	-0.15	-0.10	0.02	-0.43	-0.16	-0.03	0.02	0.02
7. Sei Tanang (L)	0.99	2.62	3.26	0.32	0.92	1.38	1.48	0.03	0.83	1.54	1.52	0.82
8. Muara Jalai (L)	0.07	0.28	0.35	-0.44	-0.14	-0.07	0.06	-0.46	-0.14	0.02	0.07	0.06
9. Pasir Jambu (L)	0.31	0.95	1.18	-0.62	-0.02	0.17	0.39	-0.70	-0.07	0.32	0.41	0.24
10. Sasapan II (L)	0.19	0.62	0.78	-0.53	-0.07	0.05	0.23	-0.58	-0.10	0.17	0.24	0.15
Total	3.77	10.75	13.38	-2.60	1.89	3.91	5.28	-3.65	1.47	5.06	5.48	3.07
11. Kuok I (R)	0.14	0.39	0.48	0.00	0.12	0.18	0.21	-0.04	0.10	0.22	0.22	0.12
12. Sei Maki (R)	0.05	0.17	0.21	-0.27	-0.08	-0.05	0.04	-0.29	-0.09	0.01	0.04	0.03
13. Salo Baru (R)	0.06	0.20	0.25	-0.26	-0.07	-0.02	0.06	-0.27	-0.07	0.03	0.06	0.04
14. Salo Ig. Beliti (R)	0.07	0.21	0.26	-0.09	0.02	0.06	0.09	-0.10	0.01	0.09	0.11	0.06
15. Bt. Bangkinang (R)	0.22	0.59	0.73	0.09	0.22	0.32	0.34	0.02	0.19	0.35	0.35	0.19
16. Ranah Singkuang (R)	0.50	1.48	1.84	-0.69	0.10	0.39	0.66	-0.82	0.03	0.59	0.69	0.40
17. Dukung Anak (R)	0.08	0.26	0.32	-0.14	0.00	0.06	0.11	-0.18	-0.01	0.09	0.12	0.07
18. Penyesawan (R)	0.08	0.23	0.28	-0.04	0.05	0.09	0.11	-0.06	0.04	0.12	0.12	0.07
19. Sei Sirah (R)	0.15	0.45	0.56	-0.24	0.02	0.11	0.19	-0.27	0.00	0.17	0.20	0.12
20. Sei Tibun (R)	0.87	2.28	2.84	0.46	0.89	1.29	1.33	0.20	0.81	1.40	1.37	0.73
21. Petapahan (R)	0.21	0.72	0.90	-0.82	-0.18	-0.03	0.23	-0.87	-0.23	0.13	0.25	0.15
22. Sei Tambang (R)	0.38	1.14	1.42	-0.59	0.05	0.27	0.50	-0.69	-0.01	0.44	0.52	0.31
Total	2.81	8.12	10.09	-2.59	1.14	2.67	3.87	-3.37	0.77	3.64	4.05	2.29

(Unit : m3/sec)

Table VII.3.6 (2/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-1-2/2) Case-1 (1st Crop : Feb. 16 ; 2nd Crop : Sep. 1)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Siam (L)	1.11	0.53	0.53	2.61	-0.43	0.56	-0.26	-0.15	1.37	0.78	2.76	2.32
2. Kuok II (L)	0.26	0.13	0.13	0.62	0.01	0.17	0.03	0.03	0.35	0.26	0.67	0.57
3. Bancah Labi (L)	0.08	0.04	0.04	0.18	-0.54	-0.13	-0.41	-0.31	0.00	-0.28	0.12	0.09
4. Pangoan (L)	0.51	0.24	0.24	1.20	-0.08	0.30	-0.03	-0.01	0.65	0.43	1.28	1.08
5. Uwai (L)	0.39	0.19	0.19	0.92	-1.63	-0.30	-1.25	-0.93	0.22	-0.70	0.78	0.62
6. Telo (L)	0.07	0.03	0.03	0.17	-0.56	-0.15	-0.43	-0.32	-0.01	-0.30	0.11	0.08
7. Sei Tanang (L)	1.01	0.48	0.48	2.37	-0.31	0.54	-0.17	-0.09	1.26	0.77	2.52	2.11
8. Muara Jalai (L)	0.11	0.05	0.05	0.26	-0.61	-0.13	-0.47	-0.35	0.04	-0.30	0.20	0.15
9. Pasir Jambu (L)	0.37	0.18	0.18	0.86	-1.00	-0.10	-0.76	-0.55	0.30	-0.30	0.79	0.65
10. Sasapan II (L)	0.24	0.12	0.12	0.57	-0.81	-0.12	-0.62	-0.46	0.18	-0.29	0.50	0.41
Total	4.15	1.99	1.99	9.76	-5.96	0.64	-4.37	-3.14	4.36	0.07	9.73	8.08
11. Kuok I (R)	0.15	0.07	0.07	0.35	-0.10	0.06	-0.06	-0.04	0.17	0.07	0.36	0.30
12. Sei Maki (R)	0.07	0.03	0.03	0.15	-0.37	-0.08	-0.29	-0.22	0.01	-0.19	0.11	0.09
13. Salo Baru (R)	0.08	0.04	0.04	0.18	-0.37	-0.07	-0.28	-0.21	0.03	-0.17	0.15	0.11
14. Salo Tg. Beiliti (R)	0.08	0.04	0.04	0.19	-0.15	0.00	-0.12	-0.09	0.08	-0.02	0.18	0.15
15. Bt. Bangkinang (R)	0.23	0.11	0.11	0.53	-0.05	0.13	-0.02	0.00	0.28	0.18	0.56	0.47
16. Ranah Singkuang (R)	0.57	0.27	0.27	1.34	-1.22	-0.05	-0.92	-0.66	0.53	-0.25	1.28	1.05
17. Dukung Anak (R)	0.10	0.05	0.05	0.24	-0.25	-0.02	-0.19	-0.14	0.08	-0.07	0.22	0.18
18. Penyesawan (R)	0.09	0.04	0.04	0.21	-0.10	0.02	-0.07	-0.05	0.10	0.02	0.21	0.18
19. Sei Sirah (R)	0.17	0.08	0.08	0.41	-0.40	-0.03	-0.30	-0.22	0.16	-0.10	0.39	0.32
20. Sei Tibun (R)	0.88	0.42	0.42	2.07	-0.05	0.54	0.03	0.06	1.14	0.81	2.23	1.88
21. Petapahan (R)	0.28	0.13	0.13	0.66	-1.18	-0.22	-0.90	-0.67	0.15	-0.51	0.55	0.44
22. Sei Tambang (R)	0.44	0.21	0.21	1.03	-1.01	-0.06	-0.77	-0.56	0.39	-0.25	0.98	0.80
Total	3.14	1.49	1.49	7.36	-5.25	0.22	-3.89	-2.80	3.12	-0.48	7.22	5.97

Table VII.3.6 (3/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-2-1/2) Case-2 (1st Crop : Jan. 1 ; 2nd Crop : July 16)

(Unit : m³/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	0.43	2.88	3.50	0.50	1.10	1.34	1.66	0.27	1.33	1.99	1.86	0.97
2. Kuok II (L)	0.16	0.68	0.84	0.18	0.30	0.37	0.41	0.12	0.32	0.47	0.44	0.23
3. Bancah Labi (L)	-0.26	0.20	0.20	-0.29	-0.07	-0.16	0.04	-0.26	0.07	0.14	0.13	0.07
4. Pangoan (L)	0.27	1.32	1.61	0.30	0.54	0.67	0.77	0.19	0.61	0.91	0.85	0.45
5. Uwai (L)	-0.72	1.01	1.13	-0.77	-0.04	-0.25	0.39	-0.70	0.41	0.70	0.65	0.34
6. Telo (L)	-0.29	0.19	0.19	-0.31	-0.09	-0.17	0.04	-0.27	0.07	0.13	0.12	0.06
7. Sei Tanang (L)	0.45	2.62	3.19	0.51	1.03	1.26	1.51	0.29	1.21	1.81	1.69	0.89
8. Muara Jajai (L)	-0.29	0.28	0.30	-0.31	-0.06	-0.15	0.09	-0.28	0.12	0.20	0.18	0.10
9. Pasir Jambu (L)	-0.36	0.95	1.09	-0.38	0.11	0.02	0.43	-0.37	0.41	0.66	0.61	0.32
10. Sasapan II (L)	-0.32	0.62	0.71	-0.34	0.04	-0.06	0.26	-0.32	0.27	0.43	0.40	0.21
Total	-0.93	10.75	12.76	-0.91	2.86	2.87	5.60	-1.33	4.82	7.44	6.93	3.64
11. Kuok I (R)	0.03	0.39	0.47	0.04	0.14	0.16	0.21	0.01	0.17	0.27	0.25	0.13
12. Sei Maki (R)	-0.18	0.17	0.18	-0.19	-0.03	-0.10	0.05	-0.18	0.07	0.12	0.11	0.06
13. Salo Baru (R)	-0.17	0.20	0.22	-0.18	-0.02	-0.07	0.07	-0.16	0.09	0.14	0.13	0.07
14. Salo Tg. Beliti (R)	-0.05	0.21	0.25	-0.05	0.05	0.03	0.10	-0.05	0.09	0.15	0.14	0.07
15. Bt. Bangkinang (R)	0.11	0.59	0.72	0.13	0.24	0.30	0.34	0.08	0.27	0.41	0.38	0.20
16. Ranah Singkuang (R)	-0.36	1.48	1.73	-0.38	0.28	0.20	0.71	-0.40	0.64	1.02	0.95	0.50
17. Dukung Anak (R)	-0.09	0.26	0.30	-0.08	0.04	0.02	0.12	-0.09	0.11	0.18	0.17	0.09
18. Penyesawan (R)	-0.01	0.23	0.27	0.00	0.07	0.07	0.12	-0.02	0.10	0.16	0.15	0.08
19. Sei Sirah (R)	-0.13	0.45	0.52	-0.14	0.08	0.05	0.21	-0.13	0.20	0.31	0.29	0.15
20. Sei Tibun (R)	0.51	2.28	2.79	0.59	0.96	1.22	1.35	0.37	1.07	1.58	1.48	0.77
21. Petapahan (R)	-0.51	0.72	0.80	-0.56	-0.03	-0.19	0.28	-0.51	0.29	0.50	0.47	0.24
22. Sei Tambang (R)	-0.32	1.14	1.33	-0.34	0.19	0.12	0.54	-0.35	0.49	0.79	0.74	0.39
Total	-1.17	8.12	9.58	-1.16	1.97	1.81	4.10	-1.43	3.59	5.63	5.26	2.75

Table VII.3.6 (4/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-2-2/2) Case-2 (1st Crop : Jan. 1 ; 2nd Crop : July 16)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	1.11	-0.57	-0.38	2.61	-0.17	0.68	-0.41	-0.10	1.43	1.44	2.92	2.48
2. Kuok II (L)	0.26	-0.03	-0.01	0.62	0.05	0.19	0.00	0.04	0.36	0.36	0.69	0.59
3. Bancah Labi (L)	0.08	-0.49	-0.40	0.18	-0.41	-0.07	-0.49	-0.28	0.03	0.04	0.20	0.17
4. Pangoan (L)	0.51	-0.16	-0.09	1.20	0.02	0.35	-0.09	0.01	0.67	0.68	1.34	1.14
5. Uwai (L)	0.39	-1.51	-1.22	0.92	-1.22	-0.10	-1.48	-0.85	0.31	0.33	1.03	0.87
6. Tejo (L)	0.07	-0.52	-0.42	0.17	-0.43	-0.08	-0.51	-0.30	0.02	0.03	0.19	0.16
7. Sei Tanang (L)	1.01	-0.44	-0.28	2.37	-0.09	0.65	-0.30	-0.05	1.31	1.32	2.66	2.25
8. Muara Jalai (L)	0.11	-0.57	-0.46	0.26	-0.46	-0.06	-0.56	-0.32	0.07	0.08	0.29	0.24
9. Pasir Jambu (L)	0.37	-0.94	-0.75	0.86	-0.73	0.03	-0.92	-0.50	0.36	0.38	0.96	0.82
10. Sasapan II (L)	0.24	-0.75	-0.60	0.57	-0.60	-0.02	-0.74	-0.42	0.22	0.23	0.63	0.54
Total	4.15	-5.98	-4.61	9.76	-4.04	1.57	-5.50	-2.77	4.78	4.89	10.91	9.26
11. Kuok I (R)	0.15	-0.11	-0.08	0.35	-0.05	0.08	-0.09	-0.03	0.18	0.19	0.39	0.33
12. Sei Maki (R)	0.07	-0.34	-0.28	0.15	-0.28	-0.04	-0.34	-0.20	0.03	0.04	0.17	0.15
13. Salo Baru (R)	0.08	-0.34	-0.27	0.18	-0.27	-0.03	-0.34	-0.19	0.05	0.06	0.21	0.17
14. Salo Tg. Beliti (R)	0.08	-0.15	-0.12	0.19	-0.11	0.02	-0.14	-0.08	0.09	0.09	0.21	0.18
15. Bt. Bangkinang (R)	0.23	-0.07	-0.04	0.53	0.00	0.15	-0.05	0.01	0.29	0.29	0.59	0.50
16. Ranah Singkuang (R)	0.57	-1.18	-0.93	1.34	-0.87	0.12	-1.12	-0.59	0.60	0.62	1.50	1.27
17. Dukung Anak (R)	0.10	-0.23	-0.19	0.24	-0.18	0.02	-0.23	-0.13	0.10	0.10	0.26	0.22
18. Penyesawan (R)	0.09	-0.11	-0.08	0.21	-0.07	0.04	-0.09	-0.04	0.11	0.11	0.23	0.20
19. Sei Sirah (R)	0.17	-0.39	-0.31	0.41	-0.28	0.03	-0.37	-0.20	0.18	0.19	0.46	0.39
20. Sei Tibun (R)	0.88	-0.19	-0.08	2.07	0.10	0.61	-0.06	0.09	1.17	1.18	2.32	1.97
21. Petapahan (R)	0.28	-1.10	-0.89	0.66	-0.88	-0.08	-1.07	-0.62	0.22	0.23	0.73	0.62
22. Sei Tambang (R)	0.44	-0.98	-0.78	1.03	-0.73	0.08	-0.93	-0.50	0.45	0.47	1.16	0.98
Total	3.14	-5.19	-4.05	7.36	-3.62	1.00	-4.83	-2.48	3.47	3.57	8.23	6.98

Table VII.3.6 (5/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-3-1/2) Case-3 (1st Crop : Jan. 16 ; 2nd Crop : Aug. 1)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	1.15	2.88	3.41	0.52	1.10	1.48	1.48	0.00	1.11	1.94	1.86	0.97
2. Kuok II (L)	0.27	0.68	0.82	0.19	0.30	0.39	0.38	0.08	0.29	0.46	0.44	0.23
3. Bancah Labi (L)	0.08	0.20	0.15	-0.27	-0.07	-0.10	-0.04	-0.38	-0.03	0.12	0.13	0.07
4. Pangoan (L)	0.53	1.32	1.57	0.31	0.54	0.72	0.71	0.09	0.54	0.89	0.85	0.45
5. Uwai (L)	0.40	1.01	0.98	-0.72	-0.05	-0.04	0.12	-1.11	0.08	0.62	0.65	0.34
6. Telo (L)	0.07	0.19	0.14	-0.30	-0.09	-0.10	-0.05	-0.40	-0.04	0.11	0.12	0.06
7. Sei Tanang (L)	1.05	2.62	3.11	0.54	1.03	1.38	1.37	0.07	1.04	1.77	1.69	0.89
8. Muara Jalai (L)	0.11	0.28	0.25	-0.29	-0.06	-0.07	-0.01	-0.43	0.00	0.17	0.18	0.10
9. Pasir Jambu (L)	0.38	0.95	1.00	-0.35	0.11	0.16	0.26	-0.64	0.19	0.61	0.61	0.32
10. Sasapan II (L)	0.25	0.62	0.64	-0.32	0.03	0.05	0.12	-0.53	0.10	0.39	0.40	0.21
Total	4.29	10.75	12.07	-0.69	2.84	3.87	4.34	-3.25	3.28	7.08	6.93	3.64
11. Kuok I (R)	0.15	0.39	0.45	0.04	0.14	0.18	0.18	-0.03	0.14	0.26	0.25	0.13
12. Sei Maki (R)	0.07	0.17	0.15	-0.18	-0.03	-0.05	0.00	-0.27	-0.01	0.10	0.11	0.06
13. Salo Baru (R)	0.08	0.20	0.19	-0.17	-0.03	-0.02	0.01	-0.25	0.01	0.12	0.13	0.07
14. Salo Tg. Beliti (R)	0.08	0.21	0.23	-0.04	0.05	0.06	0.07	-0.09	0.06	0.14	0.14	0.07
15. Bt. Bangkinang (R)	0.23	0.59	0.70	0.13	0.24	0.32	0.31	0.03	0.24	0.40	0.38	0.20
16. Ranah Singkuang (R)	0.59	1.48	1.60	-0.34	0.27	0.38	0.49	-0.74	0.36	0.95	0.95	0.50
17. Dukung Anak (R)	0.10	0.26	0.27	-0.08	0.04	0.06	0.07	-0.16	0.05	0.17	0.17	0.09
18. Penyesawan (R)	0.09	0.23	0.26	0.00	0.07	0.09	0.10	-0.05	0.08	0.15	0.15	0.08
19. Sei Sirah (R)	0.18	0.45	0.48	-0.12	0.07	0.11	0.14	-0.25	0.11	0.29	0.29	0.15
20. Sei Tibun (R)	0.91	2.28	2.74	0.60	0.96	1.29	1.26	0.23	0.95	1.55	1.48	0.77
21. Petapahan (R)	0.29	0.72	0.70	-0.52	-0.04	-0.04	0.09	-0.81	0.05	0.44	0.47	0.24
22. Sei Tambang (R)	0.46	1.14	1.23	-0.31	0.19	0.26	0.36	-0.63	0.26	0.74	0.74	0.39
Total	3.23	8.12	9.00	-0.99	1.93	2.64	3.08	-3.02	2.30	5.31	5.26	2.75

Table VII.3.6 (6/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-3-2/2) Case-3 (1st Crop : Jan. 16 ; 2nd Crop : Aug. 1)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	1.11	0.53	-0.52	2.61	-0.15	0.68	-0.27	-0.28	1.42	1.13	2.92	2.48
2. Kuok II (L)	0.26	0.13	-0.03	0.62	0.05	0.19	0.02	0.01	0.35	0.31	0.69	0.59
3. Bancah Labi (L)	0.08	0.04	-0.46	0.18	-0.40	-0.07	-0.42	-0.37	0.03	-0.11	0.20	0.17
4. Pangoan (L)	0.51	0.24	-0.14	1.20	0.02	0.35	-0.04	-0.05	0.67	0.56	1.34	1.14
5. Uwai (L)	0.39	0.19	-1.43	0.92	-1.19	-0.10	-1.27	-1.14	0.29	-0.16	1.03	0.87
6. Telo (L)	0.07	0.03	-0.49	0.17	-0.42	-0.08	-0.44	-0.39	0.01	-0.13	0.19	0.16
7. Sei Tanang (L)	1.01	0.48	-0.40	2.37	-0.07	0.65	-0.18	-0.20	1.31	1.06	2.66	2.25
8. Muara Jalai (L)	0.11	0.05	-0.54	0.26	-0.45	-0.06	-0.48	-0.42	0.06	-0.10	0.29	0.24
9. Pasir Jambu (L)	0.37	0.18	-0.89	0.86	-0.71	0.03	-0.78	-0.69	0.35	0.06	0.96	0.82
10. Sasapan II (L)	0.24	0.12	-0.71	0.57	-0.58	-0.02	-0.63	-0.56	0.21	-0.02	0.63	0.54
Total	4.15	1.99	-5.61	9.76	-3.90	1.57	-4.49	-4.09	4.70	2.60	10.91	9.26
11. Kuok I (R)	0.15	0.07	-0.10	0.35	-0.05	0.08	-0.06	-0.06	0.18	0.13	0.39	0.33
12. Sei Maki (R)	0.07	0.03	-0.33	0.15	-0.27	-0.04	-0.30	-0.26	0.03	-0.07	0.17	0.15
13. Salo Baru (R)	0.08	0.04	-0.32	0.18	-0.27	-0.03	-0.29	-0.26	0.05	-0.05	0.21	0.17
14. Salo Tg. Beliti (R)	0.08	0.04	-0.14	0.19	-0.10	0.02	-0.12	-0.11	0.09	0.04	0.21	0.18
15. Bt. Bangkinang (R)	0.23	0.11	-0.07	0.53	0.00	0.15	-0.03	-0.03	0.29	0.24	0.59	0.50
16. Ranah Singkuang (R)	0.57	0.27	-1.11	1.34	-0.84	0.12	-0.94	-0.84	0.59	0.21	1.50	1.27
17. Dukung Anak (R)	0.10	0.05	-0.22	0.24	-0.18	0.02	-0.20	-0.17	0.10	0.02	0.26	0.22
18. Penyesawan (R)	0.09	0.04	-0.10	0.21	-0.07	0.04	-0.07	-0.06	0.11	0.07	0.23	0.20
19. Sei Sirah (R)	0.17	0.08	-0.37	0.41	-0.28	0.03	-0.31	-0.28	0.18	0.05	0.46	0.39
20. Sei Tibun (R)	0.88	0.42	-0.16	2.07	0.11	0.61	0.02	-0.02	1.17	1.00	2.32	1.97
21. Petapahan (R)	0.28	0.13	-1.04	0.66	-0.86	-0.08	-0.92	-0.82	0.21	-0.12	0.73	0.62
22. Sei Tambang (R)	0.44	0.21	-0.92	1.03	-0.70	0.08	-0.78	-0.70	0.45	0.13	1.16	0.98
Total	3.14	1.49	-4.88	7.36	-3.51	1.00	-4.00	-3.61	3.45	1.65	8.23	6.98

Table VII.3.6 (7/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-4-1/2) Case-4 (1st Crop : Feb. 1 ; 2nd Crop : Aug. 16)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	1.15	2.88	3.32	0.39	1.11	1.47	1.62	-0.19	1.05	1.73	1.84	0.97
2. Kuok II (L)	0.27	0.68	0.81	0.17	0.30	0.39	0.40	0.05	0.28	0.43	0.44	0.23
3. Bancah Labi (L)	0.08	0.20	0.11	-0.34	-0.07	-0.10	0.02	-0.48	-0.06	0.01	0.12	0.07
4. Pangoan (L)	0.53	1.32	1.54	0.26	0.54	0.72	0.76	0.02	0.51	0.81	0.84	0.45
5. Uwai (L)	0.40	1.01	0.84	-0.93	-0.03	-0.05	0.33	-1.40	-0.02	0.29	0.62	0.34
6. Telo (L)	0.07	0.19	0.10	-0.36	-0.08	-0.11	0.02	-0.50	-0.07	0.00	0.11	0.06
7. Sei Tanang (L)	1.05	2.62	3.03	0.42	1.04	1.37	1.48	-0.09	0.98	1.59	1.67	0.89
8. Muara Jalai (L)	0.11	0.28	0.20	-0.37	-0.06	-0.08	0.07	-0.54	-0.04	0.05	0.17	0.10
9. Pasir Jambu (L)	0.38	0.95	0.90	-0.49	0.12	0.15	0.40	-0.84	0.12	0.39	0.59	0.32
10. Sasapan II (L)	0.25	0.62	0.57	-0.43	0.04	0.04	0.23	-0.69	0.05	0.22	0.38	0.21
Total	4.29	10.75	11.42	-1.68	2.91	3.80	5.33	-4.66	2.80	5.52	6.78	3.64
11. Kuok I (R)	0.15	0.39	0.43	0.02	0.14	0.18	0.21	-0.07	0.13	0.23	0.25	0.13
12. Sei Maki (R)	0.07	0.17	0.12	-0.22	-0.03	-0.05	0.04	-0.33	-0.03	0.03	0.10	0.06
13. Salo Baru (R)	0.08	0.20	0.16	-0.22	-0.02	-0.02	0.06	-0.32	-0.01	0.05	0.12	0.07
14. Salo Ig. Beliti (R)	0.08	0.21	0.21	-0.07	0.05	0.06	0.10	-0.12	0.04	0.10	0.14	0.07
15. Bt. Bangkinang (R)	0.23	0.59	0.68	0.11	0.24	0.32	0.34	0.00	0.23	0.37	0.38	0.20
16. Ranah Singkuang (R)	0.59	1.48	1.48	-0.52	0.29	0.37	0.67	-1.00	0.28	0.67	0.92	0.50
17. Dukung Anak (R)	0.10	0.26	0.25	-0.11	0.04	0.06	0.11	-0.21	0.04	0.11	0.16	0.09
18. Penyesawan (R)	0.09	0.23	0.24	-0.02	0.07	0.09	0.11	-0.08	0.07	0.12	0.15	0.08
19. Sei Sirah (R)	0.18	0.45	0.44	-0.18	0.08	0.11	0.19	-0.33	0.08	0.20	0.28	0.15
20. Sei Tibun (R)	0.91	2.28	2.69	0.53	0.97	1.29	1.33	0.12	0.91	1.43	1.47	0.77
21. Petapahan (R)	0.29	0.72	0.60	-0.68	-0.02	-0.04	0.24	-1.02	-0.02	0.21	0.45	0.24
22. Sei Tambang (R)	0.46	1.14	1.13	-0.45	0.20	0.25	0.50	-0.84	0.19	0.51	0.72	0.39
Total	3.23	8.12	8.43	-1.81	2.01	2.62	3.90	-4.20	1.91	4.03	5.14	2.75

Table VII.3.6 (8/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-4-2/2) Case-4 (1st Crop : Feb. 1 ; 2nd Crop : Aug.16)

(Unit : m3/sec)

Scheme Name	July			Aug.			Sep.			Oct.			Nov.			Dec.				
	1.	2.	16-End	1.	2.	16-End	1.	2.	16-End	1.	2.	16-End	1.	2.	16-End	1.	2.	16-End		
	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	1-15	
1. Sei Siam (L)	1.11	0.53	2.61	0.53	2.61	0.53	-0.43	0.56	-0.26	-0.15	1.37	0.78	2.76	2.32						
2. Kuok II (L)	0.26	0.13	0.62	0.13	0.62	0.01	0.17	0.17	0.03	0.03	0.35	0.26	0.67	0.57						
3. Bancah Labi (L)	0.08	0.04	0.18	0.04	0.18	-0.54	-0.13	-0.13	-0.41	-0.31	0.00	-0.28	0.12	0.09						
4. Pangoan (L)	0.51	0.24	1.20	0.24	1.20	-0.08	0.30	0.30	-0.03	-0.01	0.65	0.43	1.28	1.08						
5. Uwai (L)	0.39	0.19	0.92	0.19	0.92	-1.63	-0.30	-0.30	-1.25	-0.93	0.22	-0.70	0.78	0.62						
6. Telo (L)	0.07	0.03	0.17	0.03	0.17	-0.56	-0.15	-0.15	-0.43	-0.32	-0.01	-0.30	0.11	0.08						
7. Sei Tanang (L)	1.01	0.48	2.37	0.48	2.37	-0.31	0.54	0.54	-0.17	-0.09	1.26	0.77	2.52	2.11						
8. Muara Jatai (L)	0.11	0.05	0.26	0.05	0.26	-0.61	-0.13	-0.13	-0.47	-0.35	0.04	-0.30	0.20	0.15						
9. Pasir Jambu (L)	0.37	0.18	0.86	0.18	0.86	-1.00	-0.10	-0.10	-0.76	-0.55	0.30	-0.30	0.79	0.65						
10. Sasapan II (L)	0.24	0.12	0.57	0.12	0.57	-0.81	-0.12	-0.12	-0.62	-0.46	0.18	-0.29	0.50	0.41						
Total	4.15	1.99	9.76	1.99	9.76	-5.96	0.64	0.64	-4.37	-3.14	4.36	0.07	9.73	8.08						
11. Kuok I (R)	0.15	0.07	0.35	0.07	0.35	-0.10	0.06	0.06	-0.06	-0.04	0.17	0.07	0.36	0.30						
12. Sei Maki (R)	0.07	0.03	0.15	0.03	0.15	-0.37	-0.08	-0.08	-0.29	-0.22	0.01	-0.19	0.11	0.09						
13. Salo Baru (R)	0.08	0.04	0.18	0.04	0.18	-0.37	-0.07	-0.07	-0.28	-0.21	0.03	-0.17	0.15	0.11						
14. Salo Tg. Beliti (R)	0.08	0.04	0.19	0.04	0.19	-0.15	0.00	0.00	-0.12	-0.09	0.08	-0.02	0.18	0.15						
15. Bt. Bangkinang (R)	0.23	0.11	0.53	0.11	0.53	-0.05	0.13	0.13	-0.02	0.00	0.28	0.18	0.56	0.47						
16. Ranah Singkuang (R)	0.57	0.27	1.34	0.27	1.34	-1.22	-0.05	-0.05	-0.92	-0.66	0.53	-0.25	1.28	1.05						
17. Dukung Anak (R)	0.10	0.05	0.24	0.05	0.24	-0.25	-0.02	-0.02	-0.19	-0.14	0.08	-0.07	0.22	0.18						
18. Penyesawan (R)	0.09	0.04	0.21	0.04	0.21	-0.10	0.02	0.02	-0.07	-0.05	0.10	0.02	0.21	0.18						
19. Sei Sirah (R)	0.17	0.08	0.41	0.08	0.41	-0.40	-0.03	-0.03	-0.30	-0.22	0.16	-0.10	0.39	0.32						
20. Sei Tibun (R)	0.88	0.42	2.07	0.42	2.07	-0.05	0.54	0.54	0.03	0.06	1.14	0.81	2.23	1.88						
21. Petapahan (R)	0.28	0.13	0.66	0.13	0.66	-1.18	-0.22	-0.22	-0.90	-0.67	0.15	-0.51	0.55	0.44						
22. Sei Tambang (R)	0.44	0.21	1.03	0.21	1.03	-1.01	-0.06	-0.06	-0.77	-0.56	0.39	-0.25	0.98	0.80						
Total	3.14	1.49	7.36	1.49	7.36	-5.25	0.22	0.22	-3.89	-2.80	3.12	-0.48	7.22	5.97						

Table VII.3.6 (9/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-5-1/2) Case-5 (1st Crop : Mar. 1 ; 2nd Crop : Sep.16)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	0.84	2.88	3.59	1.28	0.83	1.35	1.63	-0.06	1.00	1.47	1.62	0.64
2. Kuok II (L)	0.22	0.68	0.85	0.30	0.26	0.37	0.40	0.07	0.27	0.39	0.41	0.18
3. Bancah Labi (L)	-0.07	0.20	0.24	0.09	-0.20	-0.16	0.03	-0.41	-0.09	-0.11	0.02	-0.09
4. Pangoan (L)	0.42	1.32	1.64	0.59	0.44	0.67	0.76	0.07	0.49	0.72	0.76	0.33
5. Uwai (L)	-0.08	1.01	1.26	0.45	-0.46	-0.24	0.35	-1.21	-0.09	-0.11	0.29	-0.17
6. Telo (L)	-0.08	0.19	0.23	0.08	-0.22	-0.17	0.03	-0.43	-0.09	-0.13	0.00	-0.10
7. Sei Tanang (L)	0.79	2.62	3.26	1.17	0.80	1.27	1.49	0.02	0.94	1.37	1.49	0.62
8. Muara Jatai (L)	-0.06	0.28	0.35	0.13	-0.21	-0.15	0.08	-0.47	-0.07	-0.09	0.05	-0.08
9. Pasir Jambu (L)	0.07	0.95	1.18	0.42	-0.16	0.03	0.41	-0.70	0.07	0.13	0.37	-0.02
10. Sasapan II (L)	0.01	0.62	0.78	0.28	-0.18	-0.05	0.24	-0.58	0.01	0.02	0.21	-0.05
Total	2.06	10.75	13.38	4.79	0.90	2.92	5.42	-3.70	2.44	3.66	5.22	1.26
11. Kuok I (R)	0.10	0.39	0.48	0.17	0.10	0.16	0.21	-0.05	0.12	0.18	0.21	0.08
12. Sei Maki (R)	-0.03	0.17	0.21	0.08	-0.12	-0.09	0.05	-0.29	-0.05	-0.06	0.03	-0.05
13. Salo Baru (R)	-0.03	0.20	0.25	0.09	-0.12	-0.07	0.07	-0.27	-0.03	-0.04	0.05	-0.04
14. Salo Tg. Beliti (R)	0.03	0.21	0.26	0.09	0.00	0.04	0.10	-0.10	0.04	0.06	0.10	0.01
15. Bt. Bangkinang (R)	0.18	0.59	0.73	0.26	0.19	0.30	0.34	0.02	0.22	0.32	0.34	0.14
16. Ranah Singkuang (R)	0.19	1.48	1.84	0.66	-0.08	0.21	0.69	-0.83	0.21	0.33	0.64	0.07
17. Dukung Anak (R)	0.02	0.26	0.32	0.12	-0.03	0.02	0.11	-0.18	0.02	0.04	0.11	0.00
18. Penyesawan (R)	0.05	0.23	0.28	0.10	0.04	0.07	0.12	-0.06	0.06	0.09	0.12	0.04
19. Sei Sirah (R)	0.05	0.45	0.56	0.20	-0.04	0.05	0.20	-0.27	0.06	0.09	0.19	0.01
20. Sei Tibun (R)	0.74	2.28	2.84	1.02	0.81	1.22	1.34	0.19	0.89	1.29	1.35	0.59
21. Petapahan (R)	-0.05	0.72	0.90	0.32	-0.33	-0.18	0.25	-0.88	-0.07	-0.08	0.21	-0.13
22. Sei Tambang (R)	0.13	1.14	1.42	0.51	-0.10	0.12	0.52	-0.70	0.14	0.23	0.49	0.04
Total	1.38	8.12	10.09	3.62	0.32	1.85	4.00	-3.42	1.61	2.45	3.84	0.76

Table VII.3.6 (10/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-5-22) Case-5 (1st Crop : Mar. 1 ; 2nd Crop : Sep.16)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Siyam (L)	0.92	0.53	0.53	2.61	0.80	0.41	-0.40	-0.13	1.36	0.91	2.59	2.32
2. Kuok II (L)	0.23	0.13	0.13	0.62	0.19	0.15	0.00	0.03	0.35	0.28	0.64	0.57
3. Bancah Labi (L)	-0.01	0.04	0.04	0.18	0.05	-0.20	-0.48	-0.30	0.00	-0.21	0.04	0.09
4. Pangoan (L)	0.44	0.24	0.24	1.20	0.37	0.25	-0.09	0.00	0.65	0.48	1.22	1.08
5. Uwai (L)	0.09	0.19	0.19	0.92	0.28	-0.52	-1.47	-0.91	0.21	-0.49	0.52	0.62
6. Telo (L)	-0.03	0.03	0.03	0.17	0.05	-0.22	-0.50	-0.32	-0.01	-0.24	0.03	0.08
7. Sei Tanang (L)	0.85	0.48	0.48	2.37	0.72	0.42	-0.29	-0.08	1.26	0.88	2.39	2.11
8. Muara Jalai (L)	0.00	0.05	0.05	0.26	0.08	-0.21	-0.55	-0.34	0.03	-0.22	0.11	0.15
9. Pasir Jambu (L)	0.17	0.18	0.18	0.86	0.26	-0.25	-0.91	-0.54	0.30	-0.16	0.62	0.65
10. Sasapan II (L)	0.09	0.12	0.12	0.57	0.17	-0.23	-0.73	-0.44	0.17	-0.19	0.37	0.41
Total	2.75	1.99	1.99	9.76	2.97	-0.40	-5.42	-3.03	4.32	1.04	8.53	8.08
11. Kuok I (R)	0.12	0.07	0.07	0.35	0.11	0.04	-0.09	-0.04	0.17	0.10	0.34	0.30
12. Sei Maki (R)	0.00	0.03	0.03	0.15	0.05	-0.13	-0.34	-0.21	0.01	-0.14	0.06	0.09
13. Salo Baru (R)	0.01	0.04	0.04	0.18	0.06	-0.12	-0.33	-0.21	0.03	-0.12	0.10	0.11
14. Salo Tg. Beliti (R)	0.05	0.04	0.04	0.19	0.06	-0.03	-0.14	-0.08	0.08	0.00	0.15	0.15
15. Bt. Bangkinang (R)	0.20	0.11	0.11	0.53	0.16	0.11	-0.05	0.00	0.28	0.21	0.53	0.47
16. Ranah Singkuang (R)	0.32	0.27	0.27	1.34	0.41	-0.23	-1.11	-0.64	0.52	-0.07	1.07	1.05
17. Dukung Anak (R)	0.05	0.05	0.05	0.24	0.07	-0.05	-0.23	-0.14	0.08	-0.04	0.17	0.18
18. Penyesawan (R)	0.06	0.04	0.04	0.21	0.06	0.01	-0.09	-0.05	0.10	0.04	0.19	0.18
19. Sei Sirah (R)	0.09	0.08	0.08	0.41	0.13	-0.09	-0.37	-0.22	0.15	-0.04	0.32	0.32
20. Sei Tibun (R)	0.77	0.42	0.42	2.07	0.63	0.46	-0.05	0.07	1.13	0.89	2.14	1.88
21. Petapahan (R)	0.06	0.13	0.13	0.66	0.20	-0.38	-1.06	-0.66	0.14	-0.36	0.36	0.44
22. Sei Tambang (R)	0.23	0.21	0.21	1.03	0.32	-0.21	-0.92	-0.54	0.38	-0.10	0.81	0.80
Total	1.96	1.49	1.49	7.36	2.26	-0.62	-4.78	-2.72	3.07	0.37	6.24	5.97

Table VII.3.6 (11/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-6-1/2) Case-6 (1st Crop : Mar.16 ; 2nd Crop : Oct. 1)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	0.76	2.72	3.59	1.28	1.46	1.22	1.50	-0.04	1.00	1.61	1.43	0.55
2. Kuok II (L)	0.21	0.66	0.85	0.30	0.35	0.35	0.38	0.08	0.27	0.41	0.38	0.17
3. Banceh Labi (L)	-0.11	0.12	0.24	0.09	0.10	-0.22	-0.03	-0.40	-0.09	-0.04	-0.07	-0.13
4. Pangoan (L)	0.39	1.26	1.64	0.59	0.67	0.62	0.71	0.08	0.49	0.77	0.69	0.30
5. Uwai (L)	-0.21	0.76	1.26	0.45	0.51	-0.45	0.14	-1.17	-0.09	0.11	-0.01	-0.31
6. Telo (L)	-0.13	0.11	0.23	0.08	0.09	-0.24	-0.04	-0.42	-0.09	-0.06	-0.09	-0.15
7. Sei Tanang (L)	0.72	2.48	3.26	1.17	1.33	1.16	1.38	0.04	0.94	1.49	1.33	0.54
8. Muara Jalai (L)	-0.11	0.19	0.35	0.13	0.14	-0.22	0.00	-0.45	-0.07	-0.01	-0.06	-0.14
9. Pasir Jambu (L)	-0.02	0.78	1.18	0.42	0.48	-0.11	0.27	-0.68	0.07	0.27	0.17	-0.11
10. Sasapan II (L)	-0.06	0.49	0.78	0.28	0.32	-0.16	0.14	-0.57	0.01	0.13	0.06	-0.12
Total	1.44	9.57	13.38	4.79	5.45	1.95	4.45	-3.53	2.44	4.68	3.83	0.60
11. Kuok I (R)	0.08	0.36	0.48	0.17	0.20	0.14	0.19	-0.04	0.12	0.21	0.18	0.06
12. Sei Maki (R)	-0.06	0.11	0.21	0.08	0.09	-0.14	0.00	-0.28	-0.05	-0.01	-0.04	-0.08
13. Salo Baru (R)	-0.06	0.14	0.25	0.09	0.10	-0.11	0.02	-0.26	-0.03	0.01	-0.02	-0.08
14. Salo Tg. Beliti (R)	0.01	0.18	0.26	0.09	0.11	0.01	0.07	-0.10	0.04	0.08	0.07	0.00
15. Bt. Bangkinang (R)	0.16	0.56	0.73	0.26	0.30	0.28	0.32	0.03	0.22	0.35	0.31	0.13
16. Ranah Singkuang (R)	0.07	1.26	1.84	0.66	0.75	0.03	0.51	-0.80	0.21	0.52	0.39	-0.06
17. Dukung Anak (R)	0.00	0.22	0.32	0.12	0.13	-0.01	0.08	-0.17	0.02	0.08	0.06	-0.02
18. Penyesawan (R)	0.04	0.21	0.28	0.10	0.12	0.05	0.10	-0.06	0.06	0.11	0.09	0.02
19. Sei Sirah (R)	0.01	0.38	0.56	0.20	0.23	0.00	0.14	-0.26	0.06	0.15	0.11	-0.03
20. Sei Tibun (R)	0.69	2.19	2.84	1.02	1.16	1.15	1.26	0.21	0.89	1.37	1.24	0.54
21. Petapahan (R)	-0.15	0.54	0.90	0.32	0.37	-0.33	0.10	-0.85	-0.07	0.08	-0.01	-0.23
22. Sei Tambang (R)	0.04	0.96	1.42	0.51	0.58	-0.02	0.37	-0.68	0.14	0.38	0.28	-0.06
Total	0.83	7.11	10.09	3.62	4.14	1.05	3.16	-3.26	1.61	3.33	2.66	0.19

Table VII.3.6 (12/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-6-22) Case-6 (1st Crop : Mar.16 ; 2nd Crop : Oct. 1)

(Unit : m3/sec)

Scheme Name	July		Aug		Sep		Oct		Nov.		Dec.	
	1-	2-	1-	2-	1-	2-	1-	2-	1-	2-	1-	2-
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Siang (L)	0.55	0.33	0.53	2.61	0.80	0.97	-0.54	-0.28	1.38	0.91	2.76	2.15
2. Kuok II (L)	0.18	0.10	0.13	0.62	0.19	0.23	-0.02	0.01	0.35	0.28	0.67	0.54
3. Bancah Labi (L)	-0.19	-0.06	0.04	0.18	0.05	0.07	-0.55	-0.37	0.01	-0.22	0.12	0.01
4. Pangoan (L)	0.30	0.17	0.24	1.20	0.37	0.45	-0.14	-0.05	0.65	0.48	1.28	1.02
5. Uwai (L)	-0.48	-0.12	0.19	0.92	0.28	0.34	-1.68	-1.13	0.23	-0.50	0.78	0.36
6. Telo (L)	-0.21	-0.07	0.03	0.17	0.05	0.06	-0.57	-0.39	-0.01	-0.24	0.11	0.00
7. Sei Tanang (L)	0.54	0.31	0.48	2.37	0.72	0.89	-0.40	-0.20	1.27	0.88	2.52	1.98
8. Muara Jelai (L)	-0.21	-0.06	0.05	0.26	0.08	0.10	-0.63	-0.42	0.04	-0.22	0.20	0.06
9. Pasir Jambu (L)	-0.21	-0.02	0.18	0.86	0.26	0.32	-1.05	-0.69	0.31	-0.17	0.79	0.48
10. Sasapan II (L)	-0.21	-0.04	0.12	0.57	0.17	0.21	-0.84	-0.56	0.18	-0.19	0.50	0.28
Total	0.06	0.54	1.99	9.76	2.97	3.64	-6.42	-4.08	4.41	1.01	9.73	6.88
11. Kuok I (R)	0.06	0.04	0.07	0.35	0.11	0.13	-0.11	-0.06	0.17	0.10	0.36	0.28
12. Sei Maki (R)	-0.12	-0.04	0.03	0.15	0.05	0.06	-0.39	-0.26	0.02	-0.14	0.11	0.04
13. Salo Baru (R)	-0.11	-0.03	0.04	0.18	0.06	0.07	-0.38	-0.26	0.04	-0.13	0.15	0.06
14. Salo Tg. Beliti (R)	-0.02	0.01	0.04	0.19	0.06	0.07	-0.17	-0.11	0.08	0.00	0.18	0.12
15. Bt. Bangkinang (R)	0.14	0.08	0.11	0.53	0.16	0.20	-0.07	-0.02	0.28	0.20	0.56	0.44
16. Ranah Singkuang (R)	-0.17	0.01	0.27	1.34	0.41	0.50	-1.29	-0.83	0.54	-0.08	1.28	0.84
17. Dukung Anak (R)	-0.05	0.00	0.05	0.24	0.07	0.09	-0.26	-0.17	0.08	-0.04	0.22	0.13
18. Penyesawan (R)	0.01	0.01	0.04	0.21	0.06	0.08	-0.11	-0.06	0.10	0.04	0.21	0.16
19. Sei Sirah (R)	-0.07	-0.01	0.08	0.41	0.13	0.15	-0.42	-0.28	0.16	-0.04	0.39	0.25
20. Sei Tibun (R)	0.57	0.31	0.42	2.07	0.63	0.77	-0.13	-0.01	1.14	0.88	2.23	1.79
21. Petapahan (R)	-0.35	-0.09	0.13	0.66	0.20	0.24	-1.21	-0.82	0.16	-0.37	0.55	0.25
22. Sei Tambang (R)	-0.17	-0.01	0.21	1.03	0.32	0.39	-1.07	-0.69	0.40	-0.11	0.98	0.63
Total	-0.28	0.28	1.49	7.36	2.26	2.75	-5.61	-3.57	3.17	0.31	7.22	4.99

Table VII.3.6 (13/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-7-1/2) Case-7 (1st Crop : Apr. 1 ; 2nd Crop : Oct.16)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Siam (L)	0.57	2.72	3.43	1.10	1.46	1.95	1.37	-0.17	1.01	1.60	1.57	0.36
2. Kuok II (L)	0.18	0.66	0.83	0.27	0.35	0.46	0.36	0.06	0.28	0.41	0.40	0.14
3. Bancah Labi (L)	-0.20	0.12	0.16	0.00	0.10	0.13	-0.09	-0.47	-0.08	-0.04	-0.01	-0.22
4. Pangoan (L)	0.32	1.26	1.58	0.52	0.67	0.89	0.67	0.03	0.50	0.77	0.75	0.23
5. Uwai (L)	-0.50	0.76	1.01	0.17	0.51	0.69	-0.06	-1.37	-0.07	0.10	0.21	-0.61
6. Telo (L)	-0.22	0.11	0.15	-0.01	0.09	0.13	-0.10	-0.49	-0.09	-0.06	-0.02	-0.25
7. Sei Tanang (L)	0.57	2.48	3.12	1.02	1.33	1.77	1.27	-0.07	0.95	1.49	1.45	0.38
8. Muara Jalai (L)	-0.21	0.19	0.26	0.03	0.14	0.19	-0.07	-0.53	-0.06	-0.02	0.02	-0.24
9. Pasir Jambu (L)	-0.21	0.78	1.01	0.24	0.48	0.64	0.14	-0.81	0.08	0.27	0.32	-0.31
10. Sasapan II (L)	-0.21	0.49	0.65	0.14	0.32	0.42	0.03	-0.67	0.02	0.13	0.17	-0.28
Total	0.09	9.57	12.20	3.48	5.45	7.27	3.52	-4.49	2.54	4.65	4.86	-0.80
11. Kuok I (R)	0.05	0.36	0.45	0.14	0.20	0.26	0.17	-0.06	0.12	0.21	0.20	0.03
12. Sei Maki (R)	-0.13	0.11	0.15	0.02	0.09	0.11	-0.04	-0.32	-0.04	-0.01	0.01	-0.15
13. Salo Baru (R)	-0.12	0.14	0.19	0.03	0.10	0.14	-0.02	-0.31	-0.02	0.01	0.03	-0.14
14. Salo Tg. Beiti (R)	-0.02	0.18	0.23	0.06	0.11	0.14	0.05	-0.12	0.04	0.08	0.09	-0.04
15. Bt. Bangkinang (R)	0.13	0.56	0.70	0.23	0.30	0.40	0.29	0.01	0.22	0.35	0.33	0.10
16. Ranah Singkuang (R)	-0.17	1.26	1.62	0.42	0.75	1.00	0.34	-0.97	0.23	0.51	0.57	-0.31
17. Dukung Anak (R)	-0.05	0.22	0.28	0.07	0.13	0.18	0.04	-0.20	0.03	0.08	0.10	-0.07
18. Penyesawan (R)	0.01	0.21	0.26	0.08	0.12	0.15	0.08	-0.08	0.06	0.11	0.11	0.00
19. Sei Sirah (R)	-0.07	0.38	0.49	0.12	0.23	0.31	0.09	-0.32	0.07	0.15	0.17	-0.11
20. Sei Tibun (R)	0.59	2.19	2.75	0.92	1.16	1.55	1.19	0.13	0.89	1.37	1.32	0.43
21. Petapahan (R)	-0.36	0.54	0.72	0.12	0.37	0.49	-0.04	-1.00	-0.06	0.07	0.15	-0.45
22. Sei Tambang (R)	-0.16	0.96	1.24	0.32	0.58	0.77	0.23	-0.82	0.15	0.37	0.43	-0.27
Total	-0.30	7.11	9.08	2.53	4.14	5.50	2.38	-4.06	1.69	3.30	3.51	-0.98

Table VII.3.6 (14/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-7-2/2) Case-7 (1st Crop : Apr. 1 ; 2nd Crop : Oct.16)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	0.34	-0.04	0.35	2.61	0.80	0.97	0.71	-0.41	1.23	0.92	2.76	2.32
2. Kuok II (L)	0.15	0.05	0.10	0.62	0.19	0.23	0.17	-0.01	0.33	0.28	0.67	0.57
3. Bancah Labi (L)	-0.29	-0.23	-0.05	0.18	0.05	0.07	0.05	-0.43	-0.06	-0.21	0.12	0.09
4. Pangoan (L)	0.23	0.03	0.17	1.20	0.37	0.45	0.32	-0.10	0.60	0.49	1.28	1.08
5. Uwai (L)	-0.80	-0.69	-0.09	0.92	0.28	0.34	0.25	-1.34	0.01	-0.48	0.78	0.62
6. Telo (L)	-0.31	-0.25	-0.06	0.17	0.05	0.06	0.05	-0.45	-0.08	-0.23	0.11	0.08
7. Sei Tanang (L)	0.37	0.00	0.33	2.37	0.72	0.89	0.64	-0.31	1.15	0.89	2.52	2.11
8. Muara Jalai (L)	-0.32	-0.27	-0.05	0.26	0.08	0.10	0.07	-0.50	-0.04	-0.22	0.20	0.15
9. Pasir Jambu (L)	-0.42	-0.40	0.00	0.86	0.26	0.32	0.23	-0.82	0.16	-0.16	0.79	0.65
10. Sasapan II (L)	-0.37	-0.33	-0.02	0.57	0.17	0.21	0.15	-0.66	0.07	-0.18	0.50	0.41
Total	-1.42	-2.13	0.68	9.76	2.97	3.64	2.64	-5.03	3.37	1.10	9.73	8.08
11. Kuok I (R)	0.02	-0.03	0.04	0.35	0.11	0.13	0.10	-0.09	0.15	0.10	0.36	0.30
12. Sei Maki (R)	-0.19	-0.16	-0.03	0.15	0.05	0.06	0.04	-0.31	-0.03	-0.14	0.11	0.09
13. Salo Baru (R)	-0.19	-0.16	-0.02	0.18	0.06	0.07	0.05	-0.30	-0.01	-0.12	0.15	0.11
14. Salo Tg. Beiti (R)	-0.05	-0.06	0.01	0.19	0.06	0.07	0.05	-0.13	0.06	0.00	0.18	0.15
15. Bt. Bangkinang (R)	0.10	0.01	0.08	0.53	0.16	0.20	0.14	-0.05	0.26	0.21	0.56	0.47
16. Ranah Singkuang (R)	-0.45	-0.48	0.03	1.34	0.41	0.50	0.36	-1.01	0.35	-0.06	1.28	1.05
17. Dukung Anak (R)	-0.10	-0.10	0.00	0.24	0.07	0.09	0.06	-0.21	0.05	-0.03	0.22	0.18
18. Penyesawan (R)	-0.01	-0.04	0.02	0.21	0.06	0.08	0.06	-0.08	0.08	0.04	0.21	0.18
19. Sei Sirah (R)	-0.16	-0.16	0.00	0.41	0.13	0.15	0.11	-0.33	0.10	-0.04	0.39	0.32
20. Sei Tibun (R)	0.46	0.11	0.32	2.07	0.63	0.77	0.56	-0.09	1.06	0.89	2.23	1.88
21. Petapahan (R)	-0.58	-0.51	-0.07	0.66	0.20	0.24	0.18	-0.97	0.00	-0.35	0.55	0.44
22. Sei Tambang (R)	-0.39	-0.41	0.02	1.03	0.32	0.39	0.28	-0.84	0.24	-0.09	0.98	0.80
Total	-1.54	-1.99	0.40	7.36	2.26	2.75	1.99	-4.41	2.31	0.41	7.22	5.97

Table VII.3.6 (15/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(A-8-1/2) Case-8 (1st Crop : Apr.16 ; 2nd Crop : Nov. 1)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	0.71	2.55	3.43	0.75	1.42	1.95	1.82	-0.30	0.88	1.62	1.57	0.50
2. Kuok II (L)	0.20	0.63	0.83	0.22	0.34	0.46	0.43	0.04	0.26	0.41	0.40	0.16
3. Bancah Labi (L)	-0.13	0.04	0.16	-0.16	0.08	0.13	0.12	-0.53	-0.15	-0.04	-0.01	-0.16
4. Pangoan (L)	0.37	1.20	1.58	0.40	0.65	0.89	0.83	-0.02	0.45	0.77	0.74	0.28
5. Uwai (L)	-0.29	0.50	1.01	-0.37	0.44	0.69	0.64	-1.58	-0.28	0.13	0.20	-0.39
6. Telo (L)	-0.15	0.03	0.15	-0.18	0.07	0.13	0.12	-0.55	-0.15	-0.05	-0.03	-0.17
7. Sei Tanang (L)	0.68	2.35	3.12	0.73	1.29	1.77	1.65	-0.18	0.84	1.50	1.45	0.50
8. Muara Jalai (L)	-0.14	0.10	0.26	-0.17	0.12	0.19	0.18	-0.60	-0.14	-0.01	0.02	-0.16
9. Pasir Jambu (L)	-0.07	0.61	1.01	-0.12	0.44	0.64	0.60	-0.95	-0.05	0.28	0.31	-0.16
10. Sasapan II (L)	-0.10	0.36	0.65	-0.14	0.29	0.42	0.39	-0.78	-0.09	0.14	0.17	-0.16
Total	1.08	8.37	12.20	0.96	5.14	7.27	6.78	-5.45	1.57	4.75	4.82	0.24
11. Kuok I (R)	0.08	0.34	0.45	0.08	0.19	0.26	0.24	-0.09	0.10	0.21	0.20	0.05
12. Sei Maki (R)	-0.08	0.06	0.15	-0.10	0.08	0.11	0.11	-0.37	-0.09	-0.01	0.01	-0.10
13. Salo Baru (R)	-0.07	0.09	0.19	-0.09	0.09	0.14	0.13	-0.36	-0.07	0.01	0.03	-0.09
14. Salo Tg. Belit (R)	0.00	0.15	0.23	0.00	0.10	0.14	0.13	-0.14	0.01	0.09	0.09	-0.01
15. Bt. Bangkinang (R)	0.16	0.53	0.70	0.17	0.29	0.40	0.37	-0.02	0.20	0.35	0.33	0.12
16. Ranah Singkuang (R)	0.01	1.05	1.62	-0.04	0.69	1.00	0.93	-1.15	0.05	0.53	0.56	-0.12
17. Dukung Anak (R)	-0.01	0.17	0.28	-0.02	0.12	0.18	0.16	-0.24	-0.01	0.08	0.09	-0.03
18. Penyesawan (R)	0.03	0.19	0.26	0.03	0.11	0.15	0.14	-0.09	0.04	0.11	0.11	0.02
19. Sei Sirah (R)	-0.01	0.31	0.49	-0.03	0.21	0.31	0.28	-0.38	0.01	0.15	0.16	-0.05
20. Sei Tibun (R)	0.67	2.10	2.75	0.73	1.14	1.55	1.44	0.06	0.82	1.38	1.32	0.51
21. Petapahan (R)	-0.20	0.35	0.72	-0.27	0.32	0.49	0.46	-1.15	-0.21	0.09	0.14	-0.29
22. Sei Tambang (R)	-0.02	0.79	1.24	-0.06	0.53	0.77	0.72	-0.96	0.01	0.39	0.42	-0.12
Total	0.56	6.13	9.08	0.40	3.87	5.50	5.11	-4.89	0.86	3.38	3.46	-0.11

Table VII.3.6 (16/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(Unit: m³/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Sei Silam (L)	0.15	-0.25	0.00	2.61	0.80	0.97	0.71	0.58	1.10	0.78	2.92	2.32
2. Kuok II (L)	0.12	0.01	0.05	0.62	0.19	0.23	0.17	0.14	0.31	0.26	0.69	0.57
3. Bancah Labi (L)	-0.38	-0.34	-0.22	0.18	0.05	0.07	0.05	0.04	-0.13	-0.28	0.20	0.09
4. Pangoan (L)	0.16	-0.05	0.04	1.20	0.37	0.45	0.32	0.26	0.55	0.44	1.34	1.08
5. Uwai (L)	-1.09	-1.03	-0.64	0.92	0.28	0.34	0.25	0.20	-0.20	-0.69	1.03	0.62
6. Telo (L)	-0.41	-0.36	-0.24	0.17	0.05	0.06	0.05	0.04	-0.14	-0.30	0.19	0.08
7. Sei Tanang (L)	0.21	-0.18	0.03	2.37	0.72	0.89	0.64	0.52	1.04	0.78	2.66	2.11
8. Muara Jalai (L)	-0.43	-0.39	-0.25	0.26	0.08	0.10	0.07	0.06	-0.12	-0.29	0.29	0.15
9. Pasir Jambu (L)	-0.61	-0.62	-0.37	0.86	0.26	0.32	0.23	0.19	0.03	-0.29	0.96	0.65
10. Sasapan II (L)	-0.52	-0.50	-0.30	0.57	0.17	0.21	0.15	0.12	-0.04	-0.29	0.63	0.41
Total	-2.80	-3.71	-1.90	9.76	2.97	3.64	2.64	2.15	2.40	0.12	10.91	8.08
11. Kuok I (R)	-0.01	-0.06	-0.02	0.35	0.11	0.13	0.10	0.08	0.13	0.08	0.39	0.30
12. Sei Maki (R)	-0.26	-0.24	-0.15	0.15	0.05	0.06	0.04	0.03	-0.08	-0.18	0.17	0.09
13. Salo Baru (R)	-0.25	-0.23	-0.14	0.18	0.06	0.07	0.05	0.04	-0.06	-0.17	0.21	0.11
14. Salo Ig. Belliti (R)	-0.09	-0.10	-0.05	0.19	0.06	0.07	0.05	0.04	-0.03	-0.02	0.21	0.15
15. Bt. Bangkinang (R)	0.07	-0.02	0.02	0.53	0.16	0.20	0.14	0.12	0.24	0.18	0.59	0.47
16. Ranah Singkuang (R)	-0.69	-0.77	-0.44	1.34	0.41	0.50	0.36	0.30	0.17	-0.24	1.50	1.05
17. Dukung Anak (R)	-0.15	-0.15	-0.09	0.24	0.07	0.09	0.06	0.05	0.01	-0.07	0.26	0.18
18. Penyesawan (R)	-0.04	-0.06	-0.03	0.21	0.06	0.08	0.06	0.05	0.06	0.02	0.23	0.18
19. Sei Sirah (R)	-0.24	-0.26	-0.15	0.41	0.13	0.15	0.11	0.09	0.04	-0.09	0.46	0.32
20. Sei Tibun (R)	0.35	-0.01	0.13	2.07	0.63	0.77	0.56	0.46	0.99	0.82	2.32	1.88
21. Petapahan (R)	-0.79	-0.75	-0.47	0.66	0.20	0.24	0.18	0.14	-0.15	-0.50	0.73	0.44
22. Sei Tambang (R)	-0.59	-0.64	-0.37	1.03	0.32	0.39	0.28	0.23	0.10	-0.24	1.16	0.80
Total	-2.69	-3.29	-1.76	7.36	2.26	2.75	1.99	1.63	1.48	-0.41	8.23	5.97

Table VII.3.6 (17/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

B. Lubuk Jambi Irrigation Development Project

(B-1-1/2) Case-1 (1st Crop : Feb.16 ; 2nd Crop : Sep. 1)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.77	0.42	0.27	-0.10	0.56	0.44	0.18	0.94	0.94	0.02	0.07	0.08
2. Lb. Ambacang I (L)	1.24	0.68	0.43	-0.16	0.90	0.72	0.29	1.51	1.51	0.03	0.10	0.13
3. Gunung (L)	0.53	0.29	0.19	-0.07	0.39	0.31	0.12	0.65	0.64	0.01	0.05	0.05
4. Petapahan Toar (L)	1.34	0.74	0.47	-0.08	0.98	0.79	0.35	1.64	1.64	0.10	0.14	0.16
5. Sei Jering (L)	0.42	0.23	0.15	-0.08	0.31	0.24	0.10	0.51	0.51	0.00	0.03	0.05
6. Sentajo I (L)	0.85	0.47	0.29	0.06	0.62	0.53	0.26	1.04	1.07	0.15	0.13	0.12
7. Sentajo II (L)	1.07	0.59	0.37	-0.32	0.78	0.57	0.20	1.27	1.26	-0.11	0.02	0.09
8. Simandolak (L)	7.24	3.99	2.52	-2.73	5.27	3.67	1.18	8.59	8.39	-1.14	-0.04	0.50
9. Pauh Pangean (L)	8.70	4.79	3.03	0.41	6.36	5.43	2.57	10.75	10.95	1.33	1.26	1.23
10. Baserah II (L)	1.32	0.73	0.46	-0.38	0.96	0.70	0.25	1.57	1.56	-0.12	0.04	0.11
11. Baserah I (L)	2.85	1.57	0.99	0.17	2.08	1.79	0.85	3.52	3.59	0.46	0.42	0.41
12. Rw. Ambacang (L)	1.96	1.08	0.68	-0.69	1.42	1.01	0.33	2.32	2.28	-0.28	0.00	0.14
Total	28.29	15.58	9.85	-3.97	20.63	16.20	6.68	34.31	34.34	0.45	2.22	3.07
13. Kinali (R)	0.58	0.32	0.20	-0.19	0.42	0.30	0.10	0.69	0.68	-0.07	0.00	0.04
14. Seb Gunung (R)	1.84	1.01	0.64	-0.47	1.34	0.99	0.37	2.20	2.18	-0.13	0.07	0.16
15. Seb. Taluk II (R)	0.28	0.15	0.10	-0.54	0.20	0.02	-0.09	0.28	0.22	-0.37	-0.16	-0.06
16. Sei Paing (R)	1.42	0.78	0.50	-0.56	1.04	0.72	0.22	1.69	1.64	-0.24	-0.01	0.09
17. Sei Sarik (R)	0.55	0.30	0.19	-0.31	0.40	0.25	0.06	0.63	0.61	-0.16	-0.04	0.02
18. Rumbio Taluk (R)	3.47	1.91	1.21	0.02	2.54	2.13	0.98	4.27	4.34	0.42	0.45	0.47
19. Rawang Udaang (R)	0.22	0.12	0.08	-0.21	0.16	0.07	-0.01	0.24	0.22	-0.13	-0.05	-0.01
20. Danau Koto Rajo (R)	0.93	0.51	0.33	-0.73	0.68	0.37	0.03	1.07	0.99	-0.43	-0.14	0.00
Total	9.29	5.10	3.25	-2.99	6.78	4.85	1.66	11.07	10.88	-1.11	0.12	0.71

(Unit : m3/sec)

Table VII.3.6 (18/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-1-2/2) Case-1 (1st Crop : Feb.16 ; 2nd Crop : Sep. 1)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.13	0.18	0.09	0.08	-0.03	0.49	0.64	0.66	0.42	0.78	1.00	0.43
2. Lb. Ambacang I (L)	0.21	0.29	0.14	0.13	-0.05	0.78	1.02	1.06	0.68	1.26	1.60	0.68
3. Gunung (L)	0.09	0.13	0.06	0.05	-0.03	0.34	0.44	0.45	0.29	0.54	0.69	0.29
4. Petapahan Toar (L)	0.23	0.32	0.15	0.14	0.01	0.85	1.11	1.16	0.77	1.37	1.74	0.75
5. Sei Jering (L)	0.07	0.10	0.05	0.04	-0.03	0.27	0.35	0.36	0.22	0.43	0.54	0.23
6. Sentajo I (L)	0.14	0.20	0.10	0.09	0.09	0.54	0.71	0.74	0.54	0.90	1.11	0.50
7. Sentajo II (L)	0.18	0.25	0.12	0.11	-0.16	0.67	0.87	0.89	0.51	1.04	1.36	0.55
8. Simandolak (L)	1.22	1.71	0.81	0.73	-1.51	4.56	5.90	5.98	3.19	6.92	9.16	3.61
9. Pauh Pangean (L)	1.47	2.05	0.98	0.88	0.77	5.55	7.28	7.62	5.41	9.19	11.44	5.10
10. Baserah II (L)	0.22	0.31	0.15	0.13	-0.19	0.83	1.08	1.10	0.63	1.29	1.68	0.68
11. Baserah I (L)	0.48	0.67	0.32	0.29	0.27	1.81	2.39	2.50	1.78	3.01	3.75	1.68
12. Rw. Ambacang (L)	0.33	0.46	0.22	0.20	-0.38	1.23	1.59	1.62	0.88	1.88	2.48	0.98
Total	4.77	6.67	3.19	2.87	-1.24	17.92	23.38	24.14	15.32	28.61	36.55	15.48
13. Kinaili (R)	0.10	0.14	0.07	0.06	-0.10	0.36	0.47	0.48	0.26	0.56	0.74	0.29
14. Seb Gunung (R)	0.31	0.43	0.21	0.19	-0.23	1.16	1.51	1.54	0.90	1.81	2.35	0.95
15. Seb. Taluk II (R)	0.05	0.07	0.03	0.03	-0.37	0.17	0.20	0.18	-0.07	0.16	0.30	0.05
16. Sei Paing (R)	0.24	0.34	0.16	0.14	-0.32	0.89	1.16	1.17	0.61	1.36	1.80	0.70
17. Sei Sarik (R)	0.09	0.13	0.06	0.06	-0.18	0.34	0.44	0.43	0.20	0.50	0.67	0.25
18. Rumbio Taluk (R)	0.59	0.82	0.39	0.35	0.21	2.21	2.90	3.02	2.09	3.63	4.54	2.01
19. Rawang Udang (R)	0.04	0.05	0.02	0.02	-0.14	0.14	0.17	0.16	0.04	0.17	0.26	0.08
20. Danau Koto Rajo (R)	0.16	0.22	0.11	0.09	-0.46	0.58	0.74	0.73	0.25	0.80	1.14	0.39
Total	1.58	2.20	1.05	0.94	-1.59	5.85	7.59	7.71	4.28	8.99	11.80	4.72

Table VII.3.6 (19/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.75	0.35	0.16	-0.07	0.54	0.42	0.19	0.94	0.99	0.17	0.14	0.12
2. Lb. Ambacang I (L)	1.21	0.56	0.26	-0.10	0.86	0.68	0.31	1.51	1.59	0.28	0.22	0.19
3. Gunung (L)	0.52	0.24	0.11	-0.05	0.37	0.29	0.13	0.65	0.68	0.12	0.10	0.08
4. Petapahan Toar (L)	1.31	0.64	0.33	-0.03	0.95	0.76	0.37	1.64	1.71	0.30	0.24	0.21
5. Sei Jerjing (L)	0.41	0.18	0.08	-0.06	0.29	0.23	0.10	0.51	0.54	0.10	0.08	0.07
6. Sentajo I (L)	0.84	0.45	0.26	0.07	0.61	0.53	0.26	1.04	1.08	0.19	0.15	0.13
7. Sentajo II (L)	1.02	0.42	0.13	-0.24	0.72	0.52	0.22	1.27	1.37	0.24	0.19	0.17
8. Simandolak (L)	6.87	2.65	0.60	-2.10	4.84	3.27	1.35	8.59	9.28	1.63	1.30	1.14
9. Pauh Pangean (L)	8.62	4.49	2.60	0.56	6.26	5.34	2.61	10.75	11.15	1.96	1.56	1.37
10. Baserah II (L)	1.26	0.53	0.17	-0.29	0.89	0.64	0.28	1.57	1.69	0.30	0.24	0.21
11. Baserah I (L)	2.83	1.48	0.86	0.21	2.05	1.76	0.86	3.52	3.65	0.64	0.51	0.45
12. Rw. Ambacang (L)	1.86	0.73	0.18	-0.53	1.31	0.90	0.38	2.32	2.51	0.44	0.35	0.31
Total	27.50	12.72	5.74	-2.63	19.69	15.34	7.06	34.31	36.24	6.37	5.08	4.45
13. Kinaili (R)	0.55	0.22	0.06	-0.15	0.39	0.27	0.12	0.69	0.74	0.13	0.10	0.09
14. Seb Gunung (R)	1.77	0.75	0.26	-0.35	1.25	0.91	0.40	2.20	2.35	0.41	0.33	0.29
15. Seb. Taluk II (R)	0.22	-0.06	-0.20	-0.45	0.13	-0.04	-0.06	0.28	0.36	0.06	0.05	0.04
16. Sei Paing (R)	1.34	0.51	0.11	-0.43	0.95	0.63	0.25	1.69	1.82	0.32	0.26	0.22
17. Sei Sarik (R)	0.51	0.16	-0.01	-0.24	0.35	0.21	0.08	0.63	0.70	0.12	0.10	0.09
18. Rumbio Taluk (R)	3.42	1.74	0.96	0.10	2.48	2.07	1.00	4.27	4.45	0.78	0.62	0.55
19. Rawang Udang (R)	0.20	0.03	-0.04	-0.17	0.13	0.05	0.01	0.24	0.28	0.05	0.04	0.03
20. Danau Koto Rajo (R)	0.85	0.20	-0.11	-0.59	0.58	0.28	0.07	1.07	1.20	0.21	0.17	0.15
Total	8.86	3.55	1.03	-2.28	6.26	4.38	1.87	11.07	11.90	2.08	1.67	1.46

Table VII.3.6 (20/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.13	0.03	-0.11	-0.09	0.01	0.47	0.60	0.66	0.45	0.83	1.02	0.47
2. Lb. Ambacang I (L)	0.21	0.05	-0.19	-0.14	0.02	0.75	0.96	1.06	0.72	1.34	1.64	0.75
3. Gunung (L)	0.09	0.02	-0.09	-0.07	0.00	0.32	0.41	0.45	0.31	0.58	0.71	0.32
4. Petapahan Toar (L)	0.23	0.12	-0.12	-0.08	0.07	0.83	1.06	1.16	0.81	1.44	1.77	0.81
5. Sei Jering (L)	0.07	0.00	-0.09	-0.07	0.00	0.25	0.33	0.36	0.24	0.46	0.56	0.26
6. Sentajo I (L)	0.14	0.16	0.04	0.04	0.10	0.53	0.70	0.74	0.54	0.91	1.12	0.51
7. Sentajo II (L)	0.18	-0.08	-0.34	-0.27	-0.07	0.62	0.79	0.89	0.57	1.15	1.42	0.65
8. Simandolak (L)	1.22	-0.94	-2.83	-2.29	-0.80	4.19	5.22	5.98	3.72	7.81	9.61	4.40
9. Pauh Pangean (L)	1.47	1.45	0.16	0.20	0.93	5.47	7.13	7.62	5.52	9.39	11.54	5.28
10. Baserah II (L)	0.22	-0.09	-0.40	-0.33	-0.08	0.77	0.98	1.10	0.71	1.42	1.75	0.80
11. Baserah I (L)	0.48	0.49	0.08	0.09	0.32	1.79	2.34	2.50	1.82	3.07	3.78	1.73
12. Rw. Ambacang (L)	0.33	-0.23	-0.72	-0.58	-0.19	1.13	1.42	1.62	1.02	2.11	2.60	1.19
Total	4.77	0.98	-4.61	-3.59	0.31	17.12	21.94	24.14	16.43	30.51	37.52	17.17
13. Kinall (R)	0.10	-0.05	-0.19	-0.16	-0.05	0.34	0.43	0.48	0.30	0.62	0.77	0.35
14. Seb Gunung (R)	0.31	-0.09	-0.50	-0.40	-0.09	1.09	1.38	1.54	1.01	1.98	2.44	1.11
15. Seb. Taluk II (R)	0.05	-0.34	-0.53	-0.43	-0.26	0.11	0.09	0.18	0.01	0.30	0.37	0.17
16. Sei Paing (R)	0.24	-0.20	-0.58	-0.48	-0.18	0.82	1.02	1.17	0.72	1.54	1.89	0.86
17. Sei Sarik (R)	0.09	-0.14	-0.31	-0.25	-0.11	0.30	0.37	0.43	0.25	0.59	0.72	0.33
18. Rumbio Taluk (R)	0.59	0.48	-0.08	-0.04	0.30	2.16	2.82	3.02	2.16	3.74	4.60	2.11
19. Rawang Undang (R)	0.04	-0.12	-0.21	-0.17	-0.09	0.11	0.12	0.16	0.07	0.23	0.29	0.13
20. Danau Koto Rajo (R)	0.16	-0.39	-0.73	-0.61	-0.30	0.50	0.58	0.73	0.37	1.01	1.24	0.57
Total	1.58	-0.85	-3.13	-2.54	-0.78	5.43	6.81	7.71	4.89	10.01	12.32	5.63

Table VII.3.6 (21/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-3-1/2) Case-3 (1st Crop : Jan.16 ; 2nd Crop : Aug. 1)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.77	0.32	0.14	-0.06	0.54	0.44	0.16	0.94	0.97	0.13	0.14	0.12
2. Lb. Ambacang I (L)	1.24	0.53	0.23	-0.10	0.86	0.71	0.26	1.51	1.55	0.21	0.22	0.19
3. Gunung (L)	0.53	0.22	0.10	-0.04	0.37	0.31	0.11	0.65	0.66	0.09	0.10	0.08
4. Petapahan Toar (L)	1.34	0.61	0.30	-0.03	0.95	0.79	0.33	1.64	1.68	0.24	0.24	0.21
5. Sei Jering (L)	0.42	0.17	0.07	-0.05	0.29	0.24	0.08	0.51	0.52	0.07	0.08	0.07
6. Sentajo I (L)	0.85	0.44	0.25	0.07	0.61	0.53	0.26	1.04	1.07	0.18	0.15	0.13
7. Sentajo II (L)	1.07	0.38	0.08	-0.23	0.72	0.56	0.16	1.27	1.31	0.15	0.19	0.17
8. Simandolak (L)	7.24	2.29	0.24	-2.02	4.84	3.64	0.83	8.59	8.83	0.87	1.30	1.14
9. Pauh Pangean (L)	6.70	4.40	2.51	0.57	6.26	5.42	2.49	10.75	11.05	1.79	1.56	1.37
10. Baserah II (L)	1.32	0.47	0.11	-0.28	0.89	0.70	0.20	1.57	1.62	0.19	0.24	0.21
11. Baserah I (L)	2.85	1.46	0.84	0.22	2.05	1.79	0.83	3.52	3.62	0.59	0.51	0.45
12. Rw. Ambacang (L)	1.96	0.64	0.09	-0.51	1.31	1.00	0.24	2.32	2.39	0.24	0.35	0.31
Total	28.29	11.93	4.96	-2.46	19.69	16.13	5.95	34.31	35.27	4.75	5.08	4.45
13. Kinali (R)	0.58	0.20	0.03	-0.14	0.39	0.30	0.08	0.69	0.71	0.08	0.10	0.09
14. Seb Gunung (R)	1.84	0.68	0.19	-0.33	1.25	0.99	0.30	2.20	2.26	0.26	0.33	0.29
15. Seb. Taluk II (R)	0.28	-0.11	-0.25	-0.43	0.13	0.01	-0.15	0.28	0.29	-0.06	0.05	0.04
16. Sei Paing (R)	1.42	0.43	0.03	-0.42	0.95	0.71	0.15	1.69	1.73	0.17	0.26	0.22
17. Sei Sarik (R)	0.55	0.13	-0.04	-0.23	0.35	0.25	0.02	0.63	0.65	0.04	0.10	0.09
18. Rumbio Taluk (R)	3.47	1.69	0.92	0.11	2.48	2.12	0.93	4.27	4.39	0.68	0.62	0.55
19. Rawang Udang (R)	0.22	0.01	-0.07	-0.17	0.13	0.07	-0.03	0.24	0.25	0.00	0.04	0.03
20. Danau Koto Rajo (R)	0.93	0.12	-0.20	-0.57	0.58	0.36	-0.05	1.07	1.10	0.04	0.17	0.15
Total	9.29	3.15	0.61	-2.18	6.26	4.81	1.25	11.07	11.38	1.21	1.67	1.46

Table VII.3.6 (22/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-3-2/2) Case-3 (1st Crop : Jan.16 ; 2nd Crop : Aug. 1)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.13	0.18	-0.13	-0.11	0.01	0.47	0.63	0.63	0.43	0.81	1.02	0.47
2. Lb. Ambacang I (L)	0.21	0.29	-0.22	-0.17	0.02	0.75	1.00	1.02	0.69	1.30	1.64	0.75
3. Gunung (L)	0.09	0.13	-0.10	-0.09	0.00	0.32	0.43	0.43	0.29	0.56	0.71	0.32
4. Petapahan Toar (L)	0.23	0.32	-0.14	-0.11	0.07	0.83	1.10	1.12	0.78	1.41	1.77	0.81
5. Sei Jering (L)	0.07	0.10	-0.10	-0.09	0.00	0.25	0.34	0.35	0.23	0.44	0.56	0.26
6. Sentajo I (L)	0.14	0.20	0.04	0.04	0.10	0.53	0.70	0.74	0.54	0.90	1.12	0.51
7. Sentajo II (L)	0.18	0.25	-0.38	-0.32	-0.07	0.62	0.84	0.84	0.53	1.09	1.42	0.65
8. Simandolak (L)	1.22	1.71	-3.18	-2.66	-0.76	4.19	5.66	5.54	3.35	7.36	9.61	4.40
9. Pauh Pangean (L)	1.47	2.05	0.08	0.11	0.94	5.47	7.23	7.52	5.44	9.29	11.54	5.28
10. Baserah II (L)	0.22	0.31	-0.45	-0.38	-0.08	0.77	1.04	1.04	0.65	1.35	1.75	0.80
11. Baserah I (L)	0.48	0.67	0.06	0.07	0.32	1.79	2.37	2.47	1.79	3.04	3.78	1.73
12. Rw. Ambacang (L)	0.33	0.46	-0.81	-0.68	-0.18	1.13	1.53	1.51	0.92	1.99	2.60	1.19
Total	4.77	6.67	-5.33	-4.39	0.37	17.12	22.87	23.21	15.64	29.54	37.52	17.17
13. Kinali (R)	0.10	0.14	-0.22	-0.19	-0.05	0.34	0.46	0.45	0.27	0.59	0.77	0.35
14. Seb Gunung (R)	0.31	0.43	-0.57	-0.48	-0.08	1.09	1.46	1.46	0.93	1.89	2.44	1.11
15. Seb. Taluk II (R)	0.05	0.07	-0.58	-0.49	-0.25	0.11	0.16	0.11	-0.04	0.23	0.37	0.17
16. Sei Paing (R)	0.24	0.34	-0.65	-0.55	-0.17	0.82	1.11	1.08	0.64	1.45	1.89	0.86
17. Sei Sarik (R)	0.09	0.13	-0.35	-0.29	-0.10	0.30	0.41	0.39	0.21	0.54	0.72	0.33
18. Rumbio Taluk (R)	0.59	0.82	-0.12	-0.09	0.31	2.16	2.87	2.97	2.11	3.68	4.60	2.11
19. Rawang Udang (R)	0.04	0.05	-0.24	-0.20	-0.09	0.11	0.15	0.13	0.05	0.20	0.29	0.13
20. Danau Koto Rajo (R)	0.16	0.22	-0.81	-0.69	-0.29	0.50	0.69	0.62	0.29	0.91	1.24	0.57
Total	1.58	2.20	-3.54	-2.98	-0.72	5.43	7.31	7.21	4.46	9.49	12.32	5.63

Table VII.3.6 (23/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-4-1/2) Case-4 (1st Crop : Feb. 1 ; 2nd Crop : Aug.16)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.77	0.42	0.12	-0.08	0.56	0.44	0.19	0.91	0.97	0.06	0.12	0.12
2. Lb. Ambacang I (L)	1.24	0.68	0.19	-0.13	0.90	0.71	0.30	1.47	1.55	0.10	0.18	0.19
3. Gunung (L)	0.53	0.29	0.08	-0.06	0.39	0.31	0.12	0.63	0.66	0.04	0.08	0.08
4. Petapahan Toar (L)	1.34	0.74	0.27	-0.05	0.98	0.79	0.35	1.60	1.68	0.15	0.21	0.21
5. Sei Jering (L)	0.42	0.23	0.05	-0.07	0.31	0.24	0.10	0.50	0.52	0.03	0.06	0.07
6. Sentajo I (L)	0.85	0.47	0.25	0.07	0.62	0.53	0.26	1.04	1.07	0.16	0.14	0.13
7. Sentajo II (L)	1.07	0.59	0.04	-0.27	0.78	0.56	0.20	1.22	1.31	-0.01	0.13	0.17
8. Simandolak (L)	7.24	3.99	-0.13	-2.39	5.27	3.62	1.20	8.15	8.83	-0.34	0.85	1.14
9. Pauh Pangean (L)	8.70	4.79	2.43	0.49	6.36	5.42	2.58	10.65	11.05	1.51	1.46	1.37
10. Baserah II (L)	1.32	0.73	0.06	-0.33	0.96	0.69	0.25	1.51	1.62	0.00	0.17	0.21
11. Baserah I (L)	2.85	1.57	0.81	0.19	2.08	1.79	0.85	3.49	3.62	0.51	0.48	0.45
12. Rw. Ambacang (L)	1.96	1.08	-0.01	-0.60	1.42	0.99	0.34	2.21	2.39	-0.07	0.23	0.31
Total	28.29	15.58	4.16	-3.23	20.63	16.09	6.74	33.38	35.27	2.14	4.11	4.45
13. Kinail (R)	0.58	0.32	0.01	-0.17	0.42	0.30	0.11	0.66	0.71	-0.01	0.07	0.09
14. Seb Gunung (R)	1.84	1.01	0.12	-0.41	1.34	0.98	0.37	2.12	2.26	0.02	0.24	0.29
15. Seb. Taluk II (R)	0.28	0.15	-0.31	-0.49	0.20	0.01	-0.09	0.21	0.29	-0.24	-0.02	0.04
16. Sei Paing (R)	1.42	0.78	-0.04	-0.49	1.04	0.70	0.22	1.60	1.73	-0.08	0.17	0.22
17. Sei Sarik (R)	0.55	0.30	-0.08	-0.27	0.40	0.25	0.06	0.59	0.65	-0.08	0.05	0.09
18. Rumbio Taluk (R)	3.47	1.91	0.87	0.07	2.54	2.12	0.98	4.22	4.39	0.53	0.56	0.55
19. Rawang Udang (R)	0.22	0.12	-0.09	-0.19	0.16	0.07	0.00	0.21	0.25	-0.08	0.01	0.03
20. Danau Koto Rajo (R)	0.93	0.51	-0.28	-0.65	0.68	0.36	0.03	0.96	1.10	-0.24	0.07	0.15
Total	9.29	5.10	0.20	-2.60	6.78	4.79	1.68	10.57	11.38	-0.18	1.15	1.46

Table VII.3.6 (24/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-4-2/2) Case-4 (1st Crop : Feb. 1, 2nd Crop : Aug. 16)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.13	0.18	0.09	-0.13	-0.01	0.49	0.63	0.66	0.40	0.81	1.00	0.46
2. Lb. Ambacang I (L)	0.21	0.29	0.14	-0.21	-0.01	0.79	1.00	1.06	0.64	1.30	1.60	0.73
3. Gunung (L)	0.09	0.13	0.06	-0.10	-0.01	0.34	0.43	0.45	0.27	0.56	0.69	0.31
4. Petapahan Toar (L)	0.23	0.32	0.15	-0.14	0.04	0.86	1.10	1.16	0.74	1.41	1.74	0.80
5. Sei Jering (L)	0.07	0.10	0.05	-0.10	-0.01	0.27	0.34	0.36	0.21	0.44	0.54	0.25
6. Sentajo I (L)	0.14	0.20	0.10	0.03	0.09	0.54	0.70	0.74	0.53	0.90	1.11	0.51
7. Sentajo II (L)	0.18	0.25	0.12	-0.36	-0.12	0.68	0.84	0.89	0.46	1.09	1.36	0.63
8. Simandolak (L)	1.22	1.71	0.81	-3.03	-1.14	4.60	5.66	5.98	2.83	7.36	9.16	4.23
9. Pauh Pangean (L)	1.47	2.05	0.98	0.03	0.85	5.56	7.23	7.62	5.32	9.29	11.44	5.24
10. Baserah II (L)	0.22	0.31	0.15	-0.44	-0.14	0.83	1.04	1.10	0.57	1.35	1.68	0.77
11. Baserah I (L)	0.48	0.67	0.32	0.04	0.30	1.82	2.37	2.50	1.76	3.04	3.75	1.72
12. Rw. Ambacang (L)	0.33	0.46	0.22	-0.77	-0.28	1.24	1.53	1.62	0.79	1.99	2.48	1.14
Total	4.77	6.67	3.19	-5.18	-0.44	18.02	22.87	24.14	14.52	29.54	36.55	16.79
13. Kinail (R)	0.10	0.14	0.07	-0.21	-0.08	0.37	0.46	0.48	0.24	0.59	0.74	0.34
14. Seb Gunung (R)	0.31	0.43	0.21	-0.55	-0.16	1.17	1.46	1.54	0.83	1.89	2.35	1.08
15. Seb Taluk II (R)	0.05	0.07	0.03	-0.55	-0.31	0.17	0.16	0.18	-0.12	0.23	0.30	0.14
16. Sei Paing (R)	0.24	0.34	0.16	-0.63	-0.25	0.90	1.11	1.17	0.54	1.45	1.80	0.82
17. Sei Sarik (R)	0.09	0.13	0.06	-0.32	-0.14	0.35	0.41	0.43	0.16	0.54	0.67	0.31
18. Rumbio Taluk (R)	0.59	0.82	0.39	-0.13	0.26	2.22	2.87	3.02	2.05	3.68	4.54	2.09
19. Rawang Uchang (R)	0.04	0.05	0.02	-0.22	-0.12	0.14	0.15	0.16	0.01	0.20	0.26	0.12
20. Danau Koto Rajo (R)	0.16	0.22	0.11	-0.78	-0.38	0.59	0.69	0.73	0.17	0.91	1.14	0.53
Total	1.58	2.20	1.05	-3.39	-1.18	5.91	7.31	7.71	3.88	9.49	11.80	5.43

Table VII.3.6 (25/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-5-1/2) Case-5 (1st Crop : Mar. 1 ; 2nd Crop : Sep.16)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.75	0.41	0.27	0.11	0.56	0.42	0.19	0.94	0.97	-0.01	0.04	0.02
2. Lb. Ambacang I (L)	1.20	0.67	0.43	0.18	0.90	0.69	0.30	1.51	1.55	-0.01	0.06	0.03
3. Gunung (L)	0.51	0.29	0.19	0.08	0.39	0.29	0.12	0.65	0.66	-0.01	0.03	0.01
4. Petapahan Toar (L)	1.31	0.73	0.47	0.20	0.98	0.77	0.36	1.64	1.68	0.06	0.11	0.08
5. Sei Jering (L)	0.40	0.23	0.15	0.06	0.31	0.23	0.10	0.51	0.52	-0.02	0.01	0.01
6. Sentajo I (L)	0.84	0.47	0.29	0.12	0.62	0.53	0.26	1.04	1.07	0.14	0.12	0.10
7. Sentajo II (L)	1.01	0.58	0.37	0.16	0.78	0.53	0.21	1.27	1.31	-0.17	-0.04	-0.05
8. Simandolak (L)	6.79	3.87	2.52	1.06	5.25	3.33	1.24	8.59	8.83	-1.64	-0.52	-0.60
9. Pauh Pangean (L)	8.60	4.76	3.03	1.27	6.35	5.35	2.59	10.75	11.05	1.22	1.15	0.98
10. Baserah II (L)	1.25	0.71	0.46	0.19	0.95	0.65	0.26	1.57	1.62	-0.20	-0.04	-0.05
11. Baserah I (L)	2.82	1.56	0.99	0.42	2.08	1.77	0.86	3.52	3.62	0.42	0.39	0.33
12. Rw. Ambacang (L)	1.84	1.05	0.68	0.29	1.42	0.92	0.35	2.32	2.39	-0.41	-0.12	-0.14
Total	27.32	15.33	9.85	4.14	20.59	15.48	6.84	34.31	35.27	-0.63	1.19	0.72
13. Kinali (R)	0.55	0.31	0.20	0.08	0.42	0.28	0.11	0.69	0.71	-0.11	-0.03	-0.04
14. Seb Gunung (R)	1.75	0.99	0.64	0.27	1.33	0.93	0.38	2.20	2.26	-0.23	-0.03	-0.05
15. Seb. Taluk II (R)	0.21	0.13	0.10	0.04	0.19	-0.03	-0.08	0.28	0.29	-0.44	-0.23	-0.23
16. Sei Paing (R)	1.33	0.76	0.50	0.21	1.03	0.65	0.23	1.69	1.73	-0.35	-0.11	-0.14
17. Sei Sarik (R)	0.50	0.29	0.19	0.08	0.40	0.22	0.07	0.63	0.65	-0.21	-0.09	-0.09
18. Rumbio Taluk (R)	3.41	1.90	1.21	0.51	2.54	2.08	0.99	4.27	4.39	0.36	0.39	0.33
19. Rawang Udang (R)	0.19	0.11	0.08	0.03	0.16	0.05	0.00	0.24	0.25	-0.16	-0.08	-0.08
20. Danau Koto Rajo (R)	0.83	0.48	0.33	0.14	0.67	0.29	0.04	1.07	1.10	-0.54	-0.25	-0.25
Total	8.77	4.97	3.25	1.36	6.74	4.47	1.74	11.07	11.38	-1.68	-0.43	-0.55

Table VII.3.6 (26/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-5-2/2) Case-5 (1st Crop : Mar. 1 ; 2nd Crop : Sep.16)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.11	0.18	0.09	0.08	0.12	0.48	0.63	0.68	0.42	0.81	0.97	0.41
2. Lb. Ambacang I (L)	0.18	0.29	0.14	0.13	0.19	0.78	1.00	1.10	0.67	1.30	1.56	0.66
3. Gunung (L)	0.08	0.13	0.06	0.05	0.08	0.34	0.43	0.47	0.28	0.56	0.67	0.28
4. Petapahan Toar (L)	0.20	0.32	0.15	0.14	0.21	0.85	1.10	1.19	0.77	1.41	1.70	0.74
5. Sei Jering (L)	0.06	0.10	0.05	0.04	0.07	0.27	0.34	0.38	0.22	0.44	0.53	0.22
6. Sentajo I (L)	0.13	0.20	0.10	0.09	0.13	0.54	0.70	0.75	0.53	0.90	1.11	0.49
7. Sentajo II (L)	0.14	0.25	0.12	0.11	0.17	0.67	0.84	0.95	0.51	1.09	1.31	0.52
8. Simandolak (L)	0.87	1.71	0.81	0.73	1.14	4.52	5.66	6.41	3.17	7.36	8.72	3.39
9. Pauh Pangean (L)	1.39	2.05	0.98	0.88	1.37	5.54	7.23	7.72	5.40	9.29	11.34	5.05
10. Baserah II (L)	0.17	0.31	0.15	0.13	0.21	0.82	1.04	1.17	0.62	1.35	1.62	0.65
11. Baserah I (L)	0.46	0.67	0.32	0.29	0.45	1.81	2.37	2.53	1.78	3.04	3.72	1.66
12. Rv. Ambacang (L)	0.24	0.46	0.22	0.20	0.31	1.22	1.53	1.73	0.88	1.99	2.37	0.93
Total	4.03	6.67	3.19	2.87	4.45	17.84	22.87	25.08	15.25	29.54	35.62	15.00
13. Kirali (R)	0.07	0.14	0.07	0.06	0.09	0.36	0.46	0.51	0.26	0.59	0.71	0.28
14. Seb Gunung (R)	0.24	0.43	0.21	0.19	0.29	1.16	1.46	1.63	0.90	1.89	2.27	0.91
15. Seb. Taluk II (R)	0.00	0.07	0.03	0.03	0.04	0.16	0.16	0.25	-0.07	0.23	0.23	0.02
16. Sei Paing (R)	0.17	0.34	0.16	0.14	0.22	0.89	1.11	1.26	0.61	1.45	1.71	0.65
17. Sei Sarik (R)	0.05	0.13	0.06	0.06	0.09	0.34	0.41	0.48	0.19	0.54	0.63	0.23
18. Rumbio Taluk (R)	0.55	0.82	0.39	0.35	0.55	2.21	2.87	3.08	2.09	3.68	4.49	1.98
19. Rawang Ulang (R)	0.02	0.05	0.02	0.02	0.03	0.13	0.15	0.19	0.04	0.20	0.23	0.07
20. Danau Koto Rajo (R)	0.08	0.22	0.11	0.09	0.15	0.57	0.69	0.83	0.25	0.91	1.03	0.34
Total	1.18	2.20	1.05	0.94	1.46	5.82	7.31	8.23	4.27	9.49	11.30	4.48

Table VII.3.6 (27/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-6-1/2) Case-6 (1st Crop : Mar.16 ; 2nd Crop : Oct. 1)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.75	0.38	0.25	0.11	0.56	0.40	0.17	0.96	0.97	0.01	0.01	-0.02
2. Lb. Ambacang I (L)	1.20	0.62	0.39	0.18	0.90	0.65	0.27	1.55	1.55	0.02	0.01	-0.03
3. Gunung (L)	0.51	0.26	0.17	0.08	0.39	0.28	0.11	0.67	0.66	0.00	0.01	-0.02
4. Petapahan Toar (L)	1.31	0.69	0.44	0.20	0.98	0.74	0.33	1.67	1.68	0.09	0.07	0.03
5. Sei Jering (L)	0.40	0.20	0.13	0.06	0.31	0.22	0.09	0.53	0.52	-0.01	-0.01	-0.02
6. Sentajo I (L)	0.84	0.46	0.28	0.12	0.62	0.52	0.26	1.05	1.07	0.14	0.11	0.09
7. Sentajo II (L)	1.01	0.50	0.32	0.16	0.78	0.48	0.17	1.33	1.31	-0.12	-0.10	-0.13
8. Simandolak (L)	6.79	3.31	2.09	1.06	5.29	2.98	0.89	9.04	8.83	-1.27	-1.02	-1.28
9. Pauh Pangean (L)	8.60	4.64	2.93	1.27	6.36	5.28	2.51	10.85	11.05	1.30	1.03	0.82
10. Baserah II (L)	1.25	0.63	0.40	0.19	0.96	0.60	0.21	1.64	1.62	-0.14	-0.11	-0.16
11. Baserah I (L)	2.82	1.53	0.96	0.42	2.08	1.74	0.83	3.55	3.62	0.45	0.36	0.29
12. Rw. Ambacang (L)	1.84	0.90	0.57	0.29	1.43	0.83	0.26	2.44	2.39	-0.31	-0.25	-0.32
Total	27.32	14.12	8.93	4.14	20.66	14.72	6.10	35.28	35.27	0.16	0.11	-0.75
13. Kinali (R)	0.55	0.27	0.17	0.08	0.42	0.25	0.08	0.72	0.71	-0.08	-0.07	-0.09
14. Seb Gunung (R)	1.75	0.88	0.56	0.27	1.34	0.86	0.31	2.29	2.26	-0.16	-0.13	-0.19
15. Seb. Taluk II (R)	0.21	0.05	0.03	0.04	0.20	-0.09	-0.14	0.35	0.29	-0.39	-0.31	-0.33
16. Sei Paing (R)	1.33	0.64	0.41	0.21	1.04	0.57	0.16	1.78	1.73	-0.27	-0.21	-0.27
17. Sei Sarik (R)	0.50	0.23	0.15	0.08	0.40	0.18	0.03	0.68	0.65	-0.18	-0.14	-0.16
18. Rumbio Taluk (R)	3.41	1.82	1.16	0.51	2.54	2.04	0.94	4.33	4.39	0.41	0.32	0.24
19. Rawang Udang (R)	0.19	0.08	0.05	0.03	0.16	0.03	-0.02	0.27	0.25	-0.14	-0.11	-0.13
20. Danau Koto Rajo (R)	0.83	0.35	0.23	0.14	0.68	0.21	-0.04	1.17	1.10	-0.46	-0.37	-0.41
Total	8.77	4.32	2.76	1.36	6.78	4.05	1.32	11.59	11.38	-1.27	-1.02	-1.34

Table VII.3.6 (28/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-6-2/2) Case-6 (1st Crop : Mar.16 ; 2nd Crop : Oct. 1)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.07	0.16	0.09	0.08	0.12	0.49	0.61	0.68	0.42	0.81	1.00	0.39
2. Lb. Ambacang I (L)	0.11	0.25	0.14	0.13	0.19	0.79	0.98	1.10	0.68	1.30	1.60	0.62
3. Gunung (L)	0.04	0.11	0.06	0.05	0.08	0.34	0.42	0.47	0.29	0.56	0.69	0.26
4. Petapahan Toar (L)	0.14	0.29	0.15	0.14	0.21	0.86	1.08	1.19	0.77	1.41	1.74	0.70
5. Sei Jering (L)	0.03	0.08	0.05	0.04	0.07	0.27	0.34	0.38	0.22	0.44	0.54	0.20
6. Sentajo I (L)	0.12	0.19	0.10	0.09	0.13	0.54	0.70	0.75	0.54	0.90	1.11	0.49
7. Sentajo II (L)	0.03	0.20	0.12	0.11	0.17	0.68	0.82	0.95	0.51	1.09	1.36	0.46
8. Simandolak (L)	0.06	1.28	0.81	0.73	1.14	4.64	5.45	6.41	3.23	7.36	9.16	2.89
9. Pauh Pangean (L)	1.21	1.95	0.98	0.88	1.37	5.57	7.18	7.72	5.42	9.29	11.44	4.94
10. Baserah II (L)	0.04	0.25	0.15	0.13	0.21	0.84	1.01	1.17	0.63	1.35	1.68	0.57
11. Baserah I (L)	0.40	0.64	0.32	0.29	0.45	1.82	2.36	2.53	1.79	3.04	3.75	1.63
12. Rv. Ambacang (L)	0.03	0.35	0.22	0.20	0.31	1.25	1.48	1.73	0.89	1.99	2.48	0.80
Total	2.28	5.75	3.19	2.87	4.45	18.09	22.43	25.08	15.39	29.54	36.55	13.95
13. Kinali (R)	0.02	0.11	0.07	0.06	0.09	0.37	0.44	0.51	0.27	0.59	0.74	0.24
14. Seb Gunung (R)	0.08	0.35	0.21	0.19	0.29	1.18	1.42	1.63	0.91	1.89	2.35	0.81
15. Seb. Taluk II (R)	-0.13	0.00	0.03	0.03	0.04	0.18	0.13	0.25	-0.06	0.23	0.30	-0.06
16. Sei Paing (R)	0.00	0.25	0.16	0.14	0.22	0.91	1.07	1.26	0.62	1.45	1.80	0.55
17. Sei Sarik (R)	-0.03	0.09	0.06	0.06	0.09	0.35	0.39	0.48	0.20	0.54	0.67	0.18
18. Rumbio Taluk (R)	0.44	0.77	0.39	0.35	0.55	2.22	2.85	3.08	2.10	3.68	4.54	1.92
19. Rawang Udang (R)	-0.03	0.02	0.02	0.02	0.03	0.14	0.14	0.19	0.04	0.20	0.26	0.03
20. Danau Koto Rajo (R)	-0.11	0.12	0.11	0.09	0.15	0.60	0.64	0.83	0.26	0.91	1.14	0.22
Total	0.24	1.71	1.05	0.94	1.46	5.95	7.08	8.23	4.34	9.49	11.80	3.89

Table VII.3.6 (29/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-7-1/2) Case-7 (1st Crop : Apr. 1 ; 2nd Crop : Oct.16)

(Unit : m3/sec)

Scheme Name	Jan.		Feb.		Mar.		Apr.		May		June	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.72	0.37	0.20	0.06	0.56	0.50	0.15	0.96	0.98	0.01	0.03	-0.04
2. Lb. Ambacang I (L)	1.16	0.60	0.31	0.11	0.90	0.81	0.24	1.55	1.57	0.02	0.05	-0.07
3. Gunung (L)	0.49	0.26	0.14	0.05	0.39	0.35	0.10	0.67	0.67	0.00	0.02	-0.04
4. Petapahan Toar (L)	1.27	0.68	0.37	0.14	0.98	0.87	0.30	1.67	1.70	0.09	0.10	0.00
5. Sei Jering (L)	0.39	0.20	0.10	0.03	0.31	0.28	0.07	0.53	0.53	-0.01	0.01	-0.04
6. Sentajo I (L)	0.84	0.46	0.27	0.11	0.62	0.55	0.25	1.05	1.08	0.14	0.12	0.08
7. Sentajo II (L)	0.96	0.48	0.20	0.06	0.78	0.70	0.12	1.33	1.35	-0.12	-0.05	-0.19
8. Simandoiak (L)	6.35	3.14	1.18	0.25	5.29	4.72	0.52	9.04	9.09	-1.27	-0.64	-1.76
9. Pauh Pangean (L)	8.50	4.60	2.73	1.09	6.35	5.67	2.42	10.85	11.11	1.30	1.12	0.71
10. Baserah II (L)	1.19	0.60	0.26	0.07	0.96	0.86	0.15	1.64	1.66	-0.14	-0.05	-0.23
11. Baserah I (L)	2.79	1.51	0.90	0.37	2.08	1.86	0.81	3.55	3.64	0.45	0.38	0.26
12. Rw. Ambacang (L)	1.73	0.86	0.33	0.08	1.43	1.28	0.16	2.44	2.46	-0.31	-0.15	-0.44
Total	26.39	13.76	6.99	2.42	20.66	18.45	5.29	35.28	35.84	0.16	0.94	-1.76
13. Kinali (R)	0.52	0.26	0.10	0.02	0.42	0.38	0.06	0.72	0.73	-0.08	-0.04	-0.12
14. Seb Gunung (R)	1.67	0.84	0.38	0.11	1.34	1.20	0.24	2.29	2.31	-0.16	-0.05	-0.28
15. Seb. Taluk II (R)	0.14	0.02	-0.11	-0.09	0.20	0.18	-0.19	0.35	0.33	-0.39	-0.25	-0.41
16. Sei Paing (R)	1.24	0.61	0.23	0.04	1.04	0.93	0.08	1.78	1.78	-0.27	-0.14	-0.37
17. Sei Sarik (R)	0.46	0.21	0.05	0.00	0.40	0.36	-0.01	0.68	0.68	-0.18	-0.10	-0.21
18. Rumbio Taluk (R)	3.35	1.80	1.04	0.41	2.54	2.26	0.89	4.33	4.43	0.41	0.37	0.18
19. Rawang Udang (R)	0.16	0.07	-0.01	-0.02	0.16	0.14	-0.05	0.27	0.27	-0.14	-0.08	-0.16
20. Danau Koto Rajo (R)	0.72	0.31	0.02	-0.05	0.68	0.61	-0.12	1.17	1.16	-0.46	-0.28	-0.52
Total	8.27	4.12	1.70	0.42	6.78	6.06	0.90	11.59	11.69	-1.27	-0.57	-1.89

Table VII.3.6 (30/30) SUMMARY OF WATER BALANCE CASE STUDY ON EXISTING SCHEMES IN NEW PROJECTS

(B-7-2/2) Case-7 (1st Crop : Apr. 1 ; 2nd Crop : Oct.16)

(Unit : m3/sec)

Scheme Name	July		Aug.		Sep.		Oct.		Nov.		Dec.	
	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.	1.	2.
	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End	1-15	16-End
1. Lb. Ambacang II (L)	0.04	0.11	0.04	0.08	0.12	0.49	0.65	0.68	0.40	0.83	1.00	0.41
2. Lb. Ambacang I (L)	0.07	0.17	0.06	0.13	0.19	0.79	1.04	1.10	0.65	1.34	1.60	0.65
3. Gunung (L)	0.03	0.08	0.02	0.05	0.08	0.34	0.45	0.47	0.27	0.58	0.69	0.27
4. Petapahan Toar (L)	0.12	0.22	0.09	0.14	0.21	0.86	1.13	1.19	0.75	1.44	1.74	0.73
5. Sei Jering (L)	0.01	0.05	0.02	0.04	0.07	0.27	0.36	0.38	0.21	0.46	0.54	0.22
6. Sentajo I (L)	0.12	0.18	0.09	0.09	0.13	0.54	0.71	0.75	0.53	0.91	1.11	0.49
7. Sentajo II (L)	-0.01	0.09	0.01	0.11	0.17	0.68	0.90	0.95	0.47	1.15	1.36	0.51
8. Simandolak (L)	-0.33	0.41	-0.06	0.73	1.14	4.64	6.11	6.39	2.88	7.81	9.16	3.26
9. Pauh Pangean (L)	1.12	1.76	0.78	0.88	1.37	5.57	7.33	7.71	5.34	9.39	11.44	5.02
10. Baserah II (L)	-0.01	0.11	0.02	0.13	0.21	0.84	1.11	1.16	0.58	1.42	1.68	0.63
11. Baserah I (L)	0.38	0.58	0.26	0.29	0.45	1.82	2.40	2.53	1.76	3.07	3.75	1.65
12. Rw. Ambacang (L)	-0.07	0.12	-0.01	0.20	0.31	1.25	1.65	1.73	0.80	2.11	2.48	0.89
Total	1.47	3.88	1.32	2.87	4.45	18.09	23.84	25.04	14.64	30.51	36.55	14.73
13. Kinali (R)	-0.01	0.05	0.01	0.06	0.09	0.37	0.49	0.51	0.24	0.62	0.74	0.27
14. Seb Gunung (R)	0.01	0.18	0.04	0.19	0.29	1.18	1.55	1.62	0.84	1.98	2.35	0.89
15. Seb Taluk II (R)	-0.19	-0.13	-0.10	0.03	0.04	0.18	0.23	0.24	-0.12	0.30	0.30	-0.01
16. Sei Paing (R)	-0.08	0.08	-0.02	0.14	0.22	0.91	1.20	1.25	0.55	1.54	1.80	0.63
17. Sei Sarik (R)	-0.07	0.00	-0.03	0.06	0.09	0.35	0.46	0.48	0.16	0.59	0.67	0.21
18. Rumbio Taluk (R)	0.39	0.65	0.28	0.35	0.55	2.22	2.93	3.08	2.05	3.74	4.54	1.96
19. Rawang Udang (R)	-0.06	-0.03	-0.04	0.02	0.03	0.14	0.18	0.19	0.02	0.23	0.26	0.06
20. Danau Koto Rajo (R)	-0.20	-0.08	-0.09	0.09	0.15	0.60	0.79	0.82	0.18	1.01	1.14	0.31
Total	-0.21	0.72	0.05	0.94	1.46	5.95	7.83	8.19	3.92	10.01	11.80	4.32