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TABLES

Table F.2.1 PRINCIPAL FEATURES OF EXISTING AND ON-GOING IRRIGATION PROJECT UNDER THE ACCELERATED MAHAWELI DEVELOPMENT PROGRAMME

Irrigation System	Diversion Point	Benefitted Tank	Effective Capacity of Tank (MCM)	Extents under Cultivation (ha)	Full Development Area (Committed) (ha)
H	Bowatenna	Dambulu Oya	6.3	2,200	2,200
		Kandalama	30.0	4,900	4,900
		Kalawewa	108.4	27,600	27,600
		Rajangana	88.7	6,700	6,700
		Angamuwa	130.0	1,000	1,000
IH		Nachchaduwa	37.8	2,830	2,830
		Nuwarawewa	37.1	1,100	1,100
		Tissawewa	3.3	400	400
		Bassawakkulam	9.3	370	370
MH		Huruluwewa	56.7	4,300	4,300
G	Elahera	Under EMYE	-	5,100	5,400
DI		Minneriya	126.4	8,900	8,900
		Giritale	22.2	3,000	3,000
		Kaudulla	102.9	4,500	14,500
		Kantalai/Vendarasan	133.1	9,900	14,100
D2	Angamedilla	Parakrama Samudra	102.9	10,100	10,100
E	Minipe	(Under Minipe LB Canal	-	6,100	6,100
C		Soraborawewa	16.9	500	500
		Mapakandawewa	8.7	700	700
		Dambarawewa	11.7	600	600
		Ulhitiya/Ratkinda	45.3	14,500	22,700
B	Maduru Oya	Pimburattewa	36.2	1,800	1,800
		Maduru Oya	477.6	7,200	36,500
		Vakaneri	11.0	3,700	3,700
A		Allai Scheme	-	7,000	20,300
Total				135,000	200,300

Table F.2.2 PRINCIPAL FEATURES OF MAJOR IRRIGATION TANKS (EXISTING)

Tank	Location of System	CA km ²	Type	Dam		FSWL		LWL		Active Storage Capacity MCM
				Length m	Height m	El m	Storage MCM	El m	Storage MCM	
1	Dambulu Oya	342	E	Na	Na	162.2	11.7	160.0	5.4	6.3
2	Kandalama	98	E	975	17.1	176.2	33.8	169.2	3.8	30.0
3	Kalawewa	837	E	4,290	10.4	129.2	123.7	123.4	15.0	108.7
4	Rajangana	769	E	4,020	5.8	68.3	100.7	59.1	12.0	88.7
5	Angamuwa	130	E	2,220	7.9	64.3	15.8	59.6	-	-
6	Nachchaduwa	611	E	1,650	10.7	101.7	55.7	98.6	17.9	37.8
7	Nuwarawewa	84	E	6,770	10.7	87.4	44.5	82.8	7.4	37.1
8	Tissawewa	5.2	E	2,650	6.4	91.5	4.3	88.8	1.0	3.3
9	Basawakkulam	9.3	E	1,190	4.6	85.5	2.4	82.0	0.3	2.1
10	Huruluwewa	199	E	2,370	12.2	132.3	67.8	126.3	11.1	56.7
11	Giritale	24	E	520	15.4	92.1	23.9	82.0	1.7	22.2
12	Minneriya	D1	E	2,410	15	93.7	135.7	85.3	9.3	126.4
13	Kaudulla	D1	E	9,240	12	73.2	128.3	67.1	25.4	102.9
14	Kantalai	D1	E	4,190	17	59.3	135.7	49.0	2.6	133.1
15	Vendarasan	D1	E	1,160	15	54.9	24.7	44.3	-	24.7
16	Parakrama Samudra	D2	E	13,580	10	59.1	134.4	53.3	31.5	102.9
17	Mapakadawewa	C	E	Na	Na	105.8	11.3	99.0	0.8	10.5
18	Dambarawewa	C	E	1,130	7.6	102.1	15.9	97.5	2.7	13.2
19	Soraborawewa	C	E	485	10.2	94.0	20.7	-	-	0.0
20	Uthitiya/Ratkinda	C, B	E	4,960	25	106.7	145.3	104.4	10.0	135.3
21	Maduru Oya	B	RF	1,090	41.0	96.0	596.6	84.5	119.0	477.6
22	Pimburattewa	B	E	1,950	18.3	71.3	49.3	-	-	Na
23	Vakneri	B	E	2,010	9.1	16.3	16.7	-	-	Na
24	Inginimittiya *2	NWDZ	E	1,430	18.2	61.6	65.4	55.2	5.2	60.2
25	Palukadawala	NWDZ	E	Na	Na	90.8	9.0	87.3	3.2	5.8
26	Mahakandarama	I	E	Na	6	94.8	46.5	89.6	5.9	40.6
27	Iratperiya	I	E	Na	6.4	35.2	4.4	31.9	0.3	4.1
28	Pavatkulam	I	E	Na	8.8	71.2	33.3	67.1	2.3	31.0
29	Vavunikulam	J	E	Na	10.1	43.3	42.8	37.1	1.9	40.9
30	Padawiya	L	E	Na	9.8	53.6	104.8	-	-	Na
31	Tannimurippukulam	L	E	Na	9.8	23.2	18.5	18.7	0.7	17.8
32	Rukam	-	E	Na	5.5	23.8	22.9	(19.9)	0.8	22.1
33	Unnichchi	-	E	Na	10.7	28.7	50.8	21.0	1.2	49.6

Tank	Irrigation Area		Irrl. Sluice or Canal				Remarks
	Specified ha	Estimated ha	LB m ³ /s	RB m ³ /s	Central m ³ /s	Others m ³ /s	
1	2,100	-	5.7	-	-	-	LB=2,100ha Spill to Kal 37, 600
2	4,900	-	8.2	(8.2)	-	-	LB=4900ha
3	33,620	-	11.3	35.4	11.3	-	LB=6,160ha, RB=16,800ha, S3=4,700ha, Others=10,720ha
4	6,700	-	9.4	-	-	-	LB=6,700ha
5	1,000	-	-	-	-	-	RB=1,000ha
6	2,400	2,830	-	31.2	-	-	LB=2,400ha, RB=1,400
7	1,000	1,100	0.9	0.9	0.9	-	1,000ha
8	400	-	-	-	-	-	400ha
9	370	-	-	-	-	-	370ha
10	4,300	-	7.8	-	-	-	4,300ha
11	3,000	3,040	7.1	-	-	-	3,000ha
12	8,900	-	12.2	-	-	34.00	8,900 Kaudulla, Kantalai=13800ha
13	4,500	4,900	13.3	-	-	-	-
14	9,300	-	17.0	(17.0)	-	-	-
15	520	570	-	-	-	-	-
16	10,100	-	14.2	(14.2)	-	-	-
17	700	-	-	-	-	-	intake from Minipe RB Q=2.8 m ³ /s
18	600	610	-	-	-	-	do Q=2.8m ³ /s
19	500	810	1.7	-	-	-	do Q=2.8m ³ /s
20	38,300	-	14.0	57.0	-	39.1	LB, RB(C)=20,600ha, B=38,300ha(Link T=5.6km)
21	-	-	65.0	28.0	-	-	LB=22,700ha, RB=15,600ha
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	LB, RB=3,660ha
24	2,550	-	3.0	1.8	-	-	LB=1,620ha, RB=930ha
25	810	810	-	Na	-	-	Not used in water balance study.
26	2,470	2,830	-	Na	-	-	-
27	200	220	-	Na	-	-	-
28	1,670	1,780	-	Na	-	-	LB&RB=1,670ha
29	2,790	-	-	Na	-	-	-
30	5,590	6,070	-	Na	-	-	-
31	960	-	-	Na	-	-	-
32	3,440	4,250	-	Na	-	-	-
33	5,160	5,460	-	Na	-	-	-

Remarks :
 E : Earth Fill
 RF : Rock Fill
 CA : Catchment Area
 LB : Left Bank
 RB : Right Bank
 FSWL : Full Supply Water Level
 LWL : Low Water Level

Source: Ref. 18 *1 Data Base on Tanks in ID
 *2 Ref. 4

Table F.2.3 LEVEL/AREA/VOLUME TABLE FOR MAJOR IRRIGATION TANKS (EXISTING) (1/4)

ITEM	(1) H DAMBULU OYA			(2) H KANDALAMA			(3) H KALAWEWA			(4) H RAJANGANA		
	EL	SA	ST	EL	SA	ST	EL	SA	ST	EL	SA	ST
	(m)	(km ²)	(MCM)	(m)	(km ²)	(MCM)	(m)	(km ²)	(MCM)	(m)	(km ²)	(MCM)
A. Operational												
- High flood	163.4	5.1	17.9	177.5	10.5	46.1	131.4	37.2	194.1	68.4	16.4	104.9
- Full supply	162.2	4.0	11.7	176.2	7.8	33.8	129.2	29.4	123.4	68.3	16.0	100.7
- Min. operating	160.0	2.5	5.4	169.2	1.9	3.8	123.4	8.3	15.0	59.1	4.3	12.0
B. Physical												
- Spillway crest	-	-	-	176.2	7.8	33.8	129.2	29.4	123.7	68.3	16.0	100.7
- Spillway sill High	160.3	2.7	6.1	-	-	-	123.1	7.6	13.0	65.2	11.5	58.7
Low	156.1	0.3	1.2	-	-	-	-	-	-	-	-	-
- Sluce sill LB	158.5	1.5	2.5	167.8	1.1	1.6	121.9	4.8	5.8	57.6	3.2	6.3
RB	-	-	-	167.7	1.1	1.5	121.9	4.8	5.8	57.6	3.2	6.3
Others	-	-	-	-	-	-	118.9	0.0	0.0	-	-	-
C. Level/Area/Volume												
	158.5	1.5	2.5	167.7	1.1	1.5	118.9	0.0	0.0	57.6	3.2	6.3
	158.8	1.7	3	168.6	1.5	2.7	119.8	0.7	0.3	58.8	4.1	10.8
	159.1	1.9	3.5	169.4	2.0	4.1	120.7	2.0	1.5	59.4	4.6	13.5
	159.4	2.1	4.1	170.4	2.7	6.5	121.6	4.1	4.3	60.7	5.7	19.7
	160.0	2.5	5.4	171.4	3.3	9.3	122.5	6.3	8.8	61.9	7.1	27.5
	160.6	2.9	6.9	172.3	4.0	12.6	123.4	8.3	15.0	62.5	7.9	32.1
	161.6	3.4	8.6	173.2	4.6	16.5	124.4	11.1	24.3	63.7	9.5	42.7
	161.9	3.9	10.5	174.1	5.4	21.0	125.3	14.2	36.3	64.9	11.1	55.2
	162.2	4.1	11.7	175.0	6.2	26.3	126.2	17.6	50.6	65.5	11.9	62.2
	162.5	4.4	13.2	175.6	6.9	30.1	126.8	20.2	62.4	66.1	12.8	69.8
	163.1	4.9	16.3	176.2	7.8	33.8	127.4	22.7	75.2	66.8	13.8	77.9
	163.4	5.1	17.9	176.5	8.3	36.2	128.0	25.8	89.7	67.4	14.7	86.6
							128.6	27.9	106.2	68.0	15.6	95.8
							129.2	29.4	123.4	68.3	16.0	100.7

ITEM	(5) H ANGAMUWA			(6) H NACHCHADUWA			(7) H NUWARAWEWA			(8) H TISSAWEWA		
	EL	SA	ST	EL	SA	ST	EL	SA	ST	EL	SA	ST
	(m)	(km ²)	(MCM)	(m)	(km ²)	(MCM)	(m)	(km ²)	(MCM)	(m)	(km ²)	(MCM)
A. Operational												
- High flood	65.7	3.5	20.1	103.6	28.7	92.8	88.5	13.9	57.8	91.7	-	-
- Full supply	64.3	2.6	15.8	101.7	17.8	55.7	87.4	12.0	44.5	91.5	2.4	4.3
- Min. operating	59.6	(2.5)	(2.4)	98.6	8.6	17.9	82.8	4.6	7.4	88.8	0.7	1.0
B. Physical												
- Spillway crest	64.3	2.6	15.8	101.7	17.8	55.7	87.4	12.0	44.5	91.5	2.4	4.3
- Spillway sill High	61.3	-	-	-	-	-	-	-	-	-	-	-
Low	-	-	-	-	-	-	-	-	-	-	-	-
- Sluce sill LB	-	-	-	97.1	4.6	8.2	82.5	4.2	6.2	85.7	0.0	0.0
RB	58.1	0.5	0.5	97.1	4.6	8.2	81.3	2.3	1.2	87.3	0.2	0.2
Others	-	-	-	99.1	9.9	20.9	80.4	0.8	0.0	88.9	0.7	0.7
C. Level/Area/Volume												
	(56.0)	(0.0)	(0.0)	94.1	0.5	0.1	80.4	0.8	0.0	85.7	0.0	0.0
	(58.1)	(0.5)	(0.5)	94.7	1.1	0.9	81.0	1.7	0.6	86.3	0.1	0.1
	(59.6)	(2.5)	(2.4)	95.3	1.6	1.7	81.3	2.3	1.2	87.3	0.2	0.2
	(61.0)	(2.7)	(6.0)	95.9	2.5	3.0	81.9	3.3	3.1	88.1	0.5	0.6
	(62.0)	(2.8)	(8.8)	96.5	3.5	4.8	82.5	4.2	6.2	88.9	0.7	1.1
	(63.0)	(2.9)	(11.9)	97.1	4.6	8.2	82.8	4.6	7.4	89.7	1.1	1.8
	64.3	(3.4)	15.8	97.7	6.1	10.4	83.7	6.0	12.3	91.0	2.0	3.8
	65.7	3.5	(20.1)	98.3	7.8	14.7	84.7	7.4	18.5	91.5	2.4	4.3
				98.6	8.6	17.9	85.6	8.8	25.9			
				98.9	9.5	19.9	86.5	10.4	34.5			
				99.6	11.3	25.9	87.4	12.0	44.5			
				100.2	13.0	33.8						
				100.8	14.8	43.2						

Remarks: SA = Surface area, ST = Storage Volume
Source: REF. 18
* Data base of tanks in ID

Table F.2.3 LEVEL/AREA/VOLUME TABLE FOR MAJOR IRRIGATION TANKS (EXISTING) (2/4)

ITEM	(9) IH BASSAWAKKULANA			(10) MH HURULUWEWA			(11) D1 GIRITALE			(12) D1 MINNERIYA		
	EL	SA	ST	EL	SA	ST	EL	SA	ST	EL	SA	ST
	(m)	(km ²)	(MCM)	(m)	(km)	(MCM)	(m)	(km)	(MCM)	(m)	(km)	(MCM)
A. Operational												
- High flood	86.4	-	-	134.2	25.5	93.1	92.7	-	26.6	93.7	28.3	178.9
- Full supply	85.5	1.1	2.4	132.3	16.3	67.8	92.1	3.2	23.9	92.7	24.8	135.7
- Min. operating	82.0	0.3	0.3	126.3	5.0	11.1	82.0	0.9	1.7	85.3	5.8	9.3
B. Physical												
- Spillway crest	85.5	1.1	2.4	132.3	16.3	67.8	92.1	3.2	23.5	93.7	24.8	135.7
- Spillway sill High	-	-	-	-	-	-	-	-	-	91.4	19.4	86.4
Low	-	-	-	-	-	-	-	-	-	89.9	15.7	59.0
- Sluce sill LB	80.5	0.0	0.0	124.8	3.1	5.5	79.1	0.3	0.0	83.8	2.9	3.6
RB	-	-	-	123.9	2.3	2.8	80.5	0.6	0.6	84.8	4.7	7.0
Others	-	-	-	123.9	2.3	2.8	-	-	-	-	-	-
C. Level/Area/Volume												
	80.5	0.0	0.0	123.9	2.3	2.8	79.1	0.3	0.0	82.1	1.0	0.0
	81.1	0.1	0.1	125.4	3.7	7.3	80.6	0.6	0.6	83.6	2.4	2.7
	81.7	0.2	0.2	126.3	5.0	11.1	82.1	1.0	1.8	85.1	5.2	7.9
	82.6	0.4	0.4	126.9	5.6	14.3	83.6	1.4	3.5	86.3	7.9	16.0
	83.2	0.6	0.6	128.5	7.7	24.4	85.2	1.8	6.0	87.5	10.9	27.4
	83.8	0.7	0.8	130.0	10.3	37.8	86.7	2.2	9.0	88.8	13.5	42.3
	84.4	0.8	1.2	131.1	14.3	56.3	88.2	2.6	12.7	90.0	15.9	60.2
	85.0	0.9	1.8	132.2	16.3	67.8	89.7	2.9	16.9	91.2	18.9	81.3
	85.2	1.0	1.9	-	-	-	90.6	3.0	19.6	92.4	21.7	106.0
	85.5	1.1	2.4	-	-	-	92.1	3.2	23.9	93.7	24.8	135.7

ITEM	(13) D1 KAUDULLA			(14) D1 KANTALAI			(15) D1 VENDARASAN			(16) D2 P. SAMUDRA		
	EL	SA	ST	EL	SA	ST	EL	SA	ST	EL	SA	ST
	(m)	(km)	(MCM)	(m)	(km)	(MCM)	(m)	(km)	(MCM)	(m)	(km)	(MCM)
A. Operational												
- High flood	75.2	32.4	177.6	61.4	-	-	55.8	-	-	59.4	25.9	143.1
- Full supply	73.2	25.6	128.3	59.3	24.4	135.7	54.9	4.9	24.7	59.1	25.3	134.4
- Min. operating	67.1	9.3	25.4	49.0	3.0	2.6	44.3	(1.0)	(2.0)	53.3	10.3	31.5
B. Physical												
- Spillway crest	-	-	-	-	-	-	54.9	4.9	24.7	59.1	25.3	134.4
- Spillway sill High	69.3	14.9	52.8	56.9	19.2	86.7	-	-	-	-	-	-
Low	-	-	-	-	-	-	-	-	-	-	-	-
- Sluce sill LB	64.0	4.3	5.2	46.5	0.0	0.0	42.8	(0.6)	(0.8)	51.5	6.8	18.5
RB	65.5	6.5	13.5	47.5	0.8	0.6	-	-	-	51.8	7.3	20.5
Others	-	-	-	53.3	12.6	34.4	-	-	-	51.8	7.3	20.5
C. Level/Area/Volume												
	64.0	4.3	5.2	46.5	0.0	0.0	(40.0)	(0.0)	(0.0)	51.5	6.8	18.5
	64.6	5.1	8.1	48.3	1.9	1.2	(42.8)	(0.6)	(0.8)	53.0	9.5	28.5
	65.2	6.0	11.5	49.0	2.9	2.5	(44.3)	(1.0)	(2.0)	53.6	11.1	34.5
	65.8	7.0	15.5	49.6	3.9	4.9	(48.0)	(1.6)	(6.8)	54.3	12.7	43.2
	66.5	8.2	20.1	50.8	6.1	10.4	(51.0)	(3.2)	(14.0)	55.5	15.8	58.0
	67.7	10.7	31.5	52.0	8.4	19.9	54.9	4.9	24.7	56.1	17.4	67.8
	68.3	12.1	38.5	53.2	12.3	32.9	55.8	-	-	56.4	18.2	74.6
	68.9	13.6	46.3	54.4	14.0	48.1	-	-	-	56.7	18.8	80.6
	69.5	15.1	55.1	55.7	16.0	66.4	() was tentatively			57.0	19.6	86.3
	70.1	16.7	64.8	56.9	19.2	87.1	estimated referring			57.3	20.2	91.3
	70.2	18.2	75.4	58.1	21.5	107.9	to Giritale Tank.			57.9	22.3	106.1
	71.3	19.9	87.0	58.7	23.1	120.6				58.5	23.7	119.7
	71.9	21.6	99.7	59.3	24.2	135.7				59.1	25.3	134.4
	72.5	23.4	113.4							59.4	25.8	132.3
	73.2	25.6	128.3									
	73.5	26.7	136.3									

Remarks: SA = Surface area, ST = Storage Volume
Source: REF. 18
* Data base of tanks in ID

Table F.2.3 LEVEL/AREA/VOLUME TABLE FOR MAJOR IRRIGATION TANKS (EXISTING) (3/4)

ITEM	(17) C			(18) C			(19) C			(20) CB			
	MAPAKADAWEWA			DAMBARAWEWA			SORABORAWEWA			ULHITIYA/RATKINDA			
	EL (m)	SA (km ²)	ST (MCM)	EL (m)	SA (km ²)	ST (MCM)	EL (m)	SA (km ²)	ST (MCM)	EL (m)	SA (km ²)	ST (MCM)	
A. Operational													
- High flood	106.7	2.2	11.3	102.7	3.7	-	96.3	-	-	107.3	23.8	159.5	
- Full supply	105.8	2.0	9.5	102.1	3.5	18.1	94.0	6.0	20.7	106.7	22.4	145.3	
- Min. operating	99.0	0.5	0.8	97.5	1.7	6.4	90.5	(3.7)	(3.8)	*D104.4	17.8	100.0	
B. Physical													
- Spillway crest	105.0	2.2	11.3	102.1	3.4	15.9	94.0	-	-	-	-	-	
- Spillway sill High	-	-	-	-	-	-	-	-	-	102.2	13.2	64.6	
Low	-	-	-	-	-	-	-	-	-	-	-	-	
- Sluce sill LB	97.5	0.2	0.2	96.0	1.0	2.2	89.0	0.8	0.2	100.6	10.6	45.0	
RB	97.5	0.2	0.2	96.0	1.0	2.2	87.7	0.1	0.0	100.6	10.6	45.0	
Others	-	-	-	-	-	-	-	-	-	*D99.0	8.4	31.5	
C. Level/Area/Volume	97.5	0.2	0.2	91.4	0.1	2.2	87.7	0.1	0.0	90.0	0.0	0.0	
	97.5	0.6	1.0	93.0	0.2	2.4	89.0	0.2	0.2	92.0	1.0	1.1	
	100.3	0.8	1.7	94.5	0.7	3.1	(90.0)	(3.4)	(2.0)	94.0	2.5	4.2	
	101.2	1.0	2.6	96.0	1.0	4.3	(91.0)	4.0	(5.7)	96.0	4.5	11.5	
	102.1	1.2	3.6	97.5	1.7	6.4	(92.0)	4.6	(10.0)	98.0	7.0	22.8	
	103.0	1.4	4.8	100.6	2.8	13.3	(93.0)	5.4	(15.0)	100.0	9.7	39.9	
	103.9	1.6	6.1	102.1	3.5	18.1	94.0	6.0	20.7	102.0	12.8	61.7	
	104.9	1.8	7.7	103.6	4.2	23.9				104.0	17.0	92.0	
	105.8	2.0	9.5	106.7	6.0	39.4				() was tentatively	106.0	21.1	130.1
	106.6	2.2	11.3							estimated referring	106.7	22.3	145.3
										to Vakameri Tank.	108.0	25.8	177.3

ITEM	(21) B			(22) B			(23) B *2			(24) NWDZ *2			
	MADURU OYA			PIMBURATTEWA			VAKANERI			INGINIMITIYA			
	EL (m)	SA (km ²)	ST (MCM)	EL (m)	SA (km ²)	ST (MCM)	EL (m)	SA (km ²)	ST (MCM)	EL (m)	SA (km ²)	ST (MCM)	
A. Operational													
- High flood	98.5	75.3	767.4	72.5	-	-	(17.5)	-	-	62.8	-	88.8	
- Full supply	96.0	63.9	596.6	71.3	-	49.3	16.3	4.8	16.7	61.6	-	65.4	
- Min. operating	84.5	20.7	119.0	(65.0)			12.5	2.4		(56.0)	-	8.8	
B. Physical													
- Spillway crest	96.0	63.9	596.6	71.3	-	-	16.3	4.8	16.7	-	-	-	
- Spillway sill High	-	-	-	-	-	-	-	-	-	55.5	-	-	
Low	-	-	-	-	-	-	-	-	-	-	-	-	
- Sluce sill LB	78.0	7.9	28.0	64.0	-	-	10.5	-	-	55.1	-	-	
RB	76.5	5.6	16.7	-	-	-	11.0	-	-	55.1	-	-	
Others	0.0	-	-	-	-	-	-	-	-	-	-	-	
C. Level/Area/Volume	70.1	0.5	0.0	(56.0)	0.0	(0.0)	10.5	0.6	0.0	51.8	0.2	0.0	
	73.1	2.0	3.7	(61.0)	(1.6)	(4.0)	11.1	1.3	0.6	53.3	0.9	0.8	
	76.2	5.1	14.4	(64.0)	(2.5)	(10.2)	11.7	1.8	1.5	54.9	3.1	3.9	
	79.2	9.8	37.1	(66.0)	(3.3)	(16.0)	12.3	2.3	2.7	56.4	5.8	10.6	
	82.3	16.6	77.3	(68.0)	(3.7)	(23.0)	12.9	2.7	4.3	57.9	8.1	21.2	
	84.5	20.7	119.0	(70.0)	(7.3)	(34.0)	13.5	3.1	6.0	59.4	11.2	35.9	
	85.3	24.2	139.5	71.3	(16.2)	49.3	14.1	3.5	8.0	61.0	14.8	55.7	
	88.4	33.2	226.9	72.5	-	-	14.7	3.8	10.2	62.5	19.5	81.8	
	91.4	44.4	345.1				15.3	4.2	12.7	64.0	24.2	115.2	
	94.5	56.8	499.1				() was tentatively	16.0	4.6	15.4			
	96.0	63.9	596.6				estimated referring	16.6	4.9	18.2			
	99.7	80.5	855.6				to Dambarawewa Tank.						
	100.6	85.8	931.6										

Remarks: SA = Surface area, ST = Storage Volume
 *D = Minimum Operating W.L for Diversion
 *I = Minimum Operating W.L for Irrigation
 Source: REF. 18
 * Data base of tanks in ID

Table F.2.3 LEVEL/AREA/VOLUME TABLE FOR MAJOR IRRIGATION TANKS (EXISTING) (4/4)

ITEM	(25) NWDZ			(26) I *2			(27) I *2			(28) I *2		
	PALUKADAWALA			MAHAKANDARAWA			IRATPERIYA			PAVAT KULAM		
	EL (m)	SA (km2)	ST (MCM)	EL (m)	SA (km2)	ST (MCM)	EL (m)	SA (km2)	ST (MCM)	EL (m)	SA (km2)	ST (MCM)
A. Operational												
- High flood	91.7	-	-	96.2	-	-	36.9	-	-	72.4	-	-
- Full supply	90.8	-	9.0	94.8	14.6	(46.5)	35.2	-	4.4	71.2	-	33.3
- Min. operating	87.3	0.6	3.2	89.6	2.8	5.9	31.9	0.5	0.3	67.1	2.3	4.1
B. Physical												
- Spillway crest	90.8	-	-	94.8	-	-	35.2	-	-	71.2	-	33.3
- Spillway sill High	-	-	-	-	-	-	-	-	-	-	-	-
- Spillway sill Low	-	-	-	-	-	-	-	-	-	-	-	-
- Sluce sill LB	86.3	0.6	2.5	89.0	-	4.7	-	0.5	0.3	65.3	-	-
- Sluce sill RB	-	-	-	89.0	-	4.7	31.9	0.0	0.0	65.3	-	-
- Sluce sill Others	83.5	-	-	-	-	-	30.5	-	-	-	-	-
C. Level/Area/Volume												
	83.5	0.0	1.6	89.0	0.0	4.7	30.5	0.0	0.0	65.5	-	0.6
	84.3	0.1	1.7	89.6	2.8	5.9	31.7	0.4	0.2	67.1	2.3	4.1
	85.0	0.2	1.9	90.5	4.1	9.1	32.9	0.9	1.0	68.6	4.5	10.9
	86.3	0.6	2.5	91.4	5.9	13.8	34.1	1.5	2.5	70.1	7.5	22.3
	87.3	0.6	3.2	92.4	7.7	19.9	35.4	2.2	4.7	71.6	11.0	39.2
	88.1	0.9	4.1	93.3	10.1	28.0	-	-	-	73.2	15.1	62.1
	89.2	1.4	5.5	94.2	12.8	38.3	-	-	-	-	-	-
	89.6	0.8	6.2	94.8	(14.6)	(46.5)	-	-	-	-	-	-
	90.4	1.6	7.8	-	-	-	-	-	-	-	-	-
	91.4	1.0	10.7	-	-	-	-	-	-	-	-	-

ITEM	(29) J			(30) L			(31)			(32)		
	VAUNI KULAM			PADAWIYA			RUKAM			UNNICHI		
	EL (m)	SA (km2)	ST (MCM)	EL (m)	SA (km2)	ST (MCM)	EL (m)	SA (km2)	ST (MCM)	EL (m)	SA (km2)	ST (MCM)
A. Operational												
- High flood	44.4	-	-	54.3	-	-	25.8	-	-	(29.7)	-	-
- Full supply	43.3	12.8	42.8	53.6	-	104.8	23.8	-	22.9	28.7	10.7	50.8
- Min. operating	-37.1	-	1.9	(47.0)	-	(4.9)	(19.9)	1.2	0.8	(21.0)	-	(1.2)
B. Physical												
- Spillway crest	43.3	12.8	42.8	(53.6)	-	-	23.8	-	22.9	28.7	10.7	50.8
- Spillway sill High	-	-	-	-	-	-	-	-	-	-	-	-
- Spillway sill Low	-	-	-	-	-	-	-	-	-	-	-	-
- Sluce sill LB	36.0	0.8	0.4	46.3	-	4.9	19.0	0.6	0.0	20.1	0.3	0.1
- Sluce sill RB	36.0	0.8	0.4	-	-	-	-	-	-	-	-	-
- Sluce sill Others	36.6	-	-	-	-	-	-	-	-	-	-	-
C. Level/Area/Volume												
	36.0	0.8	0.4	44.0	(0.0)	(0.0)	19.0	0.6	0.0	20.1	0.3	0.1
	37.2	2.0	2.1	(46.3)	(4.3)	(4.9)	19.9	1.2	0.8	21.3	2.0	1.6
	38.4	3.2	5.3	(48.0)	(8.8)	(16.0)	20.8	2.8	2.6	22.6	3.4	4.8
	39.6	4.9	10.2	(49.0)	(9.2)	(25.0)	21.8	5.6	6.3	23.8	5.2	9.9
	40.8	7.5	17.7	(50.0)	(10.8)	(35.0)	22.7	8.5	12.9	25.0	7.1	17.8
	42.1	10.4	28.6	(51.0)	(15.2)	(48.0)	23.3	9.5	18.4	26.2	8.4	27.3
	43.3	12.8	42.8	(52.0)	(18.8)	(65.0)	24.2	10.5	27.6	27.4	9.7	38.3
				(53.0)	(21.2)	(85.0)				28.7	10.7	50.8
				(53.6)	(21.2)	(85.0)				29.9	11.8	64.5
				53.6	(44.8)	104.8				30.5	12.4	71.9

() was tentatively estimated referring to Ingimitiya Tank.

Remarks: SA = Surface area, ST = Storage Volume
 Source: REF. 18
 * Data base of tanks in ID

Table F.3.1 COMPARISON OF PROCEDURE APPLIED FOR IRRIGATION WATER REQUIREMENT CALCULATION IN THE PREVIOUS STUDIES

Report	Implementation Strategy Study NEDECO 1979 (Ref. 7)	Moragahakanda Agricultural Development Project JICA 1979 (Ref. 8)	Macro Model Studies NEDECO 1983 (Ref. 17)
1. Irrigation Development System	A, B, C, D1, D2, E, F, G, H, I, J, K, L, M (IH, MH)	D1, D2, A/D, G	A, B, C, DE, DA, E
2. ETo Calculation Method	Modified Panman	Modified Panman	Modified Panman
3. Meteo Station	Anuradhapura (with conversion factor)	Maha Illuppallama (average) (1950-1977)	Anuradhapura Badulla
4. ETo Result (mm/year)	1,866 mm	1,867 mm (72.2 inches)	2,112 mm
5. Effective Rainfall (mm/month)	USDA-SCS Method	Paddy-LUD Method (R-1)x0.67, 1<R<9(inch)	Water balance method
6. Rainfall Station (Period)	12 Station (1950-1977)	D1 - Polonnaruwa D2 - Hingurakgoda, Kantalai G - Elahera	A, DE - Kal Aar B, DA - Angamedilla E, C - Angamedilla, Horaborawewa

Report	Transbasin Diversion Study Electrowatt 1986 (Ref. 16)	Mahaweli Water Resource Management Project ACRES 1985 (Ref. 18)
1. Irrigation Development System	A, B, C, D1, D2, E1, G, H, IH, MH, SEDZ, NWDZ	A, B, C, D1, D2, E, G, H, IH, MH,
2. ETo Calculation Method	Modified Panman	Modified Panman, Jansen
3. Meteo Station	Batticaloa for SEDZ Anuradhapura for NWDZ NCRB (1950-1977)	Anuradhapura for all systems except System A (10% increased) (1957-1981) average
4. ETo Result (mm/year)	1,866 mm	2,094 mm
5. Effective Rainfall (mm/month)	Paddy-LUD 0.67 (MR-25), 25<MR<225 Upland-0.67 (MR-6.4)	Paddy-ULD Method 0.67 (R-25) Upland-USDA Method
6. Rainfall Station (Period)	Navakiri Aru for SEDZ Mankulan for NWDZ (1950-1977)	35 Stations Thiessen Polygon

Table F.3.2 METEOROLOGICAL DATA FOR CALCULATION OF POTENTIAL EVAPOTRANSPIRATION

1. Station: Anuradhapura Lat.:8 21'N Long.:80 23'E Barometer:305ft Anemometer:10ft

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
(1) Mean max. Temp., Tmax. (oC)	29.3	31.3	33.8	34.0	32.8	32.7	32.9	33.2	33.3	31.9	30.2	28.8	32.0
(2) Mean min. Temp., Tmin (oC)	20.9	21.2	22.7	24.0	24.7	24.8	24.4	24.4	24.2	23.3	22.5	22.3	23.3
(3) Mean Temp., Tmean (oC)	25.1	26.3	28.3	29.0	28.8	28.8	28.7	28.8	28.8	27.6	26.4	25.6	27.7
(4) Mean max. Relative Humidity, RHmax. (%)	92	90	88	90	90	87	86	85	88	92	93	93	90
(5) Mean min. Relative Humidity, RHmin. (%)	72	66	62	67	71	66	65	62	65	72	77	80	69
(6) Mean Relative Humidity, RHmean (%)	82.0	78.0	75.0	78.5	80.5	76.5	75.5	73.5	76.5	82.0	85.0	86.5	79.1
(7) Wind Speed, V (km/hr)	5.3	5.3	4.9	4.7	9.2	13.1	12.2	12.6	10.7	6.5	4.3	4.7	7.8
(8) Wind Speed, Uday/Unight	2.1	2.0	1.8	2.0	1.6	1.6	1.5	1.5	1.7	1.9	1.7	2.1	1.8
(9) Sunshine Hour, n (hr/day)*	7.4	8.7	9.0	8.8	8.5	8.0	7.7	8.3	7.6	7.0	6.0	5.8	7.7

Remarks: *No data is available at Anuradhapura Meteorological station, Figures shows data at Mahallupallama.

2. Station: Batticaloa Lat.:7 43'N Long.:81 42'E Barometer: 9ft Anemometer:20ft

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
(1) Mean max. Temp., Tmax. (oC)	27.8	28.7	30.1	31.6	33.1	33.9	33.3	33.0	32.3	30.8	29.3	28.1	31.0
(2) Mean min. Temp., Tmin (oC)	23.2	23.3	24.1	25.2	25.7	25.6	25.2	25.0	24.7	24.3	23.7	23.5	24.5
(3) Mean Temp., Tmean (oC)	25.5	26.0	27.1	28.4	29.4	29.8	29.3	29.0	28.5	27.6	26.5	25.8	27.7
(4) Mean max. Relative Humidity, RHmax. (%)	86	85	86	87	84	78	78	78	83	89	90	88	84
(5) Mean min. Relative Humidity, RHmin. (%)	77	74	74	73	70	61	64	64	68	75	79	81	72
(6) Mean Relative Humidity, RHmean (%)	81.5	79.5	80.0	80.0	77.0	69.5	71.0	71.0	75.5	82.0	84.5	84.5	78.0
(7) Wind Speed, V (km/hr)	11.4	11.5	10.0	8.7	8.2	7.9	8.0	8.0	8.4	8.2	8.9	12.3	9.3
(8) Wind Speed, Uday/Unight	1.7	1.5	1.7	2.0	2.1	2.3	2.5	2.4	2.4	2.1	1.7	1.4	2.0
(9) Sunshine Hour, n (hr/day)	6.6	8.1	8.8	8.7	8.5	8.2	8.0	8.3	8.0	7.3	6.7	5.8	7.8

3. Station: Trincomalee Lat.:9 35'N Long.:81 15'E Barometer: 10ft Anemometer:14ft

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
(1) Mean max. Temp., Tmax. (oC)	27.6	28.9	30.8	32.8	34.3	34.3	34.1	34.0	33.9	31.7	29.2	27.9	31.6
(2) Mean min. Temp., Tmin (oC)	24.4	24.6	25.1	25.8	26.4	26.4	25.8	25.5	25.1	24.6	24.1	24.3	25.2
(3) Mean Temp., Tmean (oC)	26.0	26.8	28.0	29.3	30.4	30.4	30.0	29.8	29.5	28.2	26.7	26.1	28.4
(4) Mean max. Relative Humidity, RHmax. (%)	79	79	82	84	80	77	78	77	80	85	86	84	81
(5) Mean min. Relative Humidity, RHmin. (%)	74	72	71	70	65	60	61	60	64	71	78	81	69
(6) Mean Relative Humidity, RHmean (%)	76.5	75.5	76.5	77.0	72.5	68.5	69.5	68.5	72.0	78.0	82.0	82.5	74.9
(7) Wind Speed, V (km/hr)	15.4	11.1	7.8	7.7	12.7	15.8	14.0	13.6	12.0	10.0	10.8	15.5	12.2
(8) Wind Speed, Uday/Unight	1.1	1.2	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.4	1.3	1.2	1.3
(9) Sunshine Hour, n (hr/day)	7.1	8.4	9.1	9.9	8.2	7.8	7.5	8.0	7.5	7.0	5.9	5.5	7.6

Ref. ANNEX-B

Table F.3.3 MONTHLY POTENTIAL EVAPORATION (ETO) WITH COMPARISON OF ETO ESTIMATED BY THE PREVIOUS REPORT

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Anuradhapura	135	152	191	183	191	195	199	216	193	157	121	115	2098
Batticaloa	144	156	189	194	202	191	198	203	187	168	129	122	2083
Trincomalee	163	164	195	193	218	223	215	225	199	168	132	131	2226

COMPARISON OF ETO ESTIMATED BY THE PREVIOUS REPORT

Report	Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
I.S.S. (NEDECO) (Ref. 7)	Anuradhapura	124	136	168	152	168	187	191	197	188	139	108	108	1866
MWRMP (ACRES) (Ref. 18)	Anuradhapura	129	154	178	174	190	212	215	218	223	164	124	113	2094
MWRMP (ACRES) (Ref. 18)	SYSTEM - A (110% of above)	142	169	196	191	209	233	237	240	245	180	136	124	2302
SYSTEM C (HUNTING) (Ref. 9)	Anuradhapura	124	136	168	152	168	187	191	197	188	139	108	108	1866
Moragahakanda (JICA) (Ref. 8)	Mahallupallama	119	125	157	150	163	175	191	193	191	157	109	114	1847
Inginimitiya (JICA) (Ref. 4)	Mahallupallama	119	125	157	150	163	175	191	193	191	157	109	114	1847

Table F.3.4

CROP COEFFICIENT ADOPTED IN THE ESTIMATION FOR THE IRRIGATION WATER REQUIREMENT

Crop	Crop Coefficient							
Paddy 135	1.10	1.15	1.10	0.95	-			
	(30 days)	(60 days)	(15 days)	(15 days)	(15 days)			
Paddy 120	1.10	1.15	1.10	0.95	-			
	(30 days)	(45 days)	(15 days)	(15 days)	(15 days)			
Paddy 105	1.10	1.15	0.95	-				
	(30 days)	(45 days)	(15 days)	(15 days)				
Paddy 90	1.10	1.15	0.95	-				
	(15 days)	(30 days)	(15 days)	(15 days)				
Sugarcane	1.05	1.00	0.90	0.80	0.90	1.00	1.05	
	(60 days)	(30 days)	(30 days)	(90 days)	(30 days)	(30 days)	(90 days)	
Chillie	0.65	0.75	0.85	0.95	1.00	0.95	0.90	
	(15 days)	(15 days)	(15 days)	(15 days)	(60 days)	(15 days)	(15 days)	
Pulse, Maize, etc.	0.40	0.75	1.10	0.90	0.70			
	(15 days)	(15 days)	(30 days)	(15 days)	(15 days)			

Table F.3.5 AVERAGE VALUE OF MONTHLY RAINFALL AT RESPECTIVE STATIONS

	Unit:mm												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kal Aar	179	104	59	76	65	18	73	99	110	201	337	393	1,714
Angamedilla	196	135	94	110	64	5	36	39	72	190	282	388	1,609
Horaborawewa	335	212	118	142	74	16	43	60	76	211	345	455	2,087
Hingurakgoda	175	100	69	113	76	9	56	47	88	205	294	374	1,605
Bakamuna	226	146	96	151	48	4	17	28	42	181	286	420	1,645
Polonnaruwa	195	135	86	125	60	13	65	57	96	207	317	431	1,788
Maha Illupallama	90	59	83	175	92	17	35	31	87	244	262	237	1,411
Anuradhapura	96	56	72	165	94	12	30	35	66	251	240	217	1,335
Mahauswewa	55	44	103	195	104	35	35	24	65	250	246	150	1,307
Maha Oya	268	175	81	104	93	57	102	100	116	190	285	422	1,992
Kanakalayankulam	89	53	46	104	62	13	42	62	98	233	307	293	1,391

Ref. Annex-B

Table F.3.6 AVERAGE VALUE OF POTENTIAL EFFECTIVE RAINFALL FOR PADDY AT RESPECTIVE STATIONS

	Unit:mm												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kal Aar	88.4	49.6	27.3	39.2	31.1	6.6	36.1	50.7	56.4	117.5	166.7	176.3	846
Angamedilla	107.0	67.5	48.3	59.4	28.8	0.7	15.3	17.0	34.0	107.1	152.9	181.6	820
Horaborawewa	163.0	102.9	61.0	78.7	33.6	3.6	17.2	28.4	35.9	122.8	170.7	198.2	1,016
Hingurakgoda	92.7	48.4	32.6	60.5	36.2	2.5	28.5	20.2	42.8	118.1	153.6	173.2	809
Bakamuna	121.3	67.1	49.9	83.4	20.0	0.8	5.9	12.6	18.6	104.6	156.8	189.1	830
Polonnaruwa	102.8	67.9	42.7	67.4	27.6	4.3	30.6	25.1	49.6	118.9	161.0	187.1	885
Maha Illupallama	47.4	25.0	39.9	99.9	46.8	3.5	13.4	13.1	41.9	139.2	146.4	120.7	737
Anuradhapura	52.3	22.9	33.6	91.3	46.3	1.8	11.3	16.2	31.0	138.1	138.4	110.6	694
Mahauswewa	25.4	17.0	53.5	109.8	57.2	13.2	14.2	8.3	31.6	133.7	139.3	76.8	680
Maha Oya	137.2	83.9	38.0	57.1	45.6	24.4	51.9	55.1	60.3	103.8	151.3	183.4	992
Kanakalayankulam	47.5	24.3	19.3	56.2	28.6	5.6	18.2	30.3	49.3	126.1	153.8	142.2	701

Table F.3.7 EFFICIENCY ASSUMPTIONS AND OTHER FACTOR IN PREVIOUS STUDIES

SOURCES	NEDECO	ACRES	HUNTING	NEDECO	NIPPON KOEI	ELECTROWATT	
	(1979)	(1979)	(1979)	(1983)	(1984)	(1986)	
System	REF.7	REF.10	REF.9	REF.17	REF.25	REF.16	
	All Sys.	B	C	All Sys.		H	
(1) Efficiency							
(Paddy)							
- Farm Distribution Efficiency (Ef)	-	0.7	0.73	0.8	-		
- Main Canal (Es)	-	0.9	0.76	0.7	-	P 0.58	
- Overall	0.48	0.63	0.55	0.56	0.66	F 0.65	
(Upland)							
- Farm Distribution Efficiency (Ef)	-	0.5	0.32	0.6	-	0.60	
- Main Canal (Es)	-	0.9	0.76	0.7	-	P 0.58	
- Overall	0.35	0.45	0.25	0.42	-	F 0.65	
(2) Land Preparation							
(Paddy-Yala)							
- Poorly drained	250	180	200	180	250	LHG 250	
- Imperfectly Drained	250	180	300	180	300		
- Well Drained	250	-	500	180	350	RBE 350	
(Paddy-Maha)							
- Poorly Drained	150	180	100	180	200	LHG 250	
- Imperfectly Drained	150	180	200	180	250		
- Well Drained	150	-	300	180	300	RBE 350	
- Overall (Upland)	70	75	-	50	-	(F.Irr.100mm)	
(3) Percolation Rate							
	(A, B, C, E)	(D, H)			Y M		
- Poorly Drained	3	2	2	1-4	2	1 3	LHG 2
- Imperfectly Drained	3	2	6	2-6	-	5 5	
- Well Drained	3	2	-	4-1	6	10 10	RBE 4

SOURCES	ACRES (1985) REF.18									
	A, B, G	C	D	E	H	A, B, G	C	D	E	H
(1) Efficiency										
(Paddy)										
- Farm Distribution Efficiency (Ef)	-	-	-	-	-	-	-	-	-	-
- Main Canal (Es)	-	-	-	-	-	-	-	-	-	-
- Overall	0.6	0.55	M 0.6	0.5	0.58	0.70	0.65	M 0.7	0.60	0.65
(Upland)										
- Farm Distribution Efficiency (Ef)	-----				0.60	-----				
- Main Canal (Es)	0.6	0.55	M 0.6	0.5	0.58	0.70	0.65	M 0.42	0.60	0.65
- Overall	0.36	0.33	M 0.3	0.3	0.35	0.42	0.39	M 0.42	0.36	0.39
(2) Land Preparation										
(Paddy-Yala)										
- Poorly drained	-----				LHG ; 250	-----				
- Imperfectly Drained	-----				RBE ; 350	-----				
- Well Drained	-----					-----				
(Paddy-Maha)										
- Poorly Drained	-----				LGH ; 250	-----				
- Imperfectly Drained	-----					-----				
- Well Drained	-----				LGH ; 350	-----				
- Overall (Upland)	(----- First Irrigation 100mm -----)									
(3) Percolation Rate										
	(A, D, G)			(B)	(C, E, H)					
- Poorly Drained	-----			1	2.5	2	-----			
- Imperfectly Drained	-----						-----			
- Well Drained	-----			2	5	4	-----			

Remarks: Y ; Yala
M ; Maha
LHG ; Low Humic Gley Soil
RBE ; Red Brown Earth

Table F.3.8

BASIC FACTORS FOR ESTIMATION OF IRRIGATION
WATER DEMAND FOR RESPECTIVE IRRIGATION SYSTEMS

System	Percolation (mm/Month)		Land Preparation (mm)			Irrigation Eff. (Case-1 Present)		Irrigation Eff. (Case-2 Future)	
	LHG	RBE	LHG	RBE	Upland	Paddy	Upland	Paddy	Upland
A	60	120	200	300	75	0.56	0.42	0.6	0.45
B	75	150	200	300	75	0.56	0.42	0.6	0.45
C	60	120	200	300	75	0.50	0.37	0.6	0.45
D1	30	60	200	300	75	0.56	0.42	0.6	0.45
D2	30	60	200	300	75	0.56	0.42	0.6	0.45
E	60	120	200	300	75	0.50	0.37	0.6	0.45
F	60	120	200	300	75	0.56	0.42	0.6	0.45
G	60	120	200	300	75	0.56	0.42	0.6	0.45
H	60	120	200	300	75	0.56	0.42	0.6	0.45
IH	60	120	200	300	75	0.56	0.42	0.6	0.45
MH	60	120	200	300	75	0.56	0.42	0.6	0.45
NWDZ	60	120	200	300	75	0.56	0.42	0.6	0.45
I	60	120	200	300	75	0.56	0.42	0.6	0.45
J	60	120	200	300	75	0.56	0.42	0.6	0.45
K	60	120	200	300	75	0.56	0.42	0.6	0.45
L	60	120	200	300	75	0.56	0.42	0.6	0.45
M	60	120	200	300	75	0.56	0.42	0.6	0.45

Table F.3.9 OBSERVED WATER DUTIES IN MAHA AND YALA SEASON

1. Maha Season		Year							Average	Unit : mm
System	Sub Division	1980/81	81/82	82/83	83/84	84/85	85/86	86/87		
H	Kalawewa LB	1,820	1,130	1,320	400	1,320	1,250	1,400	1,234	
	Kalawewa RB	2,560	2,070	1,570	1,160	1,790	1,790	1,820	1,823	
	Kalawewa YE	1,630	1,420	1,050	530	1,660	1,690	1,750	1,390	
	Rajangama	2,990	1,980	NA	NA	2,190	NA	NA	2,387	
	Kandalama	1,770	1,710	1,190	490	1,280	880	1,080	1,200	
	Dambulu Oya	2,160	1,650	2,640	530	1,400	1,590	1,480	1,636	
	Average (H)	2,155	1,660	1,554	622	1,607	1,440	1,506	1,612	
IH	Nachchaduwa	NA	820	970	290	1,050	1,290	1,080	917	
	Nuwarawewa	1,620	1,000	1,280	890	2,020	1,770	NC	1,430	
	Average (IH)	1,620	910	1,125	590	1,535	1,530	1,080	1,173	
MH	Huruluwewa	1,040	910	790	260	340	1,040	1,390	824	
	Average (H, IH, MH)	1,949	1,410	1,351	569	1,450	1,413	1,429	1,427	
D1	Giritale	1,370	1,250	1,040	590	1,490	1,480	1,420	1,234	
	Minneriya	1,070	1,100	890	420	980	1,230	1,010	957	
	Kaudulla	950	1,040	900	200	1,250	960	1,010	901	
	Kantalai	940	1,000	NA	400	1,080	1,200	NA	924	
D2	P.Samudra	1,220	1,550	940	520	1,430	1,140	1,340	1,163	
	Average (D1, D2)	1,110	1,188	943	426	1,246	1,202	1,195	1,036	
B		NA	NA	NA	NA	NA	NA	2,500	2,500	
C		NA	NA	NA	NA	2,030	2,170	2,450	2,217	

2. Yala Season		Year						Average	Unit : mm
System	Subdivision	1981	1982	1983	1984	1985	1986	1987	
H	Kalawewa LB	1,430	3,980	1,070	NA	1,870	1,710	1,290	1,892
	Kalawewa RB	2,860	3,700	NC	1,850	2,020	2,360	1,470	2,377
	Kalawewa YE	1,260	1,070	1,350	1,450	1,590	2,540	1,780	1,577
	Rajangama	2,160	2,220	1,650	NA	NA	NA	NA	2,010
	Kandalama	NA	NA	2,060	1,760	1,760	1,260	1,250	1,618
	Dambulu Oya	NA	NC	1,390	1,450	1,010	1,550	1,380	1,356
	Average (H)	1,928	2,743	1,504	1,628	1,650	1,884	1,434	1,805
	IH	Nachchaduwa	1,520	NC	NC	1,380	1,940	2,410	NC
Nuwarawewa		1,520	NC	NC	3,160	2,010	2,040	NC	2,183
Average (IH)		1,520			2,270	1,975	2,225		1,998
MH	Huruluwewa	1,000	NC	610	1,010	NC	1,420	1,030	1,014
	Average (H, IH, MH)	1,679	2,743	1,355	1,723	1,743	1,911	1,367	1,760
D1	Giritale	1,800	2,170	1,340	1,770	2,000	1,860	1,310	1,750
	Minneriya	1,400	2,120	1,060	1,510	1,680	1,390	1,020	1,454
	Kaudulla	1,070	2,490	1,720	1,540	NA	1,770	2,130	1,787
	Kantalai	NA	NA	NA	NA	1,180	NA	NA	1,180
D2	P.Samudra	1,310	1,200	1,220	1,590	1,740	1,640	1,510	1,459
	Average (D1, D2)	1,395	1,995	1,335	1,603	1,650	1,665	1,493	1,526
B		-	-	-	NA	NA	NA	3,730	3,730
C		-	-	-	2,700	3,270	2,560	2,370	2,725
E		NA	3,000	2,910	3,900	3,460	3,330	NA	3,320

Remarks: The Maha 1983/84 was extremely wet, and water duties were low.
 NA = Reliable data not available
 NC = No Yala Crop

Source : (1) Systems H, IH, D1 and D2
 1981 - 1984 : REF. 18
 1985 - 1987 : REF. 22
 (2) Other System : REF. 22
 (3) System E; ID Office at Hassalaka

Table F.3.10

OBSERVED AND THEORETICAL WATER DUTIES IN SYSTEM-H
IN YALA AND MAHA SEASON

1. Maha Season Unit: mm

System	Sub Division		Year		Average
			84/85	85/86	
H	Kalawewa LB	observed	1,320	1,250	1,285
		theoretical	1,237	1,031	1,134
		ratio	1.07	1.21	1.13
	Kalawewa RB	observed	1,790	1,790	1,790
		theoretical	1,295	1,031	1,163
		ratio	1.38	1.74	1.54
	Kalawewa YE	observed	1,660	1,690	1,675
		theoretical	1,295	1,100	1,198
		ratio	1.28	1.54	1.40
	Rajangana	observed	2,190	NA	2,190
		theoretical	1,030		1,030
		ratio	2.13		2.13
	Kandalama	observed	1,280	880	1,080
		theoretical	1,237	1,100	1,169
		ratio	1.03	0.80	0.92
	Dambulu Oya	observed	1,400	1,590	1,495
		theoretical	1,237	1,100	1,169
		ratio	1.13	1.45	1.28
Average (H)*		observed	1,409	1,440	1,465
		theoretical	1,260	1,072	1,166
		ratio	1.18	1.34	1.26

Remarks: * Except Rajangana

2. Yala Season Unit: mm

System	Subdivision		Year			Average
			1984	1985	1986	
H	Kalawewa LB	observed	NA	1,870	1,710	1,790
		theoretical		1,707	1,637	1,672
		ratio		1.10	1.04	1.07
	Kalawewa RB	observed	1,850	2,020	2,360	2,077
		theoretical	1,525	1,656	1,627	1,603
		ratio	1.21	1.22	1.45	1.30
	Kalawewa YE	observed	1,450	1,590	2,540	1,860
		theoretical	1,546	1,652	1,667	1,622
		ratio	0.94	0.96	1.52	1.15
	Rajangana	observed	NA	NA	NA	
		theoretical				
		ratio				
	Kandalama	observed	1,760	1,760	1,260	1,593
		theoretical	1,565	1,668	1,607	1,613
		ratio	1.12	1.06	0.78	0.99
	Dambulu Oya	observed	1,450	1,010	1,550	1,337
		theoretical	1,574	1,637	1,712	1,641
		ratio	0.92	0.62	0.91	0.81
Average (H)		observed	1,628	1,650	1,884	1,731
		theoretical	1,553	1,664	1,650	1,630
		ratio	1.05	0.99	1.14	1.06

Remarks: NA:Reliable data not available

Table F.3.11 AVERAGE WATER DUTY OF EACH IRRIGATION SYSTEM IN MAHA AND YALA SEASON

(Unit: mm)

System	Water Duty (Case A)*1			Water Duty (Case B)*2		
	Yala	Maha	Total	Yala	Maha	Total
A	1,752.2	1,109.8	2,862.0	1,635.4	1,035.8	2,671.2
B	1,959.2	1,202.5	3,161.7	1,828.5	1,122.4	2,950.9
C	1,827.5	762.8	2,590.3	1,535.2	640.7	2,175.9
D1	1,422.7	852.8	2,275.5	1,327.8	796.0	2,123.8
D1 (Kantalai)	1,613.6	785.2	2,398.8	1,505.9	732.9	2,238.8
D2	1,459.3	748.1	2,207.4	1,362.1	698.2	2,060.3
E	1,797.3	901.8	2,699.1	1,509.8	757.5	2,267.3
F	1,890.4	1,154.7	3,045.1	1,764.4	1,077.7	2,842.1
G	1,765.5	953.0	2,718.5	1,647.8	889.5	2,537.3
H (CI=1.65)	948.6	1,227.6	2,176.2	885.4	1,145.7	2,031.1
H (CI=1.8)	1,177.1	1,227.6	2,404.7	1,098.6	1,145.8	2,244.4
H (CI=2.0)	1,520.1	1,227.6	2,747.7	1,418.7	1,145.8	2,564.5
IH	1,472.3	1,115.4	2,587.7	1,374.1	1,041.1	2,415.2
MH	1,610.1	1,305.0	2,915.1	1,502.8	1,218.0	2,720.8
I	1,568.8	1,257.9	2,826.7	1,464.3	1,174.0	2,638.3
J	1,531.3	956.1	2,487.4	1,429.3	892.3	2,321.6
K	1,692.6	805.1	2,497.7	1,579.8	751.4	2,331.2
L	1,579.9	976.9	2,556.8	1,474.7	911.7	2,386.4
M	1,594.1	1,173.1	2,767.2	1,487.8	1,094.9	2,582.7
NWDZ (NW1)	1,425.5	931.3	2,356.8	1,330.5	869.2	2,199.7
NWDZ (Inginimitiya)	1,388.4	1,038.2	2,426.6	1,295.8	969.0	2,264.8

Remarks: *1 Present condition
*2 Improved condition

Table F.3.12 IRRIGATION AREA APPLIED FOR ESTIMATE OF IRRIGATION WATER DEMAND

					(Unit: ha)					
System	Irrigation Unit	Existing (Committed)	New Area	Total Area	System	Irrigation Unit	Existing (Committed)	New Area	Total Area	
A	Allai	7,000	-	7,000	IH	Nachchaduwa	2,830	-	2,830	
	Kandakadu	13,300	-	13,300		Nuwarawewa	1,100	-	1,100	
	(Sub-total)	20,300	-	20,300		Tissawewa	400	-	400	
B	Maduru Oya	36,500	-	36,500		Bassawakkulam	370	-	370	
	Pinburattewa	1,800	-	1,800		(Sub-total)	4,700	-	4,700	
	Vakaneri	3,700	-	3,700		MH	Huruluwewa	4,300	-	4,300
	(Sub-total)	42,000	-	42,000			Huruluwewa Ext.	-	12,000	12,000
C	Ulhitiya/Ratkinda	22,700	-	22,700	I	(Sub-total)	4,300	12,000	16,300	
	Mapakada-wewa	700	-	700		Mahakandalama	2,800	8,000	10,800	
	Dambara-wewa	600	-	600		Tammannewa	-	27,000	27,000	
	Sorabora-wewa	500	-	500		Maluwatu Oya*	9,900	3,600	13,500	
	(Sub-total)	24,500	-	24,500		Pavat kulam	1,800	-	1,800	
D1	Minneriya	8,900	-	8,900		Iratperiya	200	-	200	
	Giritale	3,000	-	3,000		(Sub-total)	14,700	38,600	53,300	
	Kaudulla	14,500	-	14,500		J	Pali Aru	-	9,000	9,000
	Kantalai	13,500	-	13,500			Vavunikulam	2,800	-	2,800
	Vendarasan	600	-	600			Parangi Aru	-	10,000	10,000
(Sub-total)	40,500	-	40,500	(Sub-total)	2,800	19,000	21,800			
D2	Parakrama Samudra	10,100	-	10,100	K	Kanagalayan	-	9,000	9,000	
E	Minipe LB	6,100	-	6,100	L	Mukunuwewa	-	13,000	13,000	
F	Kalu Ganga	-	1,900	1,900		Padawiya	5,600	-	5,600	
						Kitulgala	-	16,000	16,000	
G	Elahera	5,400	-	5,400	(Sub-total)	5,600	29,000	34,600		
H	Kandalama	4,900	-	4,900	M	Holowupotana	-	15,000	15,000	
	Damburu Oya	2,200	-	2,200		Yan Oya	-	10,000	10,000	
	Kalawewa	27,600	-	27,600	(Sub-total)	-	25,000	25,000		
	Rajangana	6,700	-	6,700	NWDZ	Galgamuwa	-	10,700	10,700	
	Angamuwa	1,000	-	1,000		Inginimitiya	2,550	-	2,550	
(Sub-total)	42,400	-	42,400	(Sub-total)	2,550	10,700	13,250			
					Total		225,950	145,200	371,150	

Remarks: * Including existing Giant tank scheme

Table F.3.13 AVERAGE IRRIGATION WATER DEMANDS AT RESPECTIVE TANKS (Case-1 PRESENT CONDITION)

(Unit: MCM)

System	Tank	Area (ha)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	-	20,300	60.3	47.7	10.2	24.1	99.4	114.9	87.4	26.7	2.5	50.5	36.3	21.0	581.0
B	Maduru Oya	36,500	111.4	111.0	23.2	37.8	153.6	231.9	185.1	97.3	9.6	32.6	115.2	45.3	1154.0
	Pinburattewa	1,800	5.5	5.5	1.1	1.9	7.6	11.4	9.1	4.8	0.5	1.6	5.7	2.2	56.9
	Vakaneri	3,700	11.3	11.3	2.4	3.8	15.6	23.5	18.8	9.9	1.0	3.3	11.7	4.6	117.0
C	Ulhitiya/Ratkinda	22,700	27.5	51.4	17.5	22.9	102.7	121.3	113.5	50.1	3.6	31.1	38.1	8.4	588.0
	Mapakada-wewa	700	0.8	1.6	0.5	0.7	3.2	3.7	3.5	1.5	0.1	1.0	1.2	0.3	18.1
	Dambarawa-wewa	600	0.7	1.4	0.5	0.6	2.7	3.2	3.0	1.3	0.1	0.8	1.0	0.2	15.5
	Sorabora-wewa	500	0.6	1.1	0.4	0.5	2.3	2.7	2.5	1.1	0.1	0.7	0.8	0.2	13.0
D1	Minneriya	8,900	16.0	23.7	9.4	8.8	33.7	38.6	31.4	12.3	1.3	8.8	13.7	4.7	202.5
	Giritale	3,000	5.4	8.0	3.2	3.0	11.4	13.0	10.6	4.2	0.4	3.0	4.6	1.6	68.3
	Kaudulla	14,500	26.1	38.7	15.3	14.4	54.9	62.9	51.1	20.1	2.2	14.3	22.3	7.7	330.0
	Kantalai	13,500	19.0	32.1	29.4	13.7	32.2	54.3	45.3	47.3	25.1	12.1	9.8	3.4	323.8
	Vendarasan	600	1.1	1.6	0.6	0.6	2.3	2.6	2.1	0.8	0.1	0.6	0.9	0.3	13.7
D2	Parakrama Samudra	10,100	16.5	22.5	7.0	8.9	38.1	42.9	37.7	18.1	1.4	12.9	14.3	2.8	223.0
E	-	6,100	8.8	15.0	7.4	7.2	31.2	34.9	28.7	7.8	0.0	6.8	14.1	3.0	164.6
F	Kalu Ganga	1,900	5.0	5.0	0.0	0.1	7.3	11.7	10.8	5.6	0.4	4.0	5.9	2.0	57.9
G	-	5,400	12.7	13.5	2.3	0.1	18.0	30.8	27.8	16.9	1.6	4.1	14.8	4.2	146.8
H *1	Kandalama	4,900	16.6	14.6	3.2	1.6	6.6	12.9	13.0	9.0	2.8	5.1	11.8	9.4	106.6
	Dambulu Oya	2,200	7.4	6.5	1.4	0.7	3.0	5.8	5.9	4.1	1.2	2.3	5.3	4.2	47.9
	Kalawewa	27,600	93.3	82.1	17.9	8.9	37.1	72.9	73.4	50.9	15.7	28.7	66.7	53.1	600.6
	Rajangana	6,700	22.6	19.9	4.3	2.2	9.0	17.7	17.8	12.4	3.8	7.0	16.2	12.9	145.8
	Angamuwa	1,000	3.4	3.0	0.6	0.3	1.3	2.6	2.7	1.8	0.6	1.0	2.4	1.9	21.8
IH	Nachchaduwa	2,830	8.4	8.6	1.9	2.4	10.4	13.5	11.2	3.4	0.7	1.8	6	4.9	73.2
	Nuwarawewa	1,100	3.3	3.3	0.7	0.9	4.1	5.2	4.3	1.3	0.3	0.7	2.3	1.9	28.5
	Tissawewa	400	1.2	1.2	0.3	0.3	1.5	1.9	1.6	0.5	0.1	0.3	0.8	0.7	10.4
	Bassawakkulamu	370	1.1	1.1	0.3	0.3	1.4	1.8	1.5	0.4	0.1	0.2	0.8	0.6	9.6
MH	Huruluwewa	4,300	14.5	14.4	3.2	4.4	17.8	21.7	18.3	5.8	1.2	3.5	11.5	9.2	125.3
	Huruluwewa Ext.	12,000	40.4	40.1	9.0	12.2	49.7	60.5	51.0	16.1	3.4	9.7	32.3	25.6	349.8
I	Mahakandalama	10,800	35.6	35.5	7.8	10.4	43.9	53.9	45.5	13.5	2.0	6.6	27.2	23.3	305.3
	Tammannawa	27,000	89.0	88.6	19.6	26.1	109.9	134.8	113.7	33.8	4.9	16.6	67.9	58.3	763.2
	Malwatu Oya	13,500	44.5	44.3	9.8	13.0	54.9	67.4	56.9	16.9	2.5	8.3	34.0	29.1	381.6
	Pavat Kulam	1,800	5.9	5.9	1.3	1.7	7.3	9.0	7.6	2.3	0.3	1.1	4.5	3.9	50.9
	Iratperiya	200	0.7	0.7	0.1	0.2	0.8	1.0	0.8	0.3	0.0	0.1	0.5	0.4	5.7
J	Pali Aru	9,000	26.8	24.6	4.3	0.3	25.7	45.1	43.2	22.0	1.2	4.2	16.0	10.4	223.9
	Vavunikulam	2,800	8.4	7.6	1.3	0.1	8.0	14.0	13.4	6.8	0.4	1.3	5.0	3.2	69.6
	Parangi Aru	10,000	29.8	27.3	4.8	0.4	28.6	50.1	48.0	24.4	1.3	4.6	17.8	11.6	248.7
K	Kanagalayan	9,000	24.1	22.2	3.8	0.4	30.1	49.8	46.6	23.8	1.3	3.3	11.9	7.5	224.8
L	Mukunuwewa	13,000	39.0	31.5	4.6	0.5	39.1	67.2	64.0	32.5	1.7	12.2	25.5	14.5	332.4
	Padawiya	5,600	16.8	13.6	2.0	0.2	16.9	29.0	27.6	14.0	0.7	5.3	11.0	6.2	143.2
	Kitulgala	16,000	48.0	38.8	5.7	0.6	48.2	82.8	78.7	40.0	2.1	15.1	31.4	17.8	409.1
M	Horowupotana	15,000	50.5	43.9	10.5	0.9	45.9	79.5	73.1	37.0	2.4	14.5	33.2	23.7	415.1
	Yan Oya	10,000	33.6	29.3	7.0	0.6	30.6	53.0	48.8	24.6	1.6	9.7	22.2	15.8	276.7
NWDZ	Gaigamuwa	10,700	33.3	19.3	0.0	6.9	33.5	44.7	45.2	19.4	2.2	14.7	15.8	16.9	252.2
	Inginimitiya	2,550	8.5	4.9	0.0	3.3	11.3	12.3	8.5	0.0	0.0	3.0	4.8	5.3	61.9
-	Galiodal Aru	10,500	15.9	20.1	6.2	10.5	43.3	46.6	34.2	7.0	0.4	8.5	18.3	5.7	216.7
	Maha Oya	3,300	5.5	5.1	0.3	4.2	13.5	13.6	9.3	1.4	0.4	4.7	6.5	2.1	66.6
	Rambukan Oya	3,000	5.2	5.3	0.1	4.0	12.7	12.7	8.6	1.2	0.4	4.1	6.4	2.0	62.7
	Rukam Oya	4,200	7.3	7.4	0.2	5.6	17.8	17.7	12.0	1.7	0.5	5.8	8.9	2.8	87.8
	Magalavatavan	13,400	13.9	15.2	4.1	16.3	62.6	63.5	49.6	13.1	1.7	8.3	18.2	5.9	272.3
	Unnichchi	5,400	5.6	6.1	1.6	6.6	25.2	25.6	20.0	5.3	0.7	3.3	7.3	2.4	109.7

Remarks: *1 Crop Intensity CI=1.65

*2 Including Water Demand at Existing Giant Tank

Table F.3.14 AVERAGE IRRIGATION WATER DEMANDS AT RESPECTIVE TANKS (Case-2 IMPROVED CONDITION)

System	Tank	Area (ha)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	-	20,300	56.3	44.5	9.5	22.5	92.8	107.2	81.5	24.9	2.4	47.1	33.9	19.6	542.3
B	Maduru Oya	36,500	104.0	103.6	21.7	35.3	143.4	216.5	172.7	90.8	8.9	30.4	107.5	42.3	1077.1
	Pinburattewa	1,800	5.1	5.1	1.1	1.7	7.1	10.7	8.5	4.5	0.4	1.5	5.3	2.1	53.1
	Vakaneri	3,700	10.5	10.5	2.2	3.6	14.5	21.9	17.5	9.2	0.9	3.1	10.9	4.3	109.2
C	Ulhitiya/Ratkinda	22,700	23.1	43.2	14.7	19.2	86.3	101.9	95.3	42.1	3.0	26.1	32.0	7.0	493.9
	Mapakada	700	0.7	1.3	0.5	0.6	2.7	3.1	2.9	1.3	0.1	0.8	1.0	0.2	15.2
	Dambarawa	600	0.6	1.1	0.4	0.5	2.3	2.7	2.5	1.1	0.1	0.7	0.8	0.2	13.1
	Sorabora	500	0.5	1.0	0.3	0.4	1.9	2.2	2.1	0.9	0.1	0.6	0.7	0.2	10.9
D1	Minneriya	8,900	15.0	22.2	8.8	8.2	31.5	36.1	29.3	11.5	1.2	8.2	12.7	4.4	189.0
	Giritale	3,000	5.0	7.5	3.0	2.8	10.6	12.2	9.9	3.9	0.4	2.8	4.3	1.5	63.7
	Kandulla	14,500	24.4	36.1	14.3	13.4	51.3	58.7	47.7	18.7	2.0	13.3	20.8	7.2	308.0
	Kantalal	13,500	17.8	30.0	27.5	12.8	30.0	50.7	42.3	44.1	23.4	11.3	9.2	3.2	302.2
	Vendarasan	600	1.0	1.5	0.6	0.6	2.1	2.4	2.0	0.8	0.1	0.6	0.9	0.3	12.7
D2	Parakrama Samudra	10,100	15.4	21.0	6.5	8.3	35.6	40.0	35.2	16.9	1.3	12.0	13.3	2.6	208.1
E	-	6,100	7.4	12.6	6.2	6.0	26.2	29.3	24.1	6.5	0.0	5.7	11.8	2.5	138.3
F	Kalu Ganga	1,900	4.7	4.7	0.0	0.1	6.8	10.9	10.1	5.2	0.3	3.8	5.5	1.9	54.0
G	-	5,400	11.9	12.6	2.1	0.1	16.8	28.8	25.9	15.7	1.5	3.9	13.8	3.9	137.0
H *1	Kandalama	4,900	15.5	13.6	3.0	2.8	11.7	21.2	19.3	11.5	2.6	4.8	11.0	8.8	125.7
	Dambulu Oya	2,200	6.9	6.1	1.3	1.2	5.3	9.5	8.6	5.2	1.2	2.1	5.0	3.9	56.4
	Kalawewa	27,600	87.1	76.6	16.7	15.6	66.1	119.3	108.5	64.8	14.6	26.8	62.2	49.5	707.8
	Rajangana	6,700	21.1	18.6	4.0	3.8	16.1	29.0	26.3	15.7	3.6	6.5	15.1	12.0	171.8
	Angamuwa	1,000	3.2	2.8	0.6	0.6	2.4	4.3	3.9	2.3	0.5	1.0	2.3	1.8	25.6
IH	Nachchaduwa	2,830	7.9	8.0	1.8	2.2	9.7	12.6	10.4	3.2	0.7	1.7	5.6	4.6	68.3
	Nuwarawewa	1,100	3.1	3.1	0.7	0.9	3.8	4.9	4.0	1.2	0.3	0.7	2.2	1.8	26.6
	Tissawewa	400	1.1	1.1	0.3	0.3	1.4	1.8	1.5	0.4	0.1	0.2	0.8	0.6	9.7
	Bassawakkulamu	370	1.0	1.0	0.2	0.3	1.3	1.6	1.4	0.4	0.1	0.2	0.7	0.6	8.9
MH	Huruluwewa	4,300	13.5	13.4	3.0	4.1	16.6	20.2	17.1	5.4	1.1	3.3	10.8	8.5	117.0
	Huruluwewa Ext.	12,000	37.7	37.4	8.4	11.3	46.4	56.5	47.6	15.0	3.2	9.1	30.1	23.8	326.5
I	Mahakandalama	10,800	33.2	33.1	7.3	9.7	41.0	50.3	42.5	12.6	1.8	6.2	25.4	21.8	284.9
	Tammannewa	27,000	83.1	82.7	18.3	24.3	102.5	125.8	106.1	31.6	4.6	15.5	63.4	54.4	712.3
	Malwatu Oya *2	13,500	41.5	41.4	9.1	12.2	51.3	62.9	53.1	15.8	2.3	7.7	31.7	27.2	356.2
	Pavat Kulam	1,800	5.5	5.5	1.2	1.6	6.8	8.4	7.1	2.1	0.3	1.0	4.2	3.6	47.5
	Iratperiya	200	0.6	0.6	0.1	0.2	0.8	0.9	0.8	0.2	0.0	0.1	0.5	0.4	5.3
J	Pali Aru	9,000	25.1	22.9	4.0	0.3	24.0	42.1	40.3	20.5	1.1	3.9	15.0	9.7	208.9
	Vavunikulam	2,800	7.8	7.1	1.3	0.1	7.5	13.1	12.5	6.4	0.3	1.2	4.7	3.0	65.0
	Parangi Aru	10,000	27.8	25.5	4.5	0.3	26.7	46.8	44.8	22.8	1.2	4.3	16.6	10.8	232.2
K	Kenagalayan	9,000	22.5	20.7	3.6	0.3	28.1	46.5	43.5	22.2	1.2	3.0	11.1	7.0	209.8
L	Mukunuwewa	13,000	36.4	29.4	4.3	0.4	36.5	62.8	59.7	30.4	1.6	11.4	23.8	13.5	310.2
	Padawiya	5,600	15.7	12.7	1.9	0.2	15.7	27.0	25.7	13.1	0.7	4.9	10.3	5.8	133.6
	Kitulgala	16,000	44.8	36.2	5.3	0.5	44.9	77.2	73.5	37.4	1.9	14.1	29.3	16.6	381.8
M	Horowupotana	15,000	47.1	41.0	9.8	0.8	42.9	74.2	68.3	34.5	2.2	13.6	31.0	22.1	387.4
	Yan Oya	10,000	31.4	27.3	6.5	0.5	28.6	49.5	45.5	23.0	1.5	9.0	20.7	14.8	258.3
MWDZ	Galgamuwa	10,700	31.1	18.0	0.0	6.5	31.3	41.7	42.2	18.1	2.1	13.7	14.8	15.8	235.4
	Inginimitiya	2,550	7.9	4.6	0.0	3.1	10.5	11.5	7.9	0.0	0.0	2.8	4.5	4.9	57.8
	Gallodai Aru	10,500	14.8	18.8	5.8	9.8	40.4	43.5	31.9	6.5	0.4	7.9	17.0	5.4	202.2
	Maha Oya	3,300	5.1	4.8	0.3	3.9	12.6	12.7	8.7	1.3	0.4	4.4	6.0	1.9	62.2
	Rumbukan Oya	3,000	4.9	4.9	0.1	3.8	11.9	11.8	8.0	1.1	0.3	3.8	6.0	1.9	58.5
	Rukam Oya	4,200	6.8	6.9	0.2	5.3	16.6	16.6	11.2	1.6	0.5	5.4	8.3	2.7	81.9
	Magalavatavan	13,400	12.9	14.2	3.8	15.2	58.4	59.3	46.3	12.2	1.6	7.7	17.0	5.6	254.2
	Unnichchi	5,400	5.2	5.7	1.5	6.1	23.6	23.9	18.7	4.9	0.7	3.1	6.8	2.2	102.4

Remarks: *1 Crop Intensity CI=2.0

*2 Including Water Demand at Existing Giant Tank

Table F.3.15 SAMPLE CALCULATION OF IRRIGATION WATER DEMAND (1/2)

SUMMARY OF CROP AND BASIC ASSUMPTION
IN SYSTEM D1 ; GIRITARE, MINNERIYA, KAUDULLA & VENDARASAN

NO.	Crop	Cultiva. Area (Ha)	Date of Water Issue	Land Preparation Period (Months)
	TOTAL PROJECT AREA :	27000.		
1	PADDY(105 DAYS) LHG	7200.	APR 15	1.5
2	PADDY(90 DAYS) LHG	13100.	APR 15	1.5
3	PADDY(105 DAYS) RBE	900.	APR 15	1.5
4	PADDY(90 DAYS) RBE	1700.	APR 15	1.0
5	CHILLIES	1400.	APR 15	1.5
6	PULSES, MAIZE, ETC	2700.	MAY 1	1.0
7	PADDY(135 DAYS) LHG	13900.	OCT 15	1.0
8	PADDY(120 DAYS) LHG	6400.	NOV 1	1.5
9	PADDY(135 DAYS) RBE	3600.	OCT 15	1.0
10	PADDY(120 DAYS) RBE	1700.	NOV 1	1.5
11	PULSES, MAIZE, ETC	1400.	NOV 1	1.0

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Conveyance Efficiency	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Return Flow Factor	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

Land Preparation	200.	mm	300.	mm
Percolation Losses	30.	mm	60.	mm
Pre-irrigation for Upland Crops	75.	mm		

SAMPLE INTERMEDIATE OUTPUT < 1949 >

1. Crop No. 3 PADDY(105 DAYS) LHG

Land Preparation Requirement	200.	mm
Percolation Losses	30.	mm
Period of Land Preparation	1.5	Month(s)
Date of Water Issue	April	15

Item	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Kc	0.00	0.00	0.00	0.00	0.55	1.12	1.12	0.51	0.00	0.00	0.00	0.00
ETc	135.0	152.0	191.0	183.0	191.0	195.0	199.0	216.0	193.0	157.0	121.0	115.0
ETc	0.0	0.0	0.0	0.0	105.1	219.4	222.2	109.8	0.0	0.0	0.0	0.0
R	193.0	56.0	71.0	143.0	7.0	0.0	101.0	86.0	17.0	206.0	269.0	493.0
ER	0.0	0.0	0.0	13.2	0.0	0.0	50.9	20.4	0.0	0.0	0.0	0.0
LP	0.0	0.0	0.0	66.7	133.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRC	0.0	0.0	0.0	0.0	15.0	30.0	30.0	15.0	0.0	0.0	0.0	0.0
FWR	0.0	0.0	0.0	53.5	253.4	249.4	201.3	104.4	0.0	0.0	0.0	0.0
Ea	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
DWD	0.0	0.0	0.0	95.5	452.5	445.3	359.5	186.4	0.0	0.0	0.0	0.0

Total Irrigation Demand : 1539.1 mm

Remarks : Kc : Crop Coefficient
ETc : Crop Evapotranspiration
ER : Effective Rainfall
PRC : Percolation Loss
Ea : Overall Efficiency
Ef : Field Efficiency(Upland crop)

ETo : Potential Evapotranspiration
R : Rainfall
LP : Land Preparation
FWR : Farm Water Requirement
DWD : Diversion Water Demands

Table F.3.15 SAMPLE CALCULATION OF IRRIGATION WATER DEMAND (2/2)

SUMMARY OF WATER DEMAND FOR EACH CROP IN 1949
(SAMPLE INTERMEDIATE OUTPUT)

1. Unit Diversion Water Requirement

Crop NO.	(Unit: mm)											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.0	0.0	95.5	452.5	445.3	359.5	186.4	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	95.5	455.3	451.1	285.7	57.8	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	155.0	598.3	498.9	413.0	213.2	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	232.6	633.9	507.6	283.1	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	49.6	263.4	371.4	259.6	340.8	408.7	85.7	0.0	0.0
7	129.8	308.3	80.6	0.0	0.0	0.0	0.0	0.0	0.0	124.4	105.1	0.0
8	127.8	315.1	169.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140.7	0.0
9	183.4	361.8	94.0	0.0	0.0	0.0	0.0	0.0	0.0	213.7	234.5	0.0
10	181.4	368.6	196.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	268.6	56.0
11	9.4	142.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	0.0

2. Diversion Water Requirement

Crop NO.	(Unit: MCM)											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0	0.0	0.0	6.9	32.6	32.1	25.9	13.4	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	12.5	59.6	59.1	37.4	7.6	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	1.4	5.4	4.5	3.7	1.9	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	4.0	10.8	8.6	4.8	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.7	3.7	5.2	3.6	4.8	5.7	1.2	0.0	0.0
6	0.0	0.0	0.0	0.0	5.8	9.4	8.0	5.0	0.0	0.0	0.0	0.0
7	18.0	42.8	11.2	0.0	0.0	0.0	0.0	0.0	0.0	17.3	14.6	0.0
8	8.2	20.2	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
9	6.6	13.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	7.7	8.4	0.0
10	3.1	6.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.0
11	0.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
TOTAL	36.0	84.3	28.8	25.4	117.9	118.9	83.5	32.7	5.7	26.2	37.3	1.0

DIVERSION WATER REQUIREMENT FOR SYSTEM D1; GIRITALE, MINNERIYA
(TOTAL AREA : 27000. Ha)

YEAR	(Unit: MCM)												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1949	36.0	84.3	28.8	25.4	117.9	118.9	83.5	32.7	5.7	26.2	37.3	1.0	597.8
1950	56.1	72.1	19.3	31.1	88.0	118.9	109.5	31.1	4.9	32.4	55.9	39.1	658.5
1951	0.0	68.2	32.1	25.4	81.4	118.4	109.4	40.0	3.7	32.7	14.3	34.2	559.9
1952	0.0	84.3	33.2	26.9	98.1	118.8	106.0	42.6	2.6	30.0	64.2	34.8	641.5
1953	20.6	86.9	33.4	19.9	118.2	118.7	41.6	34.9	4.3	26.8	56.9	1.0	557.2
1954	11.4	91.4	18.6	23.6	118.2	118.9	87.7	39.7	6.2	27.3	64.2	1.0	608.2
1955	13.2	62.4	30.6	23.2	110.1	118.9	110.0	31.9	3.5	33.9	66.0	36.0	639.8
1956	45.9	87.5	33.4	28.6	118.2	101.0	110.0	40.6	6.2	24.5	33.0	8.9	637.8
1957	64.0	22.1	33.4	29.8	92.2	118.5	93.7	39.3	4.9	26.9	14.3	1.0	540.2
1958	23.0	65.7	24.5	29.2	104.8	118.8	109.1	23.3	4.8	30.5	51.5	25.6	610.8
1959	42.0	94.5	33.4	26.8	91.9	107.2	109.8	41.8	4.8	21.9	16.7	8.8	599.7
1960	9.0	0.8	29.9	22.4	63.7	118.6	64.4	40.4	2.4	27.4	14.3	59.1	452.5
1961	0.0	33.7	20.2	26.3	106.8	118.1	109.4	42.6	5.3	23.7	27.5	1.0	514.6
1962	34.7	78.5	26.8	27.3	109.3	118.9	110.1	31.8	2.8	29.7	50.0	25.9	645.8
1964	53.1	59.2	23.4	30.6	91.9	118.9	82.9	41.6	4.6	27.7	76.3	49.3	659.6
1965	69.0	45.1	33.4	22.0	64.2	118.9	109.2	28.0	6.2	18.1	14.3	1.0	529.3
1966	42.6	94.3	20.4	25.7	118.2	118.8	109.7	37.0	2.1	18.1	14.3	24.4	625.6
1967	88.8	72.7	27.0	29.0	111.6	118.5	109.9	41.9	4.2	18.9	14.3	1.0	637.7
1968	50.8	94.7	21.9	29.3	117.6	118.9	110.1	32.8	2.7	27.2	47.7	25.0	678.7
1969	71.6	82.1	33.4	24.7	117.4	118.9	82.9	36.2	2.0	19.8	34.3	1.0	624.1
1970	59.4	31.3	30.5	23.3	100.3	111.0	110.0	28.7	4.9	34.4	33.2	1.5	568.6
1971	26.7	72.4	31.3	21.5	90.3	117.9	104.4	36.3	5.5	32.6	72.5	1.0	612.4
1972	75.2	94.7	33.4	26.3	85.5	118.9	110.1	42.6	0.0	20.6	14.3	2.9	624.7
1973	92.1	83.7	30.8	30.4	108.7	99.3	43.5	41.8	3.7	29.6	83.1	1.0	647.6
1974	92.1	84.0	33.4	27.3	77.7	118.9	110.1	42.4	3.9	36.8	77.1	1.0	704.7
1975	52.8	84.0	29.3	24.0	86.6	118.9	47.9	34.9	2.8	35.1	44.8	34.8	596.0
1976	89.1	94.3	33.4	24.6	117.4	118.9	104.4	37.8	5.4	32.7	24.5	1.0	683.5
1977	71.9	90.4	30.2	31.1	114.7	118.9	100.2	39.1	0.6	18.3	14.3	1.0	630.7
1978	75.9	94.4	27.3	29.9	116.1	118.9	88.6	42.6	6.2	18.1	14.3	1.0	633.2
1979	91.5	79.5	29.7	29.7	108.2	118.9	110.1	25.5	4.5	25.1	14.3	25.9	662.8
1980	92.1	94.7	33.4	22.9	109.9	118.6	110.1	42.6	4.6	26.2	34.8	4.7	694.7
1981	52.8	54.5	32.1	27.5	97.2	118.9	39.4	30.3	4.1	23.7	91.3	4.0	576.0
1982	92.1	94.7	29.1	27.5	67.2	118.1	110.1	42.6	4.8	18.4	14.3	1.0	619.9
1983	90.4	94.7	33.4	31.2	107.6	118.7	98.6	42.6	5.7	20.6	56.4	1.0	701.0
1984	0.0	0.8	25.6	25.9	118.3	118.9	90.5	38.7	1.1	32.4	56.7	60.7	569.5
1985	12.0	78.5	28.6	30.3	114.7	118.8	85.7	42.4	2.8	36.6	63.1	1.0	614.5
1986	51.5	88.8	17.7	29.9	109.0	116.6	106.6	37.0	5.9	20.2	83.7	22.6	689.5
MEAN	48.7	72.0	28.5	26.8	102.3	117.2	95.2	37.4	4.0	26.6	41.4	14.4	614.4

Table F.3.16 (1/26) IRRIGATION WATER DEMAND AT SYSTEM A
(Present Condition, Irrigation Area : 20,300 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	76.9	59.5	10.4	18.5	89.7	117.7	100.4	31.7	4.5	66.0	48.0	5.8	629.0
1950	75.0	45.7	10.9	26.1	96.9	117.7	100.6	29.0	1.9	52.8	28.1	5.8	590.5
1951	13.5	48.5	10.6	21.5	90.8	117.7	81.2	28.7	0.0	63.1	22.8	34.1	532.5
1952	13.5	56.0	11.3	22.9	106.0	117.7	84.6	31.8	2.8	66.0	32.9	11.2	556.8
1953	13.5	59.3	10.4	23.0	109.7	117.5	71.3	21.5	2.5	52.6	54.9	62.5	598.5
1954	42.2	59.7	9.4	21.3	109.7	116.9	99.6	26.6	3.8	52.4	70.5	5.8	618.0
1955	20.1	45.9	11.3	22.2	93.3	117.7	86.0	15.5	2.0	47.5	85.0	46.8	593.4
1956	70.0	49.6	11.3	26.4	109.6	96.0	97.8	31.1	2.0	37.9	16.1	13.8	561.7
1957	65.2	45.6	11.3	26.4	82.6	117.7	76.1	33.6	3.1	40.9	16.1	5.8	524.5
1958	69.5	54.2	10.6	23.1	106.0	117.7	100.0	14.8	4.3	52.6	39.9	21.9	614.4
1959	45.0	59.6	11.3	24.2	103.4	106.5	100.4	28.3	3.0	44.2	17.9	47.9	591.9
1960	26.3	7.2	11.3	25.3	99.4	117.7	52.2	15.1	3.4	64.8	16.1	64.7	503.6
1961	24.5	35.9	10.3	26.0	97.9	117.7	77.7	33.9	2.2	47.7	16.1	5.8	495.8
1962	22.8	56.8	10.7	24.8	99.6	117.7	100.4	32.7	4.4	49.4	40.3	34.6	594.3
1963	13.5	23.0	7.8	25.6	109.2	103.4	77.0	23.8	2.5	50.7	16.1	5.8	458.5
1964	67.8	50.0	10.1	26.2	105.1	117.7	55.4	19.3	3.9	53.0	66.7	62.3	637.4
1965	80.5	12.2	10.4	20.8	90.8	117.7	100.2	7.3	1.0	32.1	16.1	5.8	495.0
1966	61.4	59.1	3.1	23.9	109.4	117.5	100.1	14.5	0.8	31.9	16.1	5.8	543.7
1967	76.9	45.1	11.2	25.7	109.1	117.2	84.4	23.6	1.5	43.8	16.1	5.8	560.5
1968	63.8	59.7	5.8	25.2	109.6	114.1	100.6	33.2	2.0	55.1	22.8	6.9	598.8
1969	71.2	47.4	11.3	22.9	109.0	117.7	99.5	11.8	1.8	44.6	28.1	5.8	571.2
1970	53.1	21.8	10.2	23.1	85.3	111.6	100.4	28.8	4.1	50.9	16.1	5.8	511.4
1971	52.4	54.2	11.3	26.4	94.8	117.5	99.8	26.0	1.9	43.6	71.0	5.8	604.7
1972	86.9	59.6	11.3	26.2	46.2	113.9	67.1	33.6	2.3	31.9	29.7	5.8	514.7
1973	91.4	59.3	11.3	26.4	102.8	76.2	73.8	30.4	1.4	34.0	77.3	5.8	590.1
1974	91.7	52.3	11.3	24.1	97.1	117.5	94.8	31.0	0.0	70.9	81.6	31.3	703.5
1975	73.8	47.0	8.4	26.4	106.4	117.7	93.4	24.3	3.1	49.1	16.1	34.6	600.4
1976	90.5	59.6	11.3	20.6	100.0	117.7	86.0	23.4	3.2	58.0	57.0	5.8	633.2
1977	79.3	50.8	10.0	26.4	105.1	116.8	90.0	31.5	0.0	43.1	29.9	33.2	616.0
1978	55.7	58.8	10.7	23.7	89.7	117.7	79.1	33.9	2.0	31.9	16.1	5.8	525.2
1979	79.3	48.8	10.1	23.6	109.1	117.7	100.0	31.3	0.0	47.2	16.1	46.8	630.1
1980	91.7	59.7	11.3	22.3	99.6	117.4	100.6	33.4	4.1	56.5	71.2	47.0	714.9
1981	63.1	44.8	11.3	24.5	97.1	116.9	38.2	18.9	2.8	41.1	84.1	11.5	554.2
1982	91.7	59.7	10.1	23.5	70.3	117.3	100.6	33.9	3.9	70.9	16.1	5.8	603.9
1983	91.7	59.7	11.3	26.4	109.5	117.6	99.9	33.9	4.3	70.7	16.1	5.8	647.1
1984	13.5	7.2	8.4	19.1	109.3	117.7	91.3	30.3	2.9	60.4	16.1	52.2	528.5
1985	81.2	47.7	11.3	26.0	109.7	117.6	58.9	30.3	3.7	64.0	52.8	5.8	609.1
1986	91.3	40.4	6.1	26.4	109.3	117.7	100.6	31.0	2.9	44.1	25.1	26.2	621.1
MEAN	60.3	47.7	10.2	24.1	99.4	114.9	87.4	26.7	2.5	50.5	36.3	21.0	581.0

Table F.3.16 (2/26) IRRIGATION WATER DEMAND AT MADURU OYA (B)
(Present Condition, Irrigation Area : 36,500 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	102.5	116.5	27.7	38.7	165.7	235.3	196.6	104.3	11.8	31.8	111.9	24.3	1167.1
1950	129.1	137.1	17.1	43.2	154.4	235.3	205.4	92.3	12.3	36.6	144.7	92.9	1300.4
1951	36.4	115.8	24.0	37.3	165.9	235.3	190.6	101.8	7.1	39.3	84.5	59.1	1097.0
1952	36.4	108.8	26.1	37.4	144.1	235.3	191.4	107.0	8.9	33.7	140.2	74.0	1143.2
1953	90.1	123.1	24.2	33.3	166.7	221.6	141.2	102.9	7.7	29.6	121.4	24.3	1086.2
1954	61.4	119.8	14.0	38.3	166.7	235.3	175.2	96.2	12.9	32.7	140.8	24.3	1117.7
1955	75.6	116.9	27.3	37.6	159.4	235.3	205.4	80.4	6.1	34.4	168.6	105.6	1252.5
1956	132.7	132.3	24.4	38.7	166.6	194.2	204.4	98.5	12.8	31.6	100.1	44.9	1181.3
1957	138.6	46.7	28.5	40.5	135.2	235.1	191.8	105.9	12.4	33.7	84.5	24.3	1077.4
1958	102.9	122.4	21.9	39.9	154.9	235.3	205.4	74.5	11.9	32.1	127.2	24.3	1152.7
1959	72.8	147.2	28.3	39.1	164.1	233.7	205.4	104.3	8.3	25.1	91.5	57.1	1177.0
1960	70.1	32.4	23.3	28.8	124.8	235.3	154.4	105.5	11.6	37.4	115.1	113.3	1051.9
1961	36.4	64.5	21.9	38.2	131.1	234.8	205.4	107.0	12.6	35.3	88.3	24.3	999.7
1962	96.4	131.6	24.3	39.2	150.2	235.3	204.9	105.0	8.0	34.2	133.8	76.0	1238.9
1963	36.4	65.5	22.0	33.2	161.2	235.1	193.6	106.7	7.7	33.4	84.5	24.3	1003.5
1964	116.0	76.9	11.2	40.0	161.7	235.3	169.7	100.4	10.2	38.0	152.8	102.3	1214.5
1965	142.3	32.4	28.5	34.9	126.1	233.7	205.4	76.3	12.9	30.8	84.5	24.3	1032.1
1966	83.1	147.1	17.6	32.1	166.5	235.0	204.9	83.6	11.0	25.1	105.2	24.3	1135.6
1967	160.0	90.7	25.7	39.6	166.0	235.3	205.4	106.9	12.4	29.9	84.5	24.3	1180.7
1968	129.1	148.1	20.6	39.0	166.6	235.3	205.4	106.0	11.8	33.2	99.5	79.5	1274.0
1969	139.5	140.4	27.5	30.6	166.7	235.3	172.6	91.2	11.8	29.4	166.4	24.3	1235.7
1970	108.3	50.8	28.0	34.2	132.0	201.5	205.4	87.5	11.7	31.8	84.5	34.7	1010.4
1971	110.1	118.4	17.7	35.6	163.8	235.3	150.5	49.5	12.8	32.7	142.1	24.3	1092.9
1972	171.8	148.1	28.5	37.1	133.8	235.3	204.4	106.9	1.9	25.1	84.5	24.3	1201.7
1973	179.0	112.9	26.3	42.4	146.4	214.7	72.1	100.9	1.9	33.5	84.5	24.3	1038.8
1974	180.4	135.6	27.2	36.8	153.5	235.3	205.4	106.5	7.0	41.4	138.3	70.1	1337.3
1975	122.8	92.8	14.6	34.5	139.3	235.3	67.6	88.9	12.9	32.2	108.4	24.3	973.4
1976	87.8	147.2	28.4	41.2	166.7	224.3	204.0	93.0	8.9	36.2	84.5	24.3	1146.5
1977	120.1	137.5	18.9	34.5	137.0	234.9	143.3	91.9	6.9	29.8	84.5	24.3	1063.5
1978	163.6	130.1	21.5	43.2	166.2	235.3	203.5	107.0	12.9	26.4	84.5	24.3	1218.6
1979	162.7	107.0	25.0	41.4	165.9	235.3	204.9	93.9	8.2	31.9	84.5	32.1	1192.9
1980	179.2	148.1	28.4	36.7	158.8	235.3	205.4	107.0	10.3	31.1	119.2	81.9	1341.4
1981	123.2	101.7	27.3	41.3	147.9	235.3	173.9	99.7	7.4	31.9	161.3	50.8	1201.8
1982	179.1	147.1	20.6	40.0	121.8	233.7	203.6	92.6	5.3	35.5	111.9	24.3	1215.5
1983	177.3	148.1	28.5	43.2	148.5	234.4	160.7	106.8	12.9	30.2	167.1	24.3	1282.1
1984	36.4	32.4	11.1	32.0	166.7	235.3	204.2	106.3	2.2	37.7	102.6	110.2	1077.0
1985	87.8	120.2	24.2	40.9	166.5	235.3	195.3	97.6	5.3	38.2	140.5	24.3	1176.1
1986	55.2	125.3	19.4	41.9	157.0	234.7	194.8	105.5	12.7	25.7	163.5	27.9	1163.5
MEAN	111.4	111.0	23.2	37.8	153.6	231.9	185.1	97.3	9.6	32.6	115.2	45.3	1154.0

Table F.3.16 (3/26)

IRRIGATION WATER DEMAND AT PINBURATTEWA (B)
(Present Condition, Irrigation Area : 1,800 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	5.1	5.7	1.4	1.9	8.2	11.6	9.7	5.1	0.6	1.6	5.5	1.2	57.6
1950	6.4	6.8	0.8	2.1	7.6	11.6	10.1	4.6	0.6	1.8	7.1	4.6	64.1
1951	1.8	5.7	1.2	1.8	8.2	11.6	9.4	5.0	0.4	1.9	4.2	2.9	54.1
1952	1.8	5.4	1.3	1.8	7.1	11.6	9.4	5.3	0.4	1.7	6.9	3.7	56.4
1953	4.4	6.1	1.2	1.6	8.2	10.9	7.0	5.1	0.4	1.5	6.0	1.2	53.6
1954	3.0	5.9	0.7	1.9	8.2	11.6	8.6	4.7	0.6	1.6	6.9	1.2	55.1
1955	3.7	5.8	1.3	1.9	7.9	11.6	10.1	4.0	0.3	1.7	8.3	5.2	61.8
1956	6.5	6.5	1.2	1.9	8.2	9.6	10.1	4.9	0.6	1.6	4.9	2.2	58.3
1957	6.8	2.3	1.4	2.0	6.7	11.6	9.5	5.2	0.6	1.7	4.2	1.2	53.1
1958	5.1	6.0	1.1	2.0	7.6	11.6	10.1	3.7	0.6	1.6	6.3	1.2	56.8
1959	3.6	7.3	1.4	1.9	8.1	11.5	10.1	5.1	0.4	1.2	4.5	2.8	58.0
1960	3.5	1.6	1.1	1.4	6.2	11.6	7.6	5.2	0.6	1.8	5.7	5.6	51.9
1961	1.8	3.2	1.1	1.9	6.5	11.6	10.1	5.3	0.6	1.7	4.4	1.2	49.3
1962	4.8	6.5	1.2	1.9	7.4	11.6	10.1	5.2	0.4	1.7	6.6	3.7	61.1
1963	1.8	3.2	1.1	1.6	7.9	11.6	9.5	5.3	0.4	1.6	4.2	1.2	49.5
1964	5.7	3.8	0.6	2.0	8.0	11.6	8.4	5.0	0.5	1.9	7.5	5.0	59.9
1965	7.0	1.6	1.4	1.7	6.2	11.5	10.1	3.8	0.6	1.5	4.2	1.2	50.9
1966	4.1	7.3	0.9	1.6	8.2	11.6	10.1	4.1	0.5	1.2	5.2	1.2	56.0
1967	7.9	4.5	1.3	2.0	8.2	11.6	10.1	5.3	0.6	1.5	4.2	1.2	58.2
1968	6.4	7.3	1.0	1.9	8.2	11.6	10.1	5.2	0.6	1.6	4.9	3.9	62.8
1969	6.9	6.9	1.4	1.5	8.2	11.6	8.5	4.5	0.6	1.4	8.2	1.2	60.9
1970	5.3	2.5	1.4	1.7	6.5	9.9	10.1	4.3	0.6	1.6	4.2	1.7	49.8
1971	5.4	5.8	0.9	1.8	8.1	11.6	7.4	2.4	0.6	1.6	7.0	1.2	53.9
1972	8.5	7.3	1.4	1.8	6.6	11.6	10.1	5.3	0.1	1.2	4.2	1.2	59.3
1973	8.8	5.6	1.3	2.1	7.2	10.6	3.6	5.0	0.1	1.6	4.2	1.2	51.2
1974	8.9	6.7	1.3	1.8	7.6	11.6	10.1	5.3	0.3	2.0	6.8	3.5	66.0
1975	6.1	4.6	0.7	1.7	6.9	11.6	3.3	4.4	0.6	1.6	5.3	1.2	48.0
1976	4.3	7.3	1.4	2.0	8.2	11.1	10.1	4.6	0.4	1.8	4.2	1.2	56.5
1977	5.9	6.8	0.9	1.7	6.8	11.6	7.1	4.5	0.3	1.5	4.2	1.2	52.4
1978	8.1	6.4	1.1	2.1	8.2	11.6	10.0	5.3	0.6	1.3	4.2	1.2	60.1
1979	8.0	5.3	1.2	2.0	8.2	11.6	10.1	4.6	0.4	1.6	4.2	1.6	58.8
1980	8.8	7.3	1.4	1.8	7.8	11.6	10.1	5.3	0.5	1.5	5.9	4.0	66.1
1981	6.1	5.0	1.3	2.0	7.3	11.6	8.6	4.9	0.4	1.6	8.0	2.5	59.3
1982	8.8	7.3	1.0	2.0	6.0	11.5	10.0	4.6	0.3	1.8	5.5	1.2	59.9
1983	8.7	7.3	1.4	2.1	7.3	11.6	7.9	5.3	0.6	1.5	8.2	1.2	63.2
1984	1.8	1.6	0.5	1.6	8.2	11.6	10.1	5.2	0.1	1.9	5.1	5.4	53.1
1985	4.3	5.9	1.2	2.0	8.2	11.6	9.6	4.8	0.3	1.9	6.9	1.2	58.0
1986	2.7	6.2	1.0	2.1	7.7	11.6	9.6	5.2	0.6	1.3	8.1	1.4	57.4
MEAN	5.5	5.5	1.1	1.9	7.6	11.4	9.1	4.8	0.5	1.6	5.7	2.2	56.9

Table F.3.16 (4/26)

IRRIGATION WATER DEMAND AT VAKANERI (B)
(Present Condition, Irrigation Area : 3,700 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	10.4	11.8	2.8	3.9	16.8	23.9	19.9	10.6	1.2	3.2	11.3	2.5	118.3
1950	13.1	13.9	1.7	4.4	15.6	23.9	20.8	9.4	1.3	3.7	14.7	9.4	131.8
1951	3.7	11.7	2.4	3.8	16.8	23.9	19.3	16.3	0.7	4.0	8.6	6.0	111.2
1952	3.7	11.0	2.6	3.8	14.6	23.9	19.4	10.8	0.9	3.4	14.2	7.5	115.9
1953	9.1	12.5	2.5	3.4	16.9	22.5	14.3	10.4	0.8	3.0	12.3	2.5	110.1
1954	6.2	12.1	1.4	3.9	16.9	23.9	17.8	9.8	1.3	3.3	14.3	2.5	113.3
1955	7.7	11.8	2.8	3.8	16.2	23.9	20.8	8.2	0.6	3.5	17.1	10.7	127.0
1956	13.5	13.4	2.5	3.9	16.9	19.7	20.7	10.0	1.3	3.2	10.1	4.6	119.7
1957	14.1	4.7	2.9	4.1	13.7	23.8	19.4	10.7	1.3	3.4	8.6	2.5	109.2
1958	10.4	12.4	2.2	4.0	15.7	23.9	20.8	7.6	1.2	3.3	12.9	2.5	116.8
1959	7.4	14.9	2.9	4.0	16.6	23.7	20.8	10.6	0.8	2.5	9.3	5.8	119.3
1960	7.1	3.3	2.4	2.9	12.6	23.9	15.6	10.7	1.2	3.8	11.7	11.5	106.6
1961	3.7	6.5	2.2	3.9	13.3	23.8	20.8	10.8	1.3	3.6	9.0	2.5	101.3
1962	9.8	13.3	2.5	4.0	15.2	23.9	20.8	10.6	0.8	3.5	13.6	7.7	125.6
1963	3.7	6.6	2.2	3.4	16.3	23.8	19.6	10.8	0.8	3.4	8.6	2.5	101.7
1964	11.8	7.8	1.1	4.1	16.4	23.9	17.2	10.2	1.0	3.9	15.5	10.4	123.1
1965	14.4	3.3	2.9	3.5	12.8	23.7	20.8	7.7	1.3	3.1	8.6	2.5	104.6
1966	8.4	14.9	1.8	3.3	16.9	23.8	20.8	8.5	1.1	2.5	10.7	2.5	115.1
1967	16.2	9.2	2.6	4.0	16.8	23.9	20.8	10.8	1.3	3.0	8.6	2.5	119.7
1968	13.1	15.0	2.1	4.0	16.9	23.9	20.8	10.7	1.2	3.4	10.1	8.1	129.1
1969	14.1	14.2	2.8	3.1	16.9	23.9	17.5	9.2	1.2	3.0	16.9	2.5	125.3
1970	11.0	5.2	2.8	3.5	13.4	20.4	20.8	8.9	1.2	3.2	8.6	3.5	102.4
1971	11.2	12.0	1.8	3.6	16.6	23.9	15.3	5.0	1.3	3.3	14.4	2.5	110.8
1972	17.4	15.0	2.9	3.8	13.6	23.9	20.7	10.8	0.2	2.5	8.6	2.5	121.8
1973	18.1	11.4	2.7	4.3	14.8	21.8	7.3	10.2	0.2	3.4	8.6	2.5	105.3
1974	18.3	13.7	2.8	3.7	15.6	23.9	20.8	10.8	0.7	4.2	14.0	7.1	135.6
1975	12.4	9.4	1.5	3.5	14.1	23.9	6.8	9.0	1.3	3.3	11.0	2.5	98.7
1976	8.9	14.9	2.9	4.2	16.9	22.7	20.7	9.4	0.9	3.7	8.6	2.5	116.2
1977	12.2	13.9	1.9	3.5	13.9	23.8	14.5	9.3	0.7	3.0	8.6	2.5	107.8
1978	16.6	13.2	2.2	4.4	16.8	23.9	20.6	10.8	1.3	2.7	8.6	2.5	123.5
1979	16.5	10.8	2.5	4.2	16.8	23.9	20.8	9.5	0.8	3.2	8.6	3.3	120.9
1980	18.2	15.0	2.9	3.7	16.1	23.9	20.8	10.8	1.0	3.2	12.1	8.3	136.0
1981	12.5	10.3	2.8	4.2	15.0	23.9	17.6	10.1	0.8	3.2	16.4	5.2	121.8
1982	18.2	14.9	2.1	4.1	12.3	23.7	20.6	9.4	0.5	3.6	11.3	2.5	123.2
1983	18.0	15.0	2.9	4.4	15.0	23.8	16.3	10.8	1.3	3.1	16.9	2.5	130.0
1984	3.7	3.3	1.1	3.2	16.9	23.9	20.7	10.8	0.2	3.8	10.4	11.2	109.2
1985	8.9	12.2	2.5	4.1	16.9	23.9	19.8	9.9	0.5	3.9	14.2	2.5	119.2
1986	5.6	12.7	2.0	4.2	15.9	23.8	19.8	10.7	1.3	2.6	16.6	2.8	117.9
MEAN	11.3	11.3	2.4	3.8	15.6	23.5	18.8	9.9	1.0	3.3	11.7	4.6	117.0

Table F.3.16 (5/26) IRRIGATION WATER DEMAND AT ULHITIYA/RATKINDA (C)
(Present Condition, Irrigation Area : 22,700 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	18.1	65.9	23.1	22.3	116.4	123.8	115.6	39.2	4.3	26.9	17.0	1.7	574.3
1950	34.1	69.0	18.9	27.4	98.2	123.8	122.3	56.0	4.5	35.2	56.5	19.3	665.2
1951	3.4	69.2	20.5	25.7	114.3	123.8	118.7	39.7	2.9	31.9	17.0	1.7	568.9
1952	3.4	74.7	22.5	17.5	87.7	123.8	104.5	56.6	1.6	36.1	27.3	21.2	576.9
1953	3.4	35.1	17.0	20.8	117.0	120.0	110.8	52.8	3.9	31.5	42.1	1.7	556.0
1954	4.0	5.0	13.7	22.6	108.7	123.8	122.1	53.7	5.4	22.8	42.3	1.7	525.9
1955	3.4	8.2	11.8	21.3	116.3	123.8	123.0	50.7	2.8	39.6	65.8	10.9	577.6
1956	19.5	76.5	18.0	23.7	117.0	103.2	123.0	56.6	5.4	32.2	17.0	1.7	593.8
1957	3.4	24.8	23.1	27.6	113.5	123.3	118.4	57.2	3.3	25.3	17.0	1.7	538.7
1958	3.4	58.1	11.6	20.4	110.9	123.3	122.3	53.1	4.3	40.6	21.1	1.7	570.8
1959	31.4	75.7	21.2	20.2	66.8	122.0	122.7	48.9	3.1	21.7	17.0	1.7	552.4
1960	3.4	5.0	23.1	17.9	84.3	123.8	81.2	56.3	5.0	28.7	17.0	41.0	486.6
1961	3.4	47.0	15.8	14.3	107.7	123.3	121.8	57.5	4.1	31.7	17.0	1.7	545.3
1962	3.4	52.4	13.7	18.5	77.2	123.5	122.1	13.4	4.3	33.8	39.2	2.8	504.2
1963	3.4	14.7	17.6	22.1	106.1	123.8	115.6	57.7	1.2	29.1	17.0	1.7	510.1
1964	3.4	5.0	14.8	25.9	101.4	123.5	93.1	43.7	4.5	37.1	62.5	1.7	516.6
1965	41.2	5.0	18.3	19.1	105.0	123.0	122.8	25.5	5.4	25.0	17.0	1.7	509.0
1966	3.5	72.3	8.9	25.5	110.6	122.9	122.7	46.9	2.8	23.9	18.0	4.4	562.5
1967	23.0	20.1	16.6	26.6	116.4	113.8	122.7	57.6	4.1	28.4	17.0	1.7	548.1
1968	19.7	91.2	6.8	25.2	116.5	123.3	122.1	57.8	4.7	30.1	58.6	2.5	658.6
1969	3.4	48.6	22.4	18.1	110.6	123.8	122.5	31.6	2.6	21.7	80.2	1.7	587.1
1970	3.7	5.0	18.2	22.8	99.8	123.5	122.7	56.5	3.9	41.8	35.9	9.0	542.6
1971	3.5	66.6	20.7	24.0	111.4	123.0	116.5	50.2	1.9	31.1	22.7	1.7	573.4
1972	42.2	88.3	20.1	25.1	96.6	122.5	116.8	30.4	0.0	21.7	17.0	1.7	582.6
1973	63.2	5.0	20.0	26.0	111.9	111.3	109.8	57.1	3.2	32.6	17.0	1.7	558.8
1974	98.3	61.5	22.3	21.4	93.5	123.3	116.5	56.0	4.3	40.9	89.9	1.7	729.5
1975	36.8	55.8	16.3	24.4	88.0	122.9	82.1	52.3	2.7	39.8	59.9	3.1	584.2
1976	9.2	83.7	21.1	23.9	111.6	112.2	111.1	48.3	4.6	39.0	30.2	26.9	621.9
1977	86.3	80.3	13.4	26.1	100.1	123.5	94.7	55.5	1.4	28.1	37.7	9.0	656.1
1978	64.5	76.7	20.2	24.6	110.6	123.8	121.2	57.5	5.0	29.3	61.4	1.7	696.5
1979	54.2	76.2	17.4	26.1	116.5	122.4	121.2	57.8	3.7	24.8	17.0	3.6	641.0
1980	88.5	91.3	21.4	16.7	110.6	123.8	123.0	56.9	5.3	28.2	23.2	66.8	755.7
1981	62.9	54.5	18.0	25.6	88.8	123.8	90.9	57.6	4.9	33.3	44.1	3.7	608.3
1982	97.4	91.3	18.8	19.7	95.3	122.9	113.3	55.8	4.2	32.3	32.0	1.7	684.8
1983	89.8	89.3	22.7	27.1	71.3	117.7	82.8	55.2	4.5	27.2	72.0	1.7	661.3
1984	3.4	5.0	8.9	22.2	105.3	119.7	106.4	51.6	1.8	39.0	50.6	42.5	556.3
1985	3.4	42.6	15.6	23.5	107.9	117.7	121.7	39.3	1.8	35.5	66.4	1.7	577.2
1986	3.4	57.3	10.1	26.3	82.1	114.8	111.1	54.4	4.6	22.6	85.8	12.8	585.4
MEAN	27.5	51.4	17.5	22.9	102.7	121.3	113.5	50.1	3.6	31.1	38.1	8.4	588.0

Table F.3.16 (6/26) IRRIGATION WATER DEMAND AT MAPAKADAWAWEWA (C)
(Present Condition, Irrigation Area : 700 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	0.6	2.0	0.7	0.7	3.6	3.8	3.6	1.2	0.1	0.8	0.5	0.1	17.7
1950	1.1	2.1	0.6	0.8	3.0	3.8	3.8	1.7	0.1	1.1	1.7	0.6	20.5
1951	0.1	2.1	0.6	0.8	3.5	3.8	3.7	1.2	0.1	1.0	0.5	0.1	17.5
1952	0.1	2.3	0.7	0.5	2.7	3.8	3.2	1.7	0.1	1.1	0.8	0.7	17.8
1953	0.1	1.1	0.5	0.6	3.6	3.7	3.4	1.6	0.1	1.0	1.3	0.1	17.1
1954	0.1	0.2	0.4	0.7	3.4	3.8	3.8	1.7	0.2	0.7	1.3	0.1	16.2
1955	0.1	0.3	0.4	0.7	3.6	3.8	3.8	1.6	0.1	1.2	2.0	0.3	17.8
1956	0.6	2.4	0.6	0.7	3.6	3.2	3.8	1.7	0.2	1.0	0.5	0.1	18.3
1957	0.1	0.8	0.7	0.9	3.5	3.8	3.7	1.8	0.1	0.8	0.5	0.1	16.6
1958	0.1	1.8	0.4	0.6	3.4	3.8	3.8	1.6	0.1	1.3	0.7	0.1	17.6
1959	1.0	2.3	0.7	0.6	2.1	3.8	3.8	1.5	0.1	0.7	0.5	0.1	17.0
1960	0.1	0.2	0.7	0.6	2.6	3.8	2.5	1.7	0.2	0.9	0.5	1.3	15.0
1961	0.1	1.4	0.5	0.4	3.3	3.8	3.8	1.8	0.1	1.0	0.5	0.1	16.8
1962	0.1	1.6	0.4	0.6	2.4	3.8	3.8	0.4	0.1	1.0	1.2	0.1	15.5
1963	0.1	0.5	0.5	0.7	3.3	3.8	3.6	1.8	0.0	0.9	0.5	0.1	15.7
1964	0.1	0.2	0.5	0.8	3.1	3.8	2.9	1.3	0.1	1.1	1.9	0.1	15.9
1965	1.3	0.2	0.6	0.6	3.2	3.8	3.8	0.8	0.2	0.8	0.5	0.1	15.7
1966	0.1	2.2	0.3	0.8	3.4	3.8	3.8	1.4	0.1	0.7	0.6	0.1	17.3
1967	0.7	0.6	0.5	0.8	3.6	3.5	3.8	1.8	0.1	0.9	0.5	0.1	16.9
1968	0.6	2.8	0.2	0.8	3.6	3.8	3.8	1.8	0.1	0.9	1.8	0.1	20.3
1969	0.1	1.5	0.7	0.6	3.4	3.8	3.8	1.0	0.1	0.7	2.5	0.1	18.1
1970	0.1	0.2	0.6	0.7	3.1	3.8	3.8	1.7	0.1	1.3	1.1	0.3	16.7
1971	0.1	2.1	0.6	0.7	3.4	3.8	3.6	1.5	0.1	1.0	0.7	0.1	17.7
1972	1.3	2.7	0.6	0.8	3.0	3.8	3.6	0.9	0.0	0.7	0.5	0.1	18.0
1973	1.9	0.2	0.6	0.8	3.5	3.4	3.4	1.8	0.1	1.0	0.5	0.1	17.2
1974	3.0	1.9	0.7	0.7	2.9	3.8	3.6	1.7	0.1	1.3	2.8	0.1	22.5
1975	1.1	1.7	0.5	0.8	2.7	3.8	2.5	1.6	0.1	1.2	1.8	0.1	18.0
1976	0.3	2.6	0.6	0.7	3.4	3.5	3.4	1.5	0.1	1.2	0.9	0.8	19.2
1977	2.7	2.5	0.4	0.8	3.1	3.8	2.9	1.7	0.0	0.9	1.2	0.3	20.2
1978	2.0	2.4	0.6	0.8	3.4	3.8	3.7	1.8	0.2	0.9	1.9	0.1	21.5
1979	1.7	2.4	0.5	0.8	3.6	3.8	3.7	1.8	0.1	0.8	0.5	0.1	19.8
1980	2.7	2.8	0.7	0.5	3.4	3.8	3.8	1.8	0.2	0.9	0.7	2.1	23.3
1981	1.9	1.7	0.6	0.8	2.7	3.8	2.8	1.8	0.2	1.0	1.4	0.1	18.8
1982	3.0	2.8	0.6	0.6	2.9	3.8	3.5	1.7	0.1	1.0	1.0	0.1	21.1
1983	2.8	2.8	0.7	0.8	2.2	3.6	2.6	1.7	0.1	0.8	2.2	0.1	20.4
1984	0.1	0.2	0.3	0.7	3.2	3.7	3.3	1.6	0.1	1.2	1.6	1.3	17.2
1985	0.1	1.3	0.5	0.7	3.3	3.6	3.8	1.2	0.1	1.1	2.0	0.1	17.8
1986	0.1	1.8	0.3	0.8	2.5	3.5	3.4	1.7	0.1	0.7	2.6	0.4	18.1
MEAN	0.8	1.6	0.5	0.7	3.2	3.7	3.5	1.5	0.1	1.0	1.2	0.3	18.1

Table F.3.16 (7/26) IRRIGATION WATER DEMAND AT DAMBARAWA (C)
(Present Condition, Irrigation Area : 600 Ha)

YEAR	Unit: MCM												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1949	0.5	1.7	0.6	0.6	3.1	3.3	3.1	1.0	0.1	0.7	0.5	0.0	15.2
1950	0.9	1.8	0.5	0.7	2.6	3.3	3.2	1.5	0.1	0.9	1.5	0.5	17.6
1951	0.1	1.8	0.5	0.7	2.6	3.3	3.1	1.0	0.1	0.8	0.5	0.0	15.0
1952	0.1	2.0	0.6	0.5	2.3	3.3	2.8	1.5	0.0	1.0	0.7	0.6	15.2
1953	0.1	0.9	0.4	0.5	3.1	3.2	2.9	1.4	0.1	0.8	1.1	0.0	14.7
1954	0.1	0.1	0.4	0.6	2.9	3.3	3.2	1.4	0.1	0.6	1.1	0.0	13.9
1955	0.1	0.2	0.3	0.6	3.1	3.3	3.3	1.3	0.1	1.0	1.7	0.3	15.3
1956	0.5	2.0	0.5	0.6	3.1	2.7	3.3	1.5	0.1	0.9	0.5	0.0	15.7
1957	0.1	0.7	0.6	0.7	3.0	3.3	3.1	1.5	0.1	0.7	0.5	0.0	14.2
1958	0.1	1.5	0.3	0.5	2.9	3.3	3.2	1.4	0.1	1.1	0.6	0.0	15.1
1959	0.8	2.0	0.6	0.5	1.8	3.2	3.2	1.3	0.1	0.6	0.5	0.0	14.6
1960	0.1	0.1	0.6	0.5	2.2	3.3	2.1	1.5	0.1	0.8	0.5	1.1	12.9
1961	0.1	1.2	0.4	0.4	2.8	3.3	3.2	1.5	0.1	0.8	0.5	0.0	14.4
1962	0.1	1.4	0.4	0.5	2.0	3.3	3.2	0.4	0.1	0.9	1.0	0.1	13.3
1963	0.1	0.4	0.5	0.6	2.8	3.3	3.1	1.5	0.0	0.8	0.5	0.0	13.5
1964	0.1	0.1	0.4	0.7	2.7	3.3	2.5	1.2	0.1	1.0	1.7	0.0	13.7
1965	1.1	0.1	0.5	0.5	2.8	3.3	3.2	0.7	0.1	0.7	0.5	0.0	13.5
1966	0.1	1.9	0.2	0.7	2.9	3.2	3.2	1.2	0.1	0.6	0.5	0.1	14.9
1967	0.6	0.5	0.4	0.7	3.1	3.0	3.2	1.5	0.1	0.8	0.5	0.0	14.5
1968	0.5	2.4	0.2	0.7	3.1	3.3	3.2	1.5	0.1	0.8	1.5	0.1	17.4
1969	0.1	1.3	0.6	0.5	2.9	3.3	3.2	0.8	0.1	0.6	2.1	0.0	15.5
1970	0.1	0.1	0.5	0.6	2.6	3.3	3.2	1.5	0.1	1.1	0.9	0.2	14.3
1971	0.1	1.8	0.5	0.6	2.9	3.3	3.1	1.3	0.0	0.8	0.6	0.0	15.2
1972	1.1	2.3	0.5	0.7	2.6	3.2	3.1	0.8	0.0	0.6	0.5	0.0	15.4
1973	1.7	0.1	0.5	0.7	3.0	2.9	2.9	1.5	0.1	0.9	0.5	0.0	14.8
1974	2.6	1.6	0.6	0.6	2.5	3.3	3.1	1.5	0.1	1.1	2.4	0.0	19.3
1975	1.0	1.5	0.4	0.6	2.3	3.2	2.2	1.4	0.1	1.1	1.6	0.1	15.4
1976	0.2	2.2	0.6	0.6	3.0	3.0	2.9	1.3	0.1	1.0	0.8	0.7	16.4
1977	2.3	2.1	0.4	0.7	2.6	3.3	2.5	1.5	0.0	0.7	1.0	0.2	17.3
1978	1.7	2.0	0.5	0.6	2.9	3.3	3.2	1.5	0.1	0.8	1.6	0.0	18.4
1979	1.4	2.0	0.5	0.7	3.1	3.2	3.2	1.5	0.1	0.7	0.5	0.1	16.9
1980	2.3	2.4	0.6	0.4	2.9	3.3	3.3	1.5	0.1	0.7	0.6	1.8	20.0
1981	1.7	1.4	0.5	0.7	2.3	3.3	2.4	1.5	0.1	0.9	1.2	0.1	16.1
1982	2.6	2.4	0.5	0.5	2.5	3.2	3.0	1.5	0.1	0.9	0.8	0.0	18.1
1983	2.4	2.4	0.6	0.7	1.9	3.1	2.2	1.5	0.1	0.7	1.9	0.0	17.5
1984	0.1	0.1	0.2	0.6	2.8	3.2	2.8	1.4	0.0	1.0	1.3	1.1	14.7
1985	0.1	1.1	0.4	0.6	2.9	3.1	3.2	1.0	0.0	0.9	1.8	0.0	15.3
1986	0.1	1.5	0.3	0.7	2.2	3.0	2.9	1.4	0.1	0.6	2.3	0.3	15.5
MEAN	0.7	1.4	0.5	0.6	2.7	3.2	3.0	1.3	0.1	0.8	1.0	0.2	15.5

Table F.3.16 (8/26) IRRIGATION WATER DEMAND AT SORABORA (C)
(Present Condition, Irrigation Area : 500 Ha)

YEAR	Unit: MCM												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1949	0.4	1.5	0.5	0.5	2.6	2.7	2.5	0.9	0.1	0.6	0.4	0.0	12.7
1950	0.8	1.5	0.4	0.6	2.2	2.7	2.7	1.2	0.1	0.8	1.2	0.4	14.7
1951	0.1	1.5	0.5	0.6	2.5	2.7	2.6	0.9	0.1	0.7	0.4	0.0	12.5
1952	0.1	1.6	0.5	0.4	1.9	2.7	2.3	1.2	0.0	0.8	0.6	0.5	12.7
1953	0.1	0.8	0.4	0.5	2.6	2.6	2.4	1.2	0.1	0.7	0.9	0.0	12.2
1954	0.1	0.1	0.3	0.5	2.4	2.7	2.7	1.2	0.1	0.5	0.9	0.0	11.6
1955	0.1	0.2	0.3	0.5	2.6	2.7	2.7	1.1	0.1	0.9	1.5	0.2	12.7
1956	0.4	1.7	0.4	0.5	2.6	2.3	2.7	1.2	0.1	0.7	0.4	0.0	13.1
1957	0.1	0.5	0.5	0.6	2.5	2.7	2.6	1.3	0.1	0.6	0.4	0.0	11.9
1958	0.1	1.3	0.3	0.4	2.4	2.7	2.7	1.2	0.1	0.9	0.5	0.0	12.6
1959	0.7	1.7	0.5	0.4	1.5	2.7	2.7	1.1	0.1	0.5	0.4	0.0	12.2
1960	0.1	0.1	0.5	0.4	1.9	2.7	1.8	1.2	0.1	0.6	0.4	0.9	10.7
1961	0.1	1.0	0.3	0.3	2.4	2.7	2.7	1.3	0.1	0.7	0.4	0.0	12.0
1962	0.1	1.2	0.3	0.4	1.7	2.7	2.7	0.3	0.1	0.7	0.9	0.1	11.1
1963	0.1	0.3	0.4	0.5	2.3	2.7	2.5	1.3	0.0	0.6	0.4	0.0	11.2
1964	0.1	0.1	0.3	0.6	2.2	2.7	2.1	1.0	0.1	0.8	1.4	0.0	11.4
1965	0.9	0.1	0.4	0.4	2.3	2.7	2.7	0.6	0.1	0.6	0.4	0.0	11.2
1966	0.1	1.6	0.2	0.6	2.4	2.7	2.7	1.0	0.1	0.5	0.4	0.1	12.4
1967	0.5	0.4	0.4	0.6	2.6	2.5	2.7	1.3	0.1	0.6	0.4	0.0	12.1
1968	0.4	2.0	0.1	0.6	2.6	2.7	2.7	1.3	0.1	0.7	1.3	0.1	14.5
1969	0.1	1.1	0.5	0.4	2.4	2.7	2.7	0.7	0.1	0.5	1.8	0.0	12.9
1970	0.1	0.1	0.4	0.5	2.2	2.7	2.7	1.2	0.1	0.9	0.8	0.2	12.0
1971	0.1	1.5	0.5	0.5	2.5	2.7	2.6	1.1	0.0	0.7	0.5	0.0	12.6
1972	0.9	1.9	0.4	0.6	2.1	2.7	2.6	0.7	0.0	0.5	0.4	0.0	12.8
1973	1.4	0.1	0.4	0.6	2.5	2.5	2.4	1.3	0.1	0.7	0.4	0.0	12.3
1974	2.2	1.4	0.5	0.5	2.1	2.7	2.6	1.2	0.1	0.9	2.0	0.0	16.1
1975	0.8	1.2	0.4	0.5	1.9	2.7	1.8	1.2	0.1	0.9	1.3	0.1	12.9
1976	0.2	1.8	0.5	0.5	2.5	2.5	2.4	1.1	0.1	0.9	0.7	0.6	13.7
1977	1.9	1.8	0.3	0.6	2.2	2.7	2.7	1.2	0.0	0.6	0.8	0.2	14.5
1978	1.4	1.7	0.4	0.5	2.4	2.7	2.7	1.3	0.1	0.6	1.4	0.0	15.3
1979	1.2	1.7	0.4	0.6	2.6	2.7	2.7	1.3	0.1	0.5	0.4	0.1	14.1
1980	1.9	2.0	0.5	0.4	2.4	2.7	2.7	1.3	0.1	0.6	0.5	1.5	16.6
1981	1.4	1.2	0.4	0.6	2.0	2.7	2.0	1.3	0.1	0.7	1.0	0.1	13.4
1982	2.1	2.0	0.4	0.4	2.1	2.7	2.5	1.2	0.1	0.7	0.7	0.0	15.1
1983	2.0	2.0	0.5	0.6	1.6	2.6	1.8	1.2	0.1	0.6	1.6	0.0	14.6
1984	0.1	0.1	0.2	0.5	2.3	2.6	2.3	1.1	0.0	0.9	1.1	0.9	12.3
1985	0.1	0.9	0.3	0.5	2.4	2.6	2.7	0.9	0.0	0.8	1.5	0.0	12.7
1986	0.1	1.3	0.2	0.6	1.8	2.5	2.4	1.2	0.1	0.5	1.9	0.3	12.9
MEAN	0.6	1.1	0.4	0.5	2.3	2.7	2.5	1.1	0.1	0.7	0.8	0.2	13.0

Table F.3.16 (9/26)

IRRIGATION WATER DEMAND AT MINNERIYA (D1)
(Present Condition, Irrigation Area : 8,900 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	11.9	27.8	9.5	8.4	38.9	39.2	27.5	10.8	1.9	8.6	12.3	0.3	197.0
1950	18.5	23.8	6.4	10.3	29.0	39.2	36.1	10.3	1.6	10.7	18.4	12.9	217.1
1951	0.0	22.5	10.6	8.4	26.8	39.0	36.0	13.2	1.2	10.8	4.7	11.3	184.5
1952	0.0	27.8	11.0	8.9	32.3	39.2	34.9	14.1	0.8	9.9	21.1	11.5	211.5
1953	6.8	28.6	11.0	6.6	38.9	39.1	13.7	11.5	1.4	6.9	18.8	0.3	183.7
1954	3.8	30.1	6.1	7.8	39.0	39.2	28.9	13.1	2.0	9.0	21.1	0.3	200.5
1955	4.4	20.6	10.1	7.6	36.3	39.2	36.3	10.5	1.1	11.2	21.7	11.9	210.9
1956	15.1	28.8	11.0	9.4	39.0	33.3	36.3	13.4	2.0	8.1	10.9	2.9	210.2
1957	21.1	7.3	11.0	9.8	30.4	39.1	30.9	13.0	1.6	8.9	4.7	0.3	178.1
1958	7.6	21.6	8.1	9.6	34.5	39.2	36.0	7.7	1.6	10.1	17.0	8.4	201.3
1959	13.8	31.2	11.0	8.8	30.3	35.3	36.2	13.8	1.6	7.2	5.5	2.9	197.7
1960	3.0	0.3	9.9	7.4	21.0	39.1	21.2	13.3	0.8	9.0	4.7	19.5	149.2
1961	0.0	11.1	6.7	8.7	35.2	38.9	36.1	14.0	1.8	7.8	9.1	0.3	169.6
1962	11.4	25.9	8.8	9.0	36.0	39.2	36.3	10.5	0.9	9.8	16.5	8.5	212.9
1963	0.0	13.3	5.7	8.7	38.7	39.2	29.1	13.6	0.8	10.1	4.7	0.3	164.4
1964	17.5	19.5	7.7	10.1	30.3	39.2	27.3	13.7	1.5	9.1	25.2	16.3	217.4
1965	22.7	14.9	11.0	7.2	21.2	39.2	36.0	9.2	2.0	6.0	4.7	0.3	174.5
1966	14.0	31.1	6.7	8.5	38.9	39.2	36.2	12.2	0.7	6.0	4.7	0.3	206.2
1967	29.3	24.0	8.9	9.6	36.8	39.0	36.2	13.8	1.4	6.2	4.7	0.3	210.2
1968	16.8	31.2	7.2	9.6	38.8	39.2	36.3	10.8	0.9	9.0	15.7	8.2	223.7
1969	23.6	27.0	11.0	8.1	38.7	39.2	27.3	11.9	0.7	6.5	11.3	0.3	205.7
1970	19.6	10.3	10.1	7.7	33.1	36.6	36.3	9.5	1.6	11.3	11.0	0.5	187.4
1971	8.8	23.9	10.3	7.1	29.7	38.9	34.4	12.0	1.8	10.8	23.9	0.3	201.9
1972	24.8	31.2	11.0	8.7	28.2	39.2	36.3	14.1	0.0	6.8	4.7	1.0	205.9
1973	30.4	27.6	10.2	10.0	35.8	32.7	14.3	13.8	1.2	9.8	27.4	0.3	213.5
1974	30.4	27.7	11.0	9.0	25.6	39.2	36.3	14.0	1.3	12.1	25.4	0.3	232.3
1975	17.4	27.7	9.7	7.9	28.6	39.2	15.8	11.5	0.9	11.6	14.8	11.5	196.5
1976	29.4	31.1	11.0	8.1	38.7	39.2	34.4	12.5	1.8	10.8	8.1	0.3	225.3
1977	23.7	29.8	10.0	10.3	37.8	39.2	33.0	12.9	0.2	6.0	4.7	0.3	207.9
1978	25.0	31.1	9.0	9.8	38.3	39.2	29.2	14.1	2.0	6.0	4.7	0.3	208.7
1979	30.2	26.2	9.8	9.8	35.7	39.2	36.3	8.4	1.5	8.3	4.7	8.5	218.5
1980	30.4	31.2	11.0	7.6	36.2	39.1	36.3	14.1	1.5	8.7	11.5	1.6	229.0
1981	17.4	18.0	10.6	9.1	32.1	39.2	13.0	10.0	1.3	7.8	30.1	1.3	189.9
1982	30.4	31.2	9.6	9.1	22.2	38.9	36.3	14.1	1.6	6.1	4.7	0.3	204.3
1983	29.8	31.2	11.0	10.3	35.5	39.1	32.5	14.1	1.9	6.8	18.6	0.3	231.1
1984	0.0	0.3	8.4	8.5	39.0	39.2	29.8	12.7	0.4	10.7	18.7	20.0	187.7
1985	4.0	25.9	9.4	10.0	37.8	39.2	28.3	14.0	0.9	12.1	20.8	0.3	202.6
1986	17.0	29.3	5.8	9.9	35.9	38.4	35.1	12.2	1.9	6.6	27.6	7.4	227.3
MEAN	16.0	23.7	9.4	8.8	33.7	38.6	31.4	12.3	1.3	8.8	13.7	4.7	202.5

Table F.3.16 (10/26)

IRRIGATION WATER DEMAND AT GIRITALE (D1)
(Present Condition, Irrigation Area : 3,000 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	4.0	9.4	3.2	2.8	13.1	13.2	9.3	3.6	0.6	2.9	4.1	0.1	66.4
1950	6.2	8.0	2.1	3.5	9.8	13.2	12.2	3.5	0.5	3.6	6.2	4.3	73.2
1951	0.0	7.6	3.6	2.8	9.0	13.2	12.2	4.4	0.4	3.6	1.6	3.8	62.2
1952	0.0	9.4	3.7	3.0	10.9	13.2	11.8	4.7	0.3	3.3	7.1	3.9	71.3
1953	2.3	9.7	3.7	2.2	13.1	13.2	4.6	3.9	0.5	2.3	6.3	0.1	61.9
1954	1.3	10.2	2.1	2.6	13.1	13.2	9.7	4.4	0.7	3.0	7.1	0.1	67.6
1955	1.5	6.9	3.4	2.6	12.2	13.2	12.2	3.5	0.4	3.8	7.3	4.0	71.1
1956	5.1	9.7	3.7	3.2	13.1	11.2	12.2	4.5	0.7	2.7	3.7	1.0	70.9
1957	7.1	2.5	3.7	3.3	10.2	13.2	10.4	4.4	0.5	3.0	1.6	0.1	60.0
1958	2.6	7.3	2.7	3.2	11.6	13.2	12.1	2.6	0.5	3.4	5.7	2.8	67.9
1959	4.7	10.5	3.7	3.0	10.2	11.9	12.2	4.6	0.5	2.4	1.9	1.0	66.6
1960	1.0	0.1	3.3	2.5	7.1	13.2	7.2	4.5	0.3	3.0	1.6	6.6	50.3
1961	0.0	3.7	2.2	2.9	11.9	13.1	12.2	4.7	0.6	2.6	3.1	0.1	57.2
1962	3.9	8.7	3.0	3.0	12.1	13.2	12.2	3.5	0.3	3.3	5.6	2.9	71.8
1963	0.0	4.5	1.9	2.9	13.0	13.2	9.8	4.6	0.3	3.4	1.6	0.1	55.4
1964	5.9	6.6	2.6	3.4	10.2	13.2	9.2	4.6	0.5	3.1	8.5	5.5	73.3
1965	7.7	5.0	3.7	2.4	7.1	13.2	12.1	3.1	0.7	2.0	1.6	0.1	58.8
1966	4.7	10.5	2.3	2.9	13.1	13.2	12.2	4.1	0.2	2.0	1.6	2.7	69.5
1967	9.9	8.1	3.0	3.2	12.4	13.2	12.2	4.7	0.5	2.1	1.6	0.1	70.9
1968	5.6	10.5	2.4	3.3	13.1	13.2	12.2	3.6	0.3	3.0	5.3	2.8	75.4
1969	8.0	9.1	3.7	2.7	13.0	13.2	9.2	4.0	0.2	2.2	3.8	0.1	69.3
1970	6.6	3.5	3.4	2.6	11.1	12.3	12.2	3.2	0.5	3.8	3.7	0.2	63.2
1971	3.0	8.0	3.5	2.4	10.0	13.1	11.6	4.0	0.6	3.6	8.1	0.1	68.0
1972	8.4	10.5	3.7	2.9	9.5	13.2	12.2	4.7	0.0	2.3	1.6	0.3	69.4
1973	10.2	9.3	3.4	3.4	12.1	11.0	4.8	4.6	0.4	3.3	9.2	0.1	72.0
1974	10.2	9.3	3.7	3.0	8.6	13.2	12.2	4.7	0.4	4.1	8.6	0.1	78.3
1975	5.9	9.3	3.3	2.7	9.6	13.2	5.3	3.9	0.3	3.9	5.0	3.9	66.2
1976	9.9	10.5	3.7	2.7	13.0	13.2	11.6	4.2	0.6	3.6	2.7	0.1	75.9
1977	8.0	10.0	3.4	3.5	12.7	13.2	11.1	4.3	0.1	2.0	1.6	0.1	70.1
1978	8.4	10.5	3.0	3.3	12.9	13.2	9.8	4.7	0.7	2.0	1.6	0.1	70.4
1979	10.2	8.8	3.3	3.3	12.0	13.2	12.2	2.8	0.5	2.8	1.6	2.9	73.6
1980	10.2	10.5	3.7	2.5	12.2	13.2	12.2	4.7	0.5	2.9	3.9	0.5	77.2
1981	5.9	6.1	3.6	3.1	10.8	13.2	4.4	3.4	0.5	2.6	10.1	0.4	64.0
1982	10.2	10.5	3.2	3.1	7.5	13.1	12.2	4.7	0.5	2.0	1.6	0.1	68.9
1983	10.0	10.5	3.7	3.5	12.0	13.2	11.0	4.7	0.6	2.3	6.3	0.1	77.9
1984	0.0	0.1	2.8	2.9	13.1	13.2	10.1	4.3	0.1	3.6	6.3	6.7	63.3
1985	1.3	8.7	3.2	3.4	12.7	13.2	9.5	4.7	0.3	4.1	7.0	0.1	68.3
1986	5.7	9.9	2.0	3.3	12.1	13.0	11.8	4.1	0.7	2.2	9.3	2.5	76.6
MEAN	5.4	8.0	3.2	3.0	11.4	13.0	10.6	4.2	0.4	3.0	4.6	1.6	68.3

Table F.3.16 (11/26) IRRIGATION WATER DEMAND AT KAUDULLA (D1)
(Present Condition, Irrigation Area : 14,500 Ha)

YEAR	Unit: MCM												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1949	19.4	45.3	15.5	13.7	63.3	63.8	44.8	17.6	3.1	14.1	20.1	0.5	321.0
1950	30.1	38.7	10.4	16.7	47.3	63.8	58.8	16.7	2.6	17.4	30.0	21.0	353.7
1951	0.0	36.6	17.3	13.6	43.7	63.6	58.7	21.5	2.0	17.6	7.7	18.4	300.7
1952	0.0	45.3	17.9	14.5	52.7	63.8	56.9	22.9	1.4	16.1	34.5	18.7	344.5
1953	11.1	46.7	18.0	10.7	63.5	63.7	22.3	18.7	2.3	11.2	30.6	0.5	299.2
1954	6.1	49.1	10.0	12.7	63.5	63.8	47.1	21.3	3.3	14.7	34.5	0.5	326.6
1955	7.1	33.5	16.4	12.5	59.2	63.8	59.1	17.1	1.9	18.2	35.4	19.4	343.6
1956	24.7	47.0	18.0	15.4	63.5	54.2	59.1	21.8	3.3	13.2	17.7	4.8	342.5
1957	34.4	11.9	18.0	16.0	49.5	63.7	50.3	21.1	2.6	14.5	7.7	0.5	290.1
1958	12.4	35.3	13.1	15.7	56.3	63.8	58.6	12.5	2.6	16.4	27.7	13.8	328.0
1959	22.5	50.8	18.0	14.4	49.4	57.6	59.0	22.4	2.6	11.8	9.0	4.7	322.0
1960	4.8	0.4	16.1	12.0	34.2	63.7	34.6	21.7	1.3	14.7	7.7	31.7	243.0
1961	0.0	18.1	10.9	14.1	57.3	63.4	58.8	22.9	2.9	12.7	14.8	0.5	276.4
1962	18.6	42.2	14.4	14.7	58.7	63.8	59.1	17.1	1.5	15.9	26.8	13.9	346.8
1963	0.0	21.7	9.4	14.2	63.0	63.8	47.4	22.1	1.3	16.5	7.7	0.5	267.8
1964	28.5	31.8	12.5	16.5	49.4	63.8	44.5	22.3	2.5	14.9	41.0	26.5	354.2
1965	37.0	24.2	18.0	11.8	34.5	63.8	58.6	15.1	3.3	9.7	7.7	0.5	284.3
1966	22.9	50.6	11.0	13.8	63.5	63.8	58.9	19.9	1.1	9.7	7.7	13.1	336.0
1967	47.7	39.1	14.5	15.6	59.9	63.6	59.0	22.5	2.3	10.2	7.7	0.5	342.5
1968	27.3	50.9	11.8	15.7	63.2	63.8	59.1	17.6	1.4	14.6	25.6	13.4	364.5
1969	38.5	44.1	18.0	13.3	63.0	63.8	44.5	19.4	1.1	10.6	18.4	0.5	335.2
1970	31.9	16.8	16.4	12.5	53.9	59.6	59.1	15.4	2.6	18.5	17.8	0.8	305.3
1971	14.3	38.9	16.8	11.5	48.5	63.3	56.0	19.5	3.0	17.5	38.9	0.5	328.9
1972	40.4	50.8	18.0	14.1	45.9	63.8	59.1	22.9	0.0	11.1	7.7	1.6	335.5
1973	49.5	44.9	16.6	16.3	58.4	53.3	23.4	22.4	2.0	15.9	44.7	0.5	347.8
1974	49.5	45.1	18.0	14.7	41.7	63.8	59.1	22.8	2.1	19.8	41.4	0.5	378.5
1975	28.4	45.1	15.7	12.9	46.5	63.8	25.7	18.7	1.5	18.9	24.1	18.7	320.1
1976	47.9	50.7	18.0	13.2	63.0	63.8	56.0	20.3	2.9	17.6	13.1	0.5	367.0
1977	38.6	48.6	16.2	16.7	61.6	63.8	53.8	21.0	0.3	9.8	7.7	0.5	338.7
1978	40.8	50.7	14.7	16.0	62.3	63.8	47.6	22.9	3.3	9.7	7.7	0.5	340.1
1979	49.1	42.7	16.0	16.0	58.1	63.8	59.1	13.7	2.4	13.5	7.7	13.9	356.0
1980	49.5	50.9	18.0	12.3	59.0	63.7	59.1	22.9	2.5	14.1	18.7	2.5	373.1
1981	28.4	29.3	17.3	14.8	52.2	63.8	21.2	16.3	2.2	12.7	49.1	2.2	309.3
1982	49.5	50.9	15.6	14.8	36.1	63.4	59.1	22.9	2.6	9.9	7.7	0.5	332.9
1983	48.6	50.9	18.0	16.7	57.8	63.7	52.9	22.9	3.1	11.1	30.3	0.5	376.4
1984	0.0	0.4	13.7	13.9	63.5	63.8	48.6	20.8	0.6	17.4	30.4	32.6	305.8
1985	6.5	42.2	15.4	16.3	61.6	63.8	46.0	22.7	1.5	19.7	33.9	0.5	330.0
1986	27.7	47.7	9.5	16.1	58.5	62.6	57.3	19.9	3.2	10.8	44.9	12.1	370.3
MEAN	26.1	38.7	15.3	14.4	54.9	62.9	51.1	20.1	2.2	14.3	22.3	7.7	330.0

Table F.3.16 (12/26) IRRIGATION WATER DEMAND AT KANTALAI (D1)
(Present Condition, Irrigation Area : 13,500 Ha)

YEAR	Unit: MCM												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1949	8.1	38.3	29.1	9.8	43.0	55.9	36.4	39.9	34.9	6.7	7.2	0.1	309.4
1950	20.0	30.7	14.6	25.7	23.1	55.9	55.3	37.6	30.3	22.1	11.2	9.1	335.6
1951	0.0	28.3	34.3	9.7	19.2	54.8	55.0	50.7	23.2	22.6	2.3	6.9	307.2
1952	0.0	38.3	36.1	13.8	29.0	55.7	51.1	56.3	16.6	16.4	15.1	7.0	335.4
1953	4.0	39.9	37.9	0.2	43.8	55.5	11.7	43.1	26.8	3.7	11.4	0.1	278.0
1954	2.0	42.8	13.6	5.1	44.0	55.9	39.1	50.3	37.6	9.5	15.1	0.1	315.6
1955	2.4	24.7	31.9	4.1	36.2	55.9	56.2	38.7	21.9	25.4	16.3	7.3	321.0
1956	13.9	40.3	37.4	18.2	44.0	42.4	46.2	51.5	37.4	4.5	6.3	1.4	353.6
1957	24.8	4.5	40.1	21.3	25.6	55.2	43.1	49.7	30.0	8.6	2.3	0.1	305.3
1958	4.5	26.7	22.4	19.8	33.0	55.7	54.5	26.1	29.8	17.8	10.3	5.0	305.7
1959	11.6	46.7	39.0	13.4	25.4	46.1	55.8	54.1	29.8	3.9	2.8	1.4	330.1
1960	1.4	0.4	30.8	2.0	9.9	55.3	24.2	51.3	15.5	9.9	2.3	20.8	223.8
1961	0.0	7.1	16.0	12.1	34.2	54.2	55.2	56.1	32.8	4.3	5.1	0.1	277.0
1962	7.3	34.7	26.0	14.8	35.7	55.9	56.4	38.6	18.0	15.7	9.9	5.1	317.9
1963	0.0	11.2	11.8	12.6	41.7	55.9	39.5	52.8	16.3	18.1	2.3	0.1	262.1
1964	18.2	22.7	20.7	23.7	25.4	55.9	36.0	53.6	28.8	10.5	23.1	15.0	333.6
1965	27.7	14.0	37.7	0.9	9.9	55.9	54.7	33.1	37.6	3.1	2.3	0.1	277.0
1966	12.0	44.7	16.3	10.4	43.8	55.7	55.7	46.3	14.0	3.1	2.3	4.8	309.0
1967	39.9	31.1	26.3	19.3	37.1	55.0	56.0	54.5	26.2	3.3	2.3	0.1	351.0
1968	16.9	48.4	18.6	20.0	42.2	55.9	56.4	40.1	17.4	9.3	9.5	4.9	339.5
1969	29.3	36.9	39.6	7.8	41.7	55.9	36.0	45.1	13.5	3.5	6.6	0.1	315.9
1970	22.0	6.5	31.8	4.3	30.4	48.4	56.2	34.1	30.2	26.5	6.3	0.1	296.7
1971	5.3	30.9	33.0	0.2	24.4	53.9	50.0	45.3	33.7	22.5	20.6	0.1	319.9
1972	31.5	48.1	37.6	12.1	21.7	55.9	56.4	56.3	0.0	3.6	2.3	0.4	325.7
1973	45.3	37.9	32.2	22.9	35.4	41.4	12.2	54.1	23.2	24.6	23.6	0.1	404.0
1974	45.3	38.1	38.6	14.8	16.9	55.9	56.4	55.7	24.6	34.2	23.6	7.0	289.3
1975	18.1	38.1	29.9	6.1	22.3	55.9	13.7	43.1	18.2	28.1	8.8	0.1	287.5
1976	40.1	45.1	39.3	7.7	41.7	55.9	50.0	47.5	33.1	22.6	4.5	0.1	331.9
1977	29.5	42.2	31.3	26.7	39.0	55.9	47.3	49.3	5.3	3.2	2.3	0.1	360.3
1978	31.9	45.2	26.7	21.6	39.8	55.9	39.7	56.3	37.6	3.1	2.3	0.1	345.2
1979	41.8	35.3	30.5	21.2	35.0	55.9	56.4	29.4	27.7	4.6	2.3	5.1	382.4
1980	45.3	48.4	38.7	3.3	36.1	55.3	56.4	56.3	28.5	6.9	6.7	0.7	282.6
1981	18.1	19.8	34.3	15.2	28.5	55.9	11.1	36.4	25.5	4.3	32.9	0.6	350.9
1982	45.3	48.4	29.5	15.3	10.3	54.2	56.4	56.3	29.7	3.2	2.3	0.1	400.2
1983	40.9	48.4	40.1	28.2	34.7	55.5	46.2	56.3	34.9	3.6	11.3	0.1	288.4
1984	0.0	0.4	24.1	10.9	44.1	55.9	41.0	48.7	8.1	22.1	11.4	21.7	340.9
1985	2.1	34.7	28.8	22.8	39.0	55.7	37.9	55.5	18.2	31.8	14.4	0.1	349.0
1986	17.3	41.2	12.2	21.7	35.5	51.7	51.5	46.3	35.8	3.6	27.9	4.4	323.8
MEAN	19.0	32.1	29.4	13.7	32.2	54.3	45.3	47.3	25.1	12.1	9.8	3.4	323.8

Table F.3.16 (13/26) IRRIGATION WATER DEMAND AT VENDARASAN (D1)
(Present Condition, Irrigation Area : 600 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	0.8	1.9	0.6	0.6	2.6	2.6	1.9	0.7	0.1	0.6	0.8	0.0	13.3
1950	1.2	1.6	0.4	0.7	2.0	2.6	2.4	0.7	0.1	0.7	1.2	0.9	14.6
1951	0.0	1.5	0.7	0.6	1.8	2.6	2.4	0.9	0.1	0.7	0.3	0.8	12.4
1952	0.0	1.9	0.7	0.6	2.2	2.6	2.4	0.9	0.1	0.7	1.4	0.8	14.3
1953	0.5	1.9	0.7	0.4	2.6	2.6	0.9	0.8	0.1	0.5	1.3	0.0	12.4
1954	0.3	2.0	0.4	0.5	2.6	2.6	1.9	0.9	0.1	0.6	1.4	0.0	13.5
1955	0.3	1.4	0.7	0.5	2.4	2.6	2.4	0.7	0.1	0.8	1.5	0.8	14.2
1956	1.0	1.9	0.7	0.6	2.6	2.6	2.4	0.9	0.1	0.5	0.7	0.2	14.2
1957	1.4	0.5	0.7	0.7	2.0	2.6	2.1	0.9	0.1	0.6	0.3	0.0	12.0
1958	0.5	1.5	0.5	0.6	2.3	2.6	2.4	0.5	0.1	0.7	1.1	0.6	13.6
1959	0.9	2.1	0.7	0.6	2.0	2.4	2.4	0.9	0.1	0.5	0.4	0.2	13.3
1960	0.2	0.0	0.7	0.5	1.4	2.6	1.4	0.9	0.1	0.6	0.3	1.3	10.1
1961	0.0	0.7	0.4	0.6	2.4	2.6	2.4	0.9	0.1	0.5	0.6	0.0	11.4
1962	0.8	1.7	0.6	0.6	2.4	2.6	2.4	0.7	0.1	0.7	1.1	0.6	14.4
1963	0.0	0.9	0.4	0.6	2.6	2.6	2.0	0.9	0.1	0.7	0.3	0.0	11.1
1964	1.2	1.3	0.5	0.7	2.0	2.6	1.8	0.9	0.1	0.6	1.7	1.1	14.7
1965	1.5	1.0	0.7	0.5	1.4	2.6	2.4	0.8	0.1	0.4	0.3	0.0	11.8
1966	0.9	2.1	0.5	0.6	2.6	2.6	2.4	0.8	0.0	0.4	0.3	0.5	13.9
1967	2.0	1.6	0.6	0.6	2.5	2.6	2.4	0.9	0.1	0.4	0.3	0.0	14.2
1968	1.1	2.1	0.5	0.7	2.6	2.6	2.4	0.7	0.1	0.6	1.1	0.6	15.1
1969	1.6	1.8	0.7	0.5	2.6	2.6	1.8	0.8	0.0	0.4	0.8	0.0	13.9
1970	1.3	0.7	0.7	0.5	2.2	2.5	2.4	0.6	0.1	0.8	0.7	0.0	12.6
1971	0.6	1.6	0.7	0.5	2.0	2.6	2.3	0.8	0.1	0.7	1.6	0.0	13.6
1972	1.7	2.1	0.7	0.6	1.9	2.6	2.4	0.9	0.0	0.5	0.3	0.1	13.9
1973	2.0	1.9	0.7	0.7	2.4	2.2	1.0	0.9	0.1	0.7	1.8	0.0	14.4
1974	2.0	1.9	0.7	0.6	1.7	2.6	2.4	0.9	0.1	0.8	1.7	0.0	15.7
1975	1.2	1.9	0.7	0.5	1.9	2.6	1.1	0.8	0.1	0.8	1.0	0.8	13.2
1976	2.0	2.1	0.7	0.5	2.6	2.6	2.3	0.8	0.1	0.7	0.5	0.0	15.2
1977	1.6	2.0	0.7	0.7	2.3	2.6	2.2	0.9	0.0	0.4	0.3	0.0	14.0
1978	1.7	2.1	0.6	0.7	2.6	2.6	2.0	0.9	0.1	0.4	0.3	0.0	14.1
1979	2.0	1.8	0.7	0.7	2.4	2.6	2.4	0.6	0.1	0.6	0.3	0.6	14.7
1980	2.0	2.1	0.7	0.5	2.4	2.6	2.4	0.9	0.1	0.6	0.8	0.1	15.4
1981	1.2	1.2	0.7	0.6	2.2	2.6	0.9	0.7	0.1	0.5	2.0	0.1	12.8
1982	2.0	2.1	0.6	0.6	1.5	2.6	2.4	0.9	0.1	0.4	0.3	0.0	13.8
1983	2.0	2.1	0.7	0.7	2.4	2.6	2.2	0.9	0.1	0.5	1.3	0.0	15.6
1984	0.0	0.0	0.6	0.6	2.6	2.6	2.0	0.9	0.0	0.7	1.3	1.3	12.7
1985	0.3	1.7	0.6	0.7	2.5	2.6	1.9	0.9	0.1	0.8	1.4	0.0	13.7
1986	1.1	2.0	0.4	0.7	2.4	2.6	2.4	0.8	0.1	0.4	1.9	0.5	15.3
MEAN	1.1	1.6	0.6	0.6	2.3	2.6	2.1	0.8	0.1	0.6	0.9	0.3	13.7

Table F.3.16 (14/26) IRRIGATION WATER DEMAND AT PARAKRAMA SAMUDRA (D2)
(Present Condition, Irrigation Area : 10,100 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	13.9	24.3	8.7	9.2	42.5	43.9	41.0	19.9	1.8	12.5	13.0	0.0	230.7
1950	21.0	30.7	4.8	10.7	38.4	43.9	43.8	16.6	2.0	15.2	24.9	11.1	263.0
1951	0.0	24.0	7.4	8.7	42.5	43.9	39.2	19.2	0.8	16.7	3.5	0.8	206.8
1952	0.0	21.9	8.1	8.7	34.7	43.9	39.5	20.9	1.2	13.5	23.2	5.3	220.9
1953	10.1	26.3	7.4	7.3	42.8	39.8	24.6	19.6	0.9	11.2	16.5	0.0	206.6
1954	1.3	25.3	3.7	9.1	42.8	43.9	34.7	17.7	2.2	13.0	23.5	0.0	217.0
1955	5.6	24.4	8.6	8.8	40.2	43.9	43.8	13.4	0.6	13.9	32.8	15.0	250.9
1956	21.9	29.2	7.5	9.2	42.8	32.1	43.4	18.3	2.1	12.3	8.8	0.1	227.9
1957	23.5	0.7	8.7	9.8	31.5	43.8	39.6	20.4	2.0	13.5	3.5	0.0	197.2
1958	14.0	26.1	6.6	9.6	38.6	43.9	43.8	11.7	1.9	12.6	18.5	0.0	227.4
1959	4.8	33.7	8.7	9.3	41.9	43.3	43.8	19.9	1.1	8.6	5.7	0.7	221.5
1960	3.9	0.0	7.1	5.7	27.9	43.9	28.5	20.3	1.8	15.6	14.2	17.2	186.1
1961	0.0	6.7	6.6	9.0	30.1	43.7	43.8	20.9	2.1	14.4	4.6	0.0	181.9
1962	12.0	29.0	7.5	9.4	36.9	43.9	43.7	20.1	1.0	13.8	21.0	5.9	244.1
1963	0.0	7.1	6.6	7.3	40.8	43.8	40.1	20.7	0.9	13.3	3.5	0.0	184.2
1964	17.5	11.2	2.5	9.6	41.0	43.9	33.0	18.9	1.5	16.0	27.7	14.0	236.8
1965	24.5	0.0	8.7	7.9	28.3	43.3	43.8	12.2	2.2	11.8	3.5	0.0	186.2
1966	7.9	33.7	5.0	6.9	42.8	43.8	43.7	14.2	1.7	8.6	10.6	0.0	218.9
1967	29.2	15.9	8.0	9.5	42.6	43.9	43.8	20.8	2.0	11.3	3.5	0.0	230.6
1968	21.0	33.7	6.1	9.3	42.8	43.9	43.8	20.5	1.9	13.2	8.6	7.0	251.7
1969	23.8	31.7	8.6	6.4	42.8	43.9	33.9	16.3	1.8	11.1	32.1	0.0	252.4
1970	15.4	1.8	8.7	7.6	30.4	34.1	43.8	15.3	1.8	12.4	3.5	0.0	175.0
1971	15.9	24.9	5.0	8.1	41.8	43.9	27.4	5.4	2.1	13.0	23.9	0.0	211.4
1972	32.3	33.7	8.7	8.6	31.0	43.9	43.4	20.8	0.0	8.6	3.5	0.0	234.7
1973	34.2	23.1	8.2	10.4	35.5	37.9	4.9	19.0	0.0	13.4	3.5	0.0	190.0
1974	34.2	30.2	8.5	8.5	38.1	43.9	43.8	20.7	0.8	17.8	22.6	4.1	273.1
1975	19.3	16.6	3.9	7.7	33.0	43.9	3.6	15.7	2.2	12.7	11.8	0.0	170.4
1976	9.4	33.7	8.7	10.0	42.8	40.6	43.3	16.8	1.2	15.0	3.5	0.0	225.0
1977	18.6	30.8	5.5	7.7	32.2	43.7	25.2	16.5	0.7	11.3	3.5	0.0	195.8
1978	30.2	28.5	6.5	10.7	42.7	43.9	43.1	20.9	2.2	9.3	3.5	0.0	241.3
1979	29.9	21.3	7.7	10.1	42.5	43.9	43.7	17.1	1.0	12.5	3.5	0.0	233.3
1980	34.2	33.7	8.7	8.5	40.0	43.9	43.8	20.9	1.5	12.1	15.7	7.7	270.6
1981	19.4	19.6	8.6	10.1	36.1	43.9	34.3	18.7	0.9	12.5	30.5	0.4	234.8
1982	34.2	33.7	6.1	9.6	26.8	43.2	43.1	16.7	0.4	14.6	13.0	0.0	241.5
1983	33.8	33.7	8.7	10.7	36.3	43.5	30.4	20.8	2.2	11.5	32.3	0.0	263.9
1984	0.0	0.0	2.4	6.9	42.8	43.9	43.3	20.6	0.0	15.8	9.7	16.3	201.7
1985	9.4	25.4	7.4	9.9	42.8	43.9	40.6	18.1	0.4	16.1	23.4	0.0	237.4
1986	0.6	27.0	5.7	10.3	39.3	43.7	40.5	20.3	2.1	8.9	31.2	0.0	229.5
MEAN	16.5	22.5	7.0	8.9	38.1	42.9	37.7	18.1	1.4	12.9	14.3	2.8	223.0

Table F.3.16 (15/26) IRRIGATION WATER DEMAND AT SYSTEM E
(Present Condition, Irrigation Area : 6,100 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	6.3	19.1	9.6	7.0	34.6	35.4	29.3	6.3	0.0	5.9	8.6	0.9	162.8
1950	11.1	20.0	7.9	8.5	30.1	35.4	30.6	8.6	0.0	7.7	18.9	6.6	185.3
1951	1.8	20.1	8.6	8.0	34.2	35.4	30.0	6.3	0.0	7.0	8.6	0.9	160.7
1952	1.8	21.6	9.3	5.5	27.3	35.4	26.7	8.7	0.0	7.9	11.3	7.1	162.7
1953	1.8	10.4	7.2	6.5	34.7	34.7	28.2	8.2	0.0	6.9	15.1	0.9	154.5
1954	2.1	1.9	5.9	7.1	32.8	35.4	30.6	8.3	0.0	5.0	15.2	0.9	145.1
1955	1.8	2.9	5.1	6.7	34.6	35.4	30.7	7.9	0.0	8.7	21.3	4.1	159.0
1956	6.7	22.1	7.6	7.4	34.7	30.4	30.7	8.7	0.0	7.0	8.6	0.9	164.7
1957	1.8	7.5	9.6	8.5	34.0	35.4	29.9	8.7	0.0	5.5	8.6	0.9	150.4
1958	1.8	16.9	5.1	6.4	33.3	35.4	30.6	8.2	0.0	8.8	9.7	0.9	157.0
1959	10.3	21.9	8.8	6.4	21.5	35.2	30.7	7.6	0.0	4.7	8.6	0.9	156.5
1960	1.8	1.9	9.6	5.7	26.5	35.4	21.3	8.7	0.0	6.3	8.6	13.1	138.6
1961	1.8	13.8	6.7	4.6	32.5	35.4	30.6	8.7	0.0	6.9	8.6	0.9	150.4
1962	1.8	15.3	5.9	5.8	24.5	35.4	30.6	2.3	0.0	7.4	14.4	1.4	144.8
1963	1.8	4.7	7.4	6.9	32.1	35.4	29.3	8.8	0.0	6.4	8.6	0.9	142.1
1964	1.8	1.9	6.3	8.1	30.9	35.4	24.1	6.9	0.0	8.1	20.5	0.9	144.7
1965	13.2	1.9	7.7	6.0	31.8	35.3	30.7	4.3	0.0	5.5	8.6	0.9	145.9
1966	1.8	20.9	4.0	7.9	33.3	35.3	30.7	7.3	0.0	5.2	8.8	2.1	157.5
1967	7.8	6.2	7.0	8.3	34.6	33.2	30.7	8.7	0.0	6.2	8.6	0.9	152.1
1968	6.8	26.2	3.2	7.9	34.6	35.4	30.6	8.8	0.0	6.6	19.4	1.3	180.6
1969	1.8	14.2	9.3	5.7	33.3	35.4	30.6	5.2	0.0	4.7	24.9	0.9	166.0
1970	1.9	1.9	7.6	7.1	30.5	35.4	30.7	8.7	0.0	9.1	13.5	3.5	149.8
1971	1.8	19.3	8.6	7.5	33.5	35.3	29.5	7.8	0.0	6.8	10.1	0.9	161.1
1972	13.5	25.4	8.4	7.8	29.7	35.3	29.6	5.0	0.0	4.7	8.6	0.9	168.8
1973	19.3	1.9	8.4	8.1	33.6	32.5	27.9	8.7	0.0	7.1	8.6	0.9	157.0
1974	28.1	17.9	9.3	6.7	28.8	35.4	29.5	8.6	0.0	8.9	27.2	0.9	201.1
1975	11.9	16.3	6.9	7.6	27.4	35.3	21.5	8.1	0.0	8.7	19.8	1.6	165.1
1976	3.6	24.1	8.8	7.5	33.5	32.7	28.2	7.5	0.0	8.5	12.0	8.8	175.5
1977	25.3	23.2	5.8	8.1	30.5	35.4	24.4	8.5	0.0	6.1	14.0	3.5	184.8
1978	19.6	22.2	8.4	7.7	33.3	35.4	30.5	8.7	0.0	6.4	20.2	0.9	193.2
1979	16.9	22.0	7.3	8.1	34.6	35.3	30.5	8.8	0.0	5.4	8.6	1.9	179.5
1980	25.8	26.2	8.9	5.3	33.3	35.4	30.7	8.7	0.0	6.2	10.2	19.8	210.4
1981	19.2	15.9	7.6	8.0	27.6	35.4	23.5	8.8	0.0	7.3	15.7	1.9	170.8
1982	28.1	26.2	7.9	6.2	29.3	35.3	28.7	8.6	0.0	7.1	12.5	0.9	190.8
1983	26.2	25.7	9.4	8.4	22.9	34.2	21.6	8.5	0.0	5.9	23.0	0.9	186.5
1984	1.8	1.9	4.0	7.0	31.9	34.7	27.1	8.0	0.0	8.5	17.4	13.5	155.7
1985	1.8	12.5	6.6	7.3	32.6	34.2	30.6	6.3	0.0	7.8	21.5	0.9	162.0
1986	1.8	16.7	4.5	8.2	25.9	33.4	28.2	8.4	0.0	4.9	26.2	4.6	162.8
MEAN	8.8	15.0	7.4	7.2	31.2	34.9	28.7	7.8	0.0	6.8	14.1	3.0	164.6

Table F.3.16 (16/26) IRRIGATION WATER DEMAND AT SYSTEM G
(Present Condition, Irrigation Area : 5,400 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	7.1	18.0	2.5	0.1	19.5	31.0	28.5	15.1	2.0	3.9	10.3	1.0	139.2
1950	15.4	11.9	1.6	0.1	18.3	31.0	29.5	16.6	1.4	4.2	19.4	8.9	158.3
1951	2.1	14.9	2.0	0.2	16.6	31.0	29.5	14.3	1.7	5.3	9.5	6.4	133.3
1952	2.1	6.8	2.8	0.1	16.6	31.0	29.3	18.1	1.5	4.7	19.1	8.0	140.1
1953	8.6	14.5	2.3	0.1	19.7	30.8	17.8	17.0	1.7	2.9	15.7	1.0	132.2
1954	5.1	15.1	1.1	0.1	19.5	31.0	29.2	16.3	2.0	4.1	17.6	1.0	142.3
1955	2.4	14.4	2.8	0.1	19.1	31.0	29.5	15.8	1.4	5.1	21.0	8.7	151.4
1956	17.4	16.2	2.4	0.1	19.7	29.3	29.4	18.0	2.0	4.3	10.0	1.0	149.9
1957	15.1	2.6	2.8	0.1	15.9	31.0	28.3	18.0	1.4	2.9	9.5	1.0	128.6
1958	14.5	14.4	1.0	0.1	19.0	31.0	29.4	16.6	1.6	4.3	15.0	1.0	147.9
1959	13.3	17.9	2.8	0.1	17.7	31.0	29.5	17.6	1.6	3.6	9.5	5.3	149.7
1960	6.8	2.0	2.7	0.1	18.0	30.9	19.3	18.1	1.8	4.4	12.0	13.4	129.6
1961	7.0	11.7	2.0	0.1	17.0	30.9	29.5	18.1	1.9	4.5	9.5	1.0	133.4
1962	9.6	17.3	2.4	0.1	15.2	31.0	29.5	16.6	1.9	4.2	18.5	7.3	153.5
1963	2.1	3.3	1.9	0.1	19.5	31.0	28.2	18.1	1.6	3.9	9.5	1.0	120.3
1964	10.5	6.1	2.0	0.1	17.5	31.0	25.9	17.9	1.7	5.0	15.4	11.8	144.9
1965	18.0	8.1	1.9	0.1	13.1	30.9	29.5	14.5	2.0	4.1	9.5	1.0	132.8
1966	6.4	17.5	2.0	0.1	19.7	31.0	29.4	14.9	1.5	2.9	12.1	9.7	147.3
1967	20.1	11.8	2.5	0.1	18.6	30.8	29.5	18.1	1.7	3.0	9.5	1.0	146.6
1968	14.7	18.7	1.5	0.1	19.7	31.0	29.5	18.0	1.3	3.9	12.3	8.3	159.0
1969	9.8	15.2	2.8	0.1	19.7	31.0	29.3	11.8	1.9	2.9	17.8	1.0	143.3
1970	14.6	4.5	2.3	0.1	18.6	30.8	29.5	16.9	1.7	5.0	12.6	2.8	139.4
1971	6.8	15.7	2.4	0.1	19.5	30.9	29.0	13.3	1.9	5.2	18.4	1.0	144.3
1972	22.2	18.7	2.8	0.1	12.6	31.0	29.5	18.1	0.2	3.0	9.5	1.8	149.6
1973	23.0	16.2	2.8	0.2	19.5	29.2	22.1	18.0	1.0	4.5	10.6	1.0	148.1
1974	23.1	13.0	2.8	0.1	19.7	31.0	29.5	18.1	1.3	5.3	21.1	1.0	166.0
1975	15.4	15.4	2.5	0.1	17.9	31.0	15.9	18.0	1.9	5.2	19.1	5.8	148.2
1976	18.7	16.6	2.8	0.2	19.7	31.0	27.6	16.0	2.0	4.5	15.5	1.0	155.5
1977	16.3	18.4	2.7	0.1	19.5	31.0	27.1	17.9	1.3	3.3	17.6	1.6	156.9
1978	18.3	18.5	2.3	0.2	19.5	31.0	29.5	18.1	2.0	2.9	14.3	1.0	157.8
1979	16.4	17.9	2.5	0.1	17.1	31.0	29.4	17.1	1.3	4.1	9.5	2.5	149.1
1980	23.0	18.7	2.7	0.1	19.2	31.0	29.5	18.1	1.6	4.0	14.5	8.2	170.8
1981	14.9	13.6	2.8	0.1	18.2	31.0	27.5	13.8	1.4	4.4	23.3	3.5	154.7
1982	23.1	18.7	2.2	0.1	14.6	30.9	29.4	18.1	1.8	4.1	14.3	1.0	158.4
1983	23.0	18.7	2.8	0.2	14.5	30.9	23.3	18.1	2.0	3.8	21.8	1.0	160.2
1984	2.1	2.0	1.5	0.1	19.3	31.0	28.3	18.0	1.1	4.9	17.8	17.8	143.8
1985	11.2	13.8	2.1	0.1	18.2	31.0	29.4	15.9	0.5	5.3	15.3	1.0	143.7
1986	2.1	13.7	1.6	0.2	16.1	30.8	29.2	18.1	2.0	3.3	24.2	6.9	148.2
MEAN	12.7	13.5	2.3	0.1	18.0	30.8	27.8	16.9	1.6	4.1	14.8	4.2	146.8

Table F.3.16 (17/26) IRRIGATION WATER DEMAND AT KANDALAMA (H)
(Present Condition, Irrigation Area : 4,900 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	12.9	15.3	3.1	1.6	6.6	13.1	12.2	7.2	4.0	4.7	11.5	9.4	101.5
1950	19.1	13.5	3.0	2.0	7.4	12.7	14.1	9.2	3.3	6.0	12.8	10.5	113.5
1951	6.1	13.2	3.3	1.5	4.2	13.1	12.8	9.0	0.0	5.4	8.1	16.6	93.4
1952	10.8	15.4	3.2	1.5	8.8	13.1	11.9	9.7	2.9	5.5	19.6	15.0	117.4
1953	17.2	16.3	3.7	1.6	9.7	13.6	10.8	7.9	2.8	4.0	14.5	7.6	109.6
1954	17.0	16.3	1.9	1.4	8.2	13.6	12.1	8.7	4.3	5.1	10.5	1.6	100.7
1955	10.3	15.8	3.4	1.5	5.4	13.6	14.7	7.6	0.0	5.4	14.7	18.2	110.6
1956	19.1	16.3	2.8	2.0	9.6	8.9	14.5	10.0	4.1	5.9	14.3	13.4	120.9
1957	18.2	13.5	3.8	1.4	4.0	12.5	14.6	10.1	3.5	4.3	6.8	1.6	94.3
1958	10.7	16.3	2.6	1.4	4.9	13.3	14.5	7.8	4.3	5.5	14.0	15.9	111.0
1959	18.1	15.4	3.6	1.5	3.4	12.1	14.3	10.2	2.7	5.8	6.8	11.4	105.3
1960	14.3	8.6	3.8	1.2	6.6	13.3	4.2	10.1	3.0	5.6	6.8	11.6	89.0
1961	9.6	12.0	3.6	1.5	7.4	10.4	13.4	10.0	3.8	4.5	11.0	5.8	92.8
1962	14.5	16.3	3.7	1.6	4.5	13.4	14.3	10.0	2.8	4.0	17.6	7.1	109.8
1963	8.3	13.8	2.7	1.3	8.1	13.0	14.2	10.1	3.1	4.3	6.8	1.6	87.4
1964	18.4	15.4	3.0	1.7	7.5	13.4	11.2	9.8	1.9	5.5	14.0	14.5	116.5
1965	19.1	14.2	2.8	1.6	3.8	13.4	14.6	3.6	4.3	4.0	6.8	1.6	89.8
1966	18.8	16.3	1.9	1.4	9.7	13.4	13.7	8.9	1.4	4.5	6.8	7.7	104.4
1967	20.8	11.5	2.7	1.9	6.7	12.8	14.4	10.1	3.7	4.5	12.6	2.4	104.0
1968	19.6	16.3	3.0	1.7	9.4	11.6	14.3	10.2	3.3	5.0	9.1	12.8	116.3
1969	18.7	15.5	2.8	1.4	9.3	13.6	14.6	5.5	3.9	4.3	17.3	1.9	108.8
1970	17.3	10.8	3.3	1.7	5.7	13.6	13.9	10.2	2.8	5.7	7.5	12.3	104.6
1971	10.3	13.5	3.8	1.3	6.3	12.0	14.6	5.9	2.9	5.4	16.8	1.6	94.4
1972	20.8	16.3	3.8	1.6	4.1	13.6	13.8	10.2	2.8	4.4	13.9	11.2	116.3
1973	20.8	16.3	3.8	1.8	8.5	13.1	12.2	9.1	2.1	5.1	19.1	1.6	113.5
1974	20.9	12.9	3.6	1.4	6.4	13.6	14.3	10.0	0.6	6.9	17.9	10.9	119.4
1975	18.7	16.2	2.8	1.4	5.1	13.1	10.6	7.9	3.3	5.9	13.3	12.6	110.8
1976	20.8	16.3	3.3	1.3	9.7	13.7	14.5	10.0	3.4	4.7	8.7	8.4	114.8
1977	16.9	15.6	3.6	1.5	5.6	13.6	13.5	6.3	2.6	4.0	10.5	12.6	106.1
1978	20.5	15.4	3.6	1.8	3.5	13.7	9.4	10.2	3.7	4.5	6.8	8.0	100.9
1979	20.8	16.2	3.8	1.7	8.8	13.5	14.0	10.1	1.8	4.6	10.2	13.3	118.8
1980	20.9	16.3	3.5	1.6	5.8	11.9	14.6	9.8	0.8	5.5	6.8	11.9	109.4
1981	18.8	16.3	3.7	1.5	6.9	13.4	10.3	8.5	2.1	5.5	13.7	13.8	114.5
1982	20.9	16.3	3.0	1.7	4.1	13.0	14.6	10.0	3.5	4.8	11.8	12.4	116.2
1983	20.8	16.3	3.8	1.8	3.2	12.8	13.6	10.2	3.7	6.0	15.6	1.6	109.4
1984	11.1	1.7	0.6	1.6	8.7	13.7	11.7	10.2	0.0	6.1	9.1	11.8	86.3
1985	17.5	14.3	3.7	2.2	7.5	12.6	10.5	9.8	3.0	5.6	9.3	11.7	107.6
1986	10.3	16.0	2.5	1.7	5.6	13.1	13.8	9.4	3.6	5.0	16.4	14.5	111.9
MEAN	16.6	14.6	3.2	1.6	6.6	12.9	13.0	9.0	2.8	5.1	11.8	9.4	106.6

Table F.3.16 (18/26) IRRIGATION WATER DEMAND AT DAMBULU OYA (H)
(Present Condition, Irrigation Area : 2,200 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	5.8	6.9	1.4	0.7	2.9	5.9	5.5	3.2	1.8	2.1	5.1	4.2	45.6
1950	8.6	6.1	1.3	0.9	3.3	5.7	6.3	4.1	1.5	2.7	5.7	4.7	51.0
1951	2.8	5.9	1.5	0.7	1.9	5.9	5.8	4.0	0.0	2.4	3.6	7.5	41.9
1952	4.8	6.9	1.4	0.7	4.0	5.9	5.4	4.4	1.3	2.5	8.8	6.7	52.7
1953	7.7	7.3	1.7	0.7	4.4	6.1	4.9	3.5	1.3	1.8	6.5	3.4	49.2
1954	7.6	7.3	0.9	0.6	3.7	6.1	5.4	3.9	1.9	2.3	4.7	0.7	45.2
1955	4.6	7.1	1.5	0.7	2.4	6.1	6.6	3.4	0.0	2.4	6.6	8.2	49.7
1956	8.6	7.3	1.2	0.9	4.3	4.0	6.5	4.5	1.8	2.7	6.4	6.0	54.3
1957	8.2	6.1	1.7	0.6	1.8	5.6	6.5	4.5	1.6	2.0	3.0	0.7	42.3
1958	4.8	7.3	1.2	0.6	2.2	6.0	6.5	3.5	1.9	2.5	6.3	7.1	49.8
1959	8.1	6.9	1.6	0.7	1.5	5.4	6.4	4.6	1.2	2.6	3.0	5.1	47.3
1960	6.4	3.9	1.7	0.5	3.0	6.0	1.9	4.5	1.3	2.5	3.0	5.2	40.0
1961	4.3	5.4	1.6	0.7	3.3	4.7	6.0	4.5	1.7	2.0	4.9	2.6	41.7
1962	6.5	7.3	1.6	0.7	2.0	6.0	6.4	4.5	1.3	1.8	7.9	3.2	49.3
1963	3.7	6.2	1.2	0.6	3.6	5.8	6.4	4.5	1.4	1.9	3.0	0.7	39.2
1964	8.3	6.9	1.4	0.8	3.4	6.0	5.0	4.4	0.9	2.5	6.3	6.5	52.3
1965	8.6	6.4	1.3	0.7	1.7	6.0	6.6	1.6	1.9	1.8	3.0	0.7	40.3
1966	8.4	7.3	0.9	0.6	4.3	6.0	6.2	4.0	0.6	2.0	3.0	3.5	46.9
1967	9.3	5.2	1.2	0.8	3.0	5.8	6.5	4.5	1.6	2.0	5.7	1.1	46.7
1968	8.8	7.3	1.3	0.8	4.2	5.2	6.4	4.6	1.5	2.2	4.1	5.7	52.2
1969	8.4	7.0	1.3	0.6	4.2	6.1	6.5	2.5	1.8	1.9	7.8	0.8	48.9
1970	7.8	4.9	1.5	0.7	2.5	6.1	6.3	4.6	1.2	2.5	3.4	5.5	47.0
1971	4.6	6.1	1.7	0.6	2.8	5.4	6.6	2.7	1.3	2.4	7.6	0.7	42.4
1972	9.3	7.3	1.7	0.7	1.8	6.1	6.2	4.6	1.2	2.0	6.2	5.0	52.2
1973	9.4	7.3	1.7	0.8	3.8	5.9	5.5	4.1	0.9	2.3	8.6	0.7	51.0
1974	9.4	5.8	1.6	0.6	2.9	6.1	6.4	4.5	0.3	3.1	8.1	4.9	53.6
1975	8.4	7.3	1.3	0.6	2.3	5.9	4.8	3.5	1.5	2.7	6.0	5.7	49.7
1976	9.3	7.3	1.5	0.6	4.4	6.1	6.5	4.5	1.5	2.1	3.9	3.8	51.6
1977	7.6	7.0	1.6	0.7	2.5	6.1	6.0	2.8	1.2	1.8	4.7	5.7	47.6
1978	9.2	6.9	1.6	0.8	1.6	6.1	4.2	4.6	1.7	2.0	3.0	3.6	45.3
1979	9.3	7.3	1.7	0.8	4.0	6.1	6.3	4.5	0.8	2.1	4.6	6.0	53.3
1980	9.4	7.3	1.6	0.7	2.6	5.3	6.6	4.4	0.4	2.5	3.0	5.3	49.1
1981	8.5	7.3	1.6	0.7	3.1	6.0	4.6	3.8	1.0	2.5	6.2	6.2	51.4
1982	9.4	7.3	1.4	0.8	1.8	5.8	6.6	4.5	1.6	2.2	5.3	5.6	52.2
1983	9.4	7.3	1.7	0.8	1.4	5.8	6.1	4.6	1.7	2.7	7.0	0.7	49.1
1984	5.0	0.8	0.3	0.7	3.9	6.1	5.3	4.6	0.0	2.7	4.1	5.3	38.8
1985	7.9	6.4	1.7	1.0	3.4	5.7	4.7	4.4	1.4	2.5	4.2	5.3	48.3
1986	4.6	7.2	1.1	0.8	2.5	5.9	6.2	4.2	1.6	2.2	7.4	6.5	50.3
MEAN	7.4	6.5	1.4	0.7	3.0	5.8	5.9	4.1	1.2	2.3	5.3	4.2	47.9

Table F.3.16 (19/26) IRRIGATION WATER DEMAND AT KALAWEWA (H)
(Present Condition, Irrigation Area : 27,600 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	72.5	86.3	17.7	8.8	36.9	73.8	68.6	40.6	22.5	26.7	64.6	53.0	572.0
1950	107.4	76.3	16.7	11.2	41.4	71.3	79.6	51.8	18.6	33.9	71.9	59.0	639.3
1951	34.6	74.2	18.7	8.5	23.6	74.0	72.3	50.5	0.0	30.6	45.6	93.5	526.2
1952	60.8	86.5	18.1	8.2	49.8	74.0	67.2	54.9	16.1	31.1	110.2	84.5	661.4
1953	96.7	91.6	20.8	8.8	54.7	76.7	61.0	44.3	15.7	22.6	81.9	42.6	617.4
1954	95.6	91.8	10.9	7.9	46.4	76.7	68.0	48.8	24.2	28.6	59.1	8.9	567.1
1955	57.9	89.1	19.2	8.6	30.3	76.7	82.8	43.0	0.0	30.5	82.6	102.5	623.0
1956	107.8	91.7	15.6	11.3	54.1	50.3	81.5	56.0	23.1	33.5	80.5	75.5	681.0
1957	102.7	76.0	21.4	8.0	22.3	70.1	82.0	56.8	20.0	24.5	38.3	8.9	531.1
1958	60.1	91.6	14.5	7.7	27.5	74.9	81.5	44.1	24.2	30.8	79.1	89.5	625.3
1959	101.7	86.8	20.5	8.7	19.0	68.2	80.6	57.5	14.9	32.9	38.3	64.0	592.9
1960	80.5	48.4	21.2	6.7	37.1	74.9	23.8	57.1	16.8	31.4	38.3	65.2	501.5
1961	54.1	67.3	20.0	8.2	41.6	58.5	75.5	56.0	21.7	25.1	62.0	32.6	522.7
1962	81.9	91.5	20.7	9.0	25.3	75.8	80.3	56.2	15.9	22.6	99.1	40.1	618.4
1963	46.6	77.8	15.4	7.5	45.8	73.2	79.9	56.8	17.6	24.3	38.3	8.9	492.1
1964	103.7	86.8	17.0	9.7	42.3	75.8	63.0	55.1	10.8	31.1	79.1	81.8	656.1
1965	107.4	79.9	15.7	8.9	21.6	75.8	82.2	20.4	24.2	22.6	38.3	8.9	505.9
1966	105.8	91.5	10.7	8.0	54.5	75.8	77.2	49.9	7.7	25.4	38.3	43.6	588.3
1967	117.1	64.8	15.1	10.5	38.0	72.2	81.0	56.6	20.6	25.1	71.2	13.7	585.9
1968	110.1	91.9	16.9	9.7	52.9	65.4	80.6	57.5	18.8	28.2	51.0	71.8	654.9
1969	105.4	87.6	15.8	8.1	52.2	76.4	82.0	31.1	22.0	24.4	97.6	10.6	613.1
1970	97.3	61.0	18.5	9.3	31.9	76.7	78.5	57.3	15.5	31.9	42.3	69.3	589.4
1971	57.9	76.3	21.2	7.4	35.3	67.6	82.2	33.3	16.2	30.7	94.8	8.9	531.9
1972	116.9	91.9	21.3	8.8	23.2	76.7	77.8	57.5	15.5	24.6	78.1	63.0	655.3
1973	117.4	91.6	21.4	10.0	48.1	74.0	68.6	51.4	11.7	28.7	107.4	8.9	639.3
1974	117.5	72.7	20.5	7.7	35.9	76.7	80.6	56.0	3.4	39.1	101.1	61.2	672.3
1975	105.1	91.1	15.9	7.7	28.5	73.6	59.6	44.3	18.7	33.4	74.8	71.2	623.9
1976	117.1	91.9	18.4	7.5	54.7	76.9	81.7	56.4	19.2	26.3	49.1	47.3	646.8
1977	95.0	87.8	20.3	8.4	31.3	76.4	75.8	35.5	14.4	22.6	59.1	70.9	597.6
1978	115.2	86.8	20.2	9.9	19.6	76.9	52.7	57.3	21.0	25.6	38.3	44.8	568.2
1979	117.3	91.4	21.3	9.6	49.6	76.0	78.7	56.6	9.9	25.9	57.7	75.1	669.2
1980	117.5	91.9	19.8	8.8	32.5	67.0	82.5	55.3	4.6	31.3	38.3	66.8	616.2
1981	106.1	91.7	20.6	8.4	38.8	75.3	58.2	48.0	11.9	30.9	77.4	77.5	644.7
1982	117.5	91.9	17.1	9.6	23.2	73.2	82.5	56.4	19.5	27.1	66.2	69.9	654.3
1983	117.4	91.9	21.5	10.3	17.8	72.4	76.4	57.3	21.1	33.9	87.6	8.9	616.5
1984	62.7	9.8	3.2	9.0	48.9	76.9	66.1	57.5	0.0	34.3	51.3	66.5	486.2
1985	98.7	80.4	20.9	12.2	42.1	71.0	59.1	55.5	17.1	31.3	52.2	65.9	606.3
1986	57.9	90.4	13.9	9.4	31.5	74.0	77.6	53.0	20.4	28.2	92.5	81.8	630.6
MEAN	93.3	82.1	17.9	8.9	37.1	72.9	73.4	50.9	15.7	28.7	66.7	53.1	600.6

Table F.3.16 (20/26) IRRIGATION WATER DEMAND AT RAJANGANA (H)
(Present Condition, Irrigation Area : 6,700 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	17.6	20.9	4.3	2.1	9.0	17.9	16.7	9.9	5.5	6.5	15.7	12.9	138.8
1950	26.1	18.5	4.1	2.7	10.1	17.3	19.3	12.6	4.5	8.2	17.5	14.3	155.2
1951	8.4	18.0	4.5	2.1	5.7	18.0	17.6	12.3	0.0	7.4	11.1	22.7	127.7
1952	14.8	21.0	4.4	2.0	12.1	18.0	16.3	13.3	3.9	7.5	26.7	20.5	160.6
1953	23.5	22.2	5.1	2.1	13.3	18.6	14.8	10.7	3.8	5.5	19.9	10.4	149.9
1954	23.2	22.3	2.7	1.9	11.3	18.6	16.5	11.9	5.9	6.9	14.4	2.2	137.7
1955	14.0	21.6	4.7	2.1	7.3	18.6	20.1	10.4	0.0	7.4	20.1	24.9	151.2
1956	26.2	22.3	3.8	2.8	13.1	12.2	19.8	13.6	5.6	8.1	19.5	18.3	165.3
1957	24.9	18.5	5.2	1.9	5.4	17.0	19.9	13.8	4.8	5.9	9.3	2.2	128.9
1958	14.6	22.2	3.5	1.9	6.7	18.2	19.8	10.7	5.9	7.5	19.2	21.7	151.8
1959	24.7	21.1	5.0	2.1	4.6	16.5	19.6	14.0	3.6	8.0	9.3	15.5	143.9
1960	19.5	11.8	5.2	1.6	9.0	18.2	5.8	13.8	4.1	7.6	9.3	15.8	121.7
1961	13.1	16.3	4.9	2.0	10.1	14.2	18.3	13.6	5.3	6.1	15.0	7.9	126.9
1962	19.9	22.2	5.0	2.2	6.1	18.4	19.5	13.7	3.9	5.5	24.1	9.7	150.1
1963	11.3	18.9	3.7	1.8	11.1	17.8	19.4	13.8	4.3	5.9	9.3	2.2	119.5
1964	25.2	21.1	4.1	2.4	10.3	18.4	15.3	13.4	2.6	7.5	19.2	19.9	159.3
1965	25.1	19.4	3.8	2.2	5.3	18.4	20.0	4.9	5.9	5.5	9.3	2.2	122.8
1966	26.7	22.2	2.6	1.9	13.2	18.4	18.7	12.1	1.9	6.2	9.3	10.6	142.8
1967	28.4	15.7	3.7	2.6	9.2	17.5	19.7	13.8	5.0	6.1	17.3	3.3	142.2
1968	26.7	22.3	4.1	2.4	12.8	15.9	19.6	14.0	4.6	6.8	12.4	17.4	159.0
1969	25.6	21.3	3.8	2.0	12.7	18.6	19.9	7.6	5.3	5.9	23.7	2.6	148.8
1970	23.6	14.8	4.5	2.3	7.7	18.6	19.1	13.9	3.8	7.7	10.3	16.8	143.1
1971	14.0	18.5	5.2	1.8	8.6	16.4	20.0	8.1	3.9	7.4	23.0	2.2	129.1
1972	28.4	22.3	5.2	2.1	5.6	18.6	18.9	14.0	3.8	6.0	19.0	15.3	159.1
1973	28.5	22.2	5.2	2.4	11.7	18.0	16.7	12.5	2.8	7.0	26.1	2.2	155.2
1974	28.5	17.7	5.0	1.9	8.7	18.6	19.6	13.6	0.8	9.5	24.5	14.8	163.2
1975	25.5	22.1	3.9	1.9	6.9	17.9	14.5	10.7	4.5	8.1	18.2	17.3	151.5
1976	26.4	22.3	4.5	1.8	13.3	18.7	19.8	13.7	4.7	6.4	11.9	11.5	157.0
1977	23.1	21.3	4.9	2.0	7.6	18.6	18.4	8.6	3.5	5.5	14.4	17.2	145.1
1978	28.0	21.1	4.9	2.4	4.7	18.7	12.8	13.9	5.1	6.2	9.3	10.9	137.9
1979	28.5	22.2	5.2	2.3	12.0	18.4	19.1	13.8	2.4	6.3	14.0	18.2	162.5
1980	28.5	22.3	4.8	2.1	7.9	16.3	20.0	13.4	1.1	7.6	9.3	16.2	149.6
1981	25.8	22.3	5.0	2.0	9.4	18.3	14.1	11.7	2.9	7.5	18.8	18.8	156.5
1982	28.5	22.3	4.1	2.3	5.6	17.8	20.0	13.7	4.7	6.6	16.1	17.0	158.8
1983	28.5	22.3	5.2	2.5	4.3	17.6	18.5	13.9	5.1	8.2	21.3	2.2	149.6
1984	15.2	2.4	0.8	2.2	11.9	18.7	16.0	14.0	0.0	8.3	12.4	16.1	118.0
1985	24.0	19.5	5.1	3.0	10.2	17.2	14.3	13.5	4.1	7.6	12.7	16.0	147.2
1986	14.0	21.9	3.4	2.3	7.6	18.0	18.8	12.9	4.9	6.8	22.5	19.3	153.1
MEAN	22.6	19.9	4.3	2.2	9.0	17.7	17.8	12.4	3.8	7.0	16.2	12.9	145.8

Table F.3.16 (21/26) IRRIGATION WATER DEMAND AT ANGAMUWA (H)
(Present Condition, Irrigation Area : 1,000 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	2.6	3.1	0.6	0.3	1.3	2.7	2.5	1.5	0.8	1.0	2.3	1.9	20.7
1950	3.9	2.8	0.6	0.4	1.5	2.6	2.9	1.9	0.7	1.2	2.6	2.1	23.2
1951	1.3	2.7	0.7	0.3	0.9	2.7	2.6	1.8	0.0	1.1	1.7	3.4	19.1
1952	2.2	3.1	0.7	0.3	1.8	2.7	2.4	2.0	0.6	1.1	4.0	3.1	24.0
1953	3.5	3.3	0.8	0.3	2.0	2.8	2.2	1.6	0.6	0.8	3.0	1.5	22.4
1954	3.5	3.3	0.4	0.3	1.7	2.8	2.5	1.8	0.9	1.0	2.1	0.3	20.5
1955	2.1	3.2	0.7	0.3	1.1	2.8	3.0	1.6	0.0	1.1	3.0	3.7	22.6
1956	3.9	3.3	0.6	0.4	2.0	1.8	3.0	2.0	0.8	1.2	2.9	2.7	24.7
1957	3.7	2.8	0.8	0.3	0.8	2.5	3.0	2.1	0.7	0.9	1.4	0.3	19.2
1958	2.2	3.3	0.5	0.3	1.0	2.7	3.0	1.6	0.9	1.1	2.9	3.2	22.7
1959	3.7	3.1	0.7	0.3	0.7	2.5	2.9	2.1	0.5	1.2	1.4	2.3	21.5
1960	2.9	1.8	0.8	0.2	1.3	2.7	0.9	2.1	0.6	1.1	1.4	2.4	18.2
1961	2.0	2.4	0.7	0.3	1.5	2.1	2.7	2.0	0.8	0.9	2.2	1.2	18.9
1962	3.0	3.3	0.7	0.3	0.9	2.7	2.9	2.0	0.6	0.8	3.6	1.5	22.4
1963	1.7	2.8	0.6	0.3	1.7	2.7	2.9	2.1	0.6	0.9	1.4	0.3	17.8
1964	3.8	3.1	0.6	0.4	1.5	2.7	2.3	2.0	0.4	1.1	2.9	3.0	23.8
1965	3.9	2.9	0.6	0.3	0.8	2.7	3.0	0.7	0.9	0.8	1.4	0.3	18.3
1966	3.8	3.3	0.4	0.3	2.0	2.7	2.8	1.8	0.3	0.9	1.4	1.6	21.3
1967	4.2	2.3	0.5	0.4	1.4	2.6	2.9	2.1	0.7	0.9	2.6	0.5	21.2
1968	4.0	3.3	0.6	0.4	1.9	2.4	2.9	2.1	0.7	1.0	1.8	2.6	23.7
1969	3.8	3.2	0.6	0.3	1.9	2.8	3.0	1.1	0.8	0.9	3.5	0.4	22.2
1970	3.5	2.2	0.7	0.3	1.2	2.8	2.8	2.1	0.6	1.2	1.5	2.5	21.4
1971	2.1	2.8	0.8	0.3	1.3	2.4	3.0	1.2	0.6	1.1	3.4	0.3	19.3
1972	4.2	3.3	0.8	0.3	0.8	2.8	2.8	2.1	0.6	0.9	2.8	2.3	23.7
1973	4.3	3.3	0.8	0.4	1.7	2.7	2.5	1.9	0.4	1.0	3.9	0.3	23.2
1974	4.3	2.6	0.7	0.3	1.3	2.8	2.9	2.0	0.1	1.4	3.7	2.2	24.4
1975	3.8	3.3	0.6	0.3	1.0	2.7	2.2	1.6	0.7	1.2	2.7	2.6	22.6
1976	4.2	3.3	0.7	0.3	2.0	2.8	3.0	2.0	0.7	1.0	1.8	1.7	23.4
1977	3.4	3.2	0.7	0.3	1.1	2.8	2.7	1.3	0.5	0.8	2.1	2.6	21.7
1978	4.2	3.1	0.7	0.4	0.7	2.8	1.9	2.1	0.8	0.9	1.4	1.6	20.6
1979	4.2	3.3	0.8	0.3	1.8	2.8	2.9	2.1	0.4	0.9	2.1	2.7	24.2
1980	4.3	3.3	0.7	0.3	1.2	2.4	3.0	2.0	0.2	1.1	1.4	2.4	22.3
1981	3.8	3.3	0.7	0.3	1.4	2.7	2.1	1.7	0.4	1.1	2.8	2.8	23.4
1982	4.3	3.3	0.6	0.3	0.8	2.7	3.0	2.0	0.7	1.0	2.4	2.5	23.7
1983	4.3	3.3	0.8	0.4	0.6	2.6	2.8	2.1	0.8	1.2	3.2	0.3	22.3
1984	2.3	0.4	0.1	0.3	1.8	2.8	2.4	2.1	0.0	1.2	1.9	2.4	17.6
1985	3.6	2.9	0.8	0.4	1.5	2.6	2.1	2.0	0.6	1.1	1.9	2.4	22.0
1986	2.1	3.3	0.5	0.3	1.1	2.7	2.8	1.9	0.7	1.0	3.4	3.0	22.8
MEAN	3.4	3.0	0.6	0.3	1.3	2.6	2.7	1.8	0.6	1.0	2.4	1.9	21.8

Table F.3.16 (22/26) IRRIGATION WATER DEMAND AT NACHCHADUWA (IH)
(Present Condition, Irrigation Area : 2,830 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	6.7	9.2	1.9	2.4	10.7	13.6	11.0	3.0	1.0	1.7	5.5	4.4	71.1
1950	10.5	8.1	1.8	3.1	11.4	13.5	11.9	3.7	0.9	2.3	6.3	5.1	78.4
1951	2.5	7.8	2.0	2.3	8.5	13.6	11.5	3.6	0.0	2.0	3.4	8.9	66.2
1952	5.4	9.3	1.9	2.1	12.5	13.6	10.8	3.8	0.7	2.0	8.6	7.2	78.1
1953	9.4	9.0	2.0	1.4	12.6	13.6	8.4	3.6	0.8	1.3	8.1	4.1	74.5
1954	6.6	9.5	0.7	1.7	11.1	13.6	10.8	3.0	1.0	1.9	8.4	0.3	68.8
1955	6.8	9.3	1.6	1.4	9.8	13.6	10.9	2.1	0.2	2.2	7.5	8.9	74.3
1956	9.9	9.3	2.1	2.9	12.6	12.6	11.7	3.7	1.1	2.4	5.9	6.4	80.6
1957	10.2	7.7	2.3	2.4	6.9	13.5	11.3	3.8	0.9	1.4	2.8	0.3	63.4
1958	9.8	9.2	1.5	2.5	9.9	13.6	11.8	3.2	1.0	2.0	6.8	8.2	79.6
1959	7.5	9.5	2.2	1.7	7.1	11.8	11.7	3.8	0.6	1.9	2.8	4.0	64.7
1960	9.2	5.9	2.3	2.5	11.3	13.6	7.1	3.7	0.9	1.9	3.5	8.5	70.4
1961	1.4	6.9	2.2	2.5	11.1	12.0	11.6	3.8	1.0	1.7	6.4	3.6	64.2
1962	4.2	8.7	2.1	2.3	6.8	13.6	11.8	3.7	0.7	1.3	8.7	4.4	68.4
1963	0.4	7.2	1.6	2.3	10.9	13.6	10.5	3.7	0.8	2.2	2.8	0.3	56.1
1964	10.5	8.7	1.5	2.6	11.8	13.6	10.2	3.7	0.5	1.5	6.8	6.1	77.6
1965	10.7	7.7	2.1	2.1	9.9	13.6	11.9	1.4	0.9	1.3	2.8	0.7	65.1
1966	7.8	9.5	2.1	2.0	12.5	13.6	11.7	2.8	0.7	1.8	5.4	5.3	75.5
1967	11.1	8.0	1.9	3.1	11.1	13.6	11.9	3.7	0.9	1.7	7.1	2.5	76.7
1968	10.6	9.6	2.1	2.4	12.5	13.5	11.8	3.8	0.6	1.9	7.3	7.5	83.7
1969	10.6	8.9	2.2	2.4	12.3	13.6	11.8	2.8	0.9	1.3	7.9	0.3	75.0
1970	9.8	7.7	1.9	2.6	9.7	13.6	11.8	3.0	0.8	1.7	3.0	5.3	71.0
1971	5.1	7.4	2.3	2.0	11.9	13.6	11.8	1.8	0.7	1.8	8.3	0.3	67.0
1972	11.1	9.6	2.3	2.5	8.0	13.5	11.6	3.8	0.7	1.3	7.4	5.8	77.4
1973	11.1	9.5	2.0	2.9	11.8	13.6	9.0	3.2	0.7	2.3	8.2	0.5	74.9
1974	11.1	8.5	2.2	1.8	11.3	13.6	11.8	3.7	0.8	2.5	9.8	3.4	80.8
1975	10.1	9.5	1.8	2.6	8.3	13.5	11.1	3.7	0.7	2.2	5.9	8.7	78.2
1976	11.1	9.6	1.2	2.5	12.6	13.6	11.8	3.8	1.0	1.3	2.8	7.6	79.1
1977	11.1	8.6	2.3	2.6	6.4	13.6	11.7	3.7	0.8	1.3	5.9	5.5	73.5
1978	10.9	9.5	1.9	2.6	10.8	13.6	9.6	3.8	0.9	2.1	2.8	3.4	72.0
1979	11.1	9.5	2.3	2.4	12.4	13.6	11.7	3.3	0.4	1.3	4.0	4.8	76.8
1980	11.1	9.6	1.7	2.3	10.1	13.4	11.8	3.8	0.6	1.9	4.5	8.0	78.8
1981	10.3	9.5	2.1	2.4	11.0	13.5	10.4	2.8	0.4	2.1	7.7	8.2	80.5
1982	11.1	9.6	2.0	2.6	10.7	13.5	11.9	3.8	0.9	1.5	6.4	6.2	80.2
1983	11.1	9.6	2.3	3.0	7.0	13.6	11.7	3.5	0.8	2.1	8.7	0.3	73.6
1984	0.3	0.3	1.6	2.5	12.5	13.6	10.7	3.8	0.2	2.4	4.5	9.0	61.4
1985	7.4	8.2	1.9	3.0	8.4	13.5	11.7	3.1	0.5	2.6	3.0	5.6	68.9
1986	5.1	9.5	1.4	2.6	9.9	13.6	11.8	3.7	0.9	1.8	8.5	7.6	76.4
MEAN	8.4	8.6	1.9	2.4	10.4	13.5	11.2	3.4	0.7	1.8	6.0	4.9	73.2

Table F.3.16 (23/26) IRRIGATION WATER DEMAND AT NUWARA WEWA (IH)
(Present Condition, Irrigation Area : 1,100 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	2.6	3.6	0.7	0.9	4.2	5.3	4.3	1.2	0.4	0.6	2.1	1.7	27.7
1950	4.1	3.1	0.7	1.2	4.5	5.3	4.6	1.4	0.3	0.9	2.4	2.0	30.5
1951	1.0	3.0	0.8	0.9	3.3	5.3	4.5	1.4	0.0	0.8	1.3	3.4	25.7
1952	2.1	3.6	0.8	0.8	4.9	5.3	4.2	1.5	0.3	0.8	3.3	2.8	30.4
1953	3.7	3.5	0.8	0.6	4.9	5.3	3.3	1.4	0.3	0.5	3.2	1.6	29.0
1954	2.6	3.7	0.3	0.7	4.3	5.3	4.2	1.2	0.4	0.7	3.3	0.1	26.7
1955	2.6	3.6	0.6	0.6	3.8	5.3	4.2	0.8	0.1	0.8	2.9	3.4	28.9
1956	3.8	3.6	0.8	1.1	4.9	4.9	4.6	1.4	0.4	0.9	2.3	2.5	31.3
1957	4.0	3.0	0.9	0.9	2.7	5.2	4.4	1.5	0.3	0.5	1.1	0.1	24.6
1958	3.8	3.6	0.6	1.0	3.9	5.3	4.6	1.2	0.4	0.8	2.6	3.2	30.9
1959	2.9	3.7	0.9	0.7	2.8	4.6	4.6	1.5	0.2	0.8	1.1	1.5	25.2
1960	3.6	2.3	0.9	1.0	4.4	5.3	2.7	1.4	0.4	0.7	1.3	3.3	27.3
1961	0.5	2.7	0.8	1.0	4.3	4.7	4.5	1.5	0.4	0.7	2.5	1.4	25.0
1962	1.6	3.4	0.8	0.9	2.7	5.3	4.6	1.4	0.3	0.5	3.4	1.7	26.6
1963	0.1	2.8	0.6	0.9	4.3	5.3	4.1	1.4	0.3	0.8	1.1	0.1	21.8
1964	4.1	3.4	0.6	1.0	4.6	5.3	4.0	1.4	0.2	0.6	2.7	2.4	30.2
1965	4.2	3.0	0.8	0.8	3.8	5.3	4.6	0.5	0.4	0.5	1.1	0.3	25.3
1966	3.0	3.7	0.8	0.8	4.9	5.3	4.6	1.1	0.3	0.7	2.1	2.1	29.3
1967	4.3	3.1	0.7	1.2	4.1	5.3	4.6	1.5	0.4	0.6	2.8	1.0	29.8
1968	4.1	3.7	0.8	0.9	4.9	5.3	4.6	1.5	0.2	0.7	2.8	2.9	32.5
1969	4.1	3.4	0.8	0.9	4.8	5.3	4.6	1.1	0.3	0.5	3.1	0.1	29.1
1970	3.8	3.0	0.7	1.0	3.8	5.3	4.6	1.2	0.3	0.7	1.2	2.0	27.6
1971	2.0	2.9	0.9	0.8	4.6	5.3	4.6	0.7	0.3	0.7	3.2	0.1	26.0
1972	4.3	3.7	0.9	1.0	3.1	5.2	4.5	1.5	0.3	0.5	2.9	2.2	30.1
1973	4.3	3.7	0.8	1.1	4.6	5.3	3.5	1.2	0.3	0.9	3.2	0.2	29.1
1974	4.3	3.3	0.8	0.7	4.4	5.3	4.6	1.4	0.3	1.0	3.8	1.3	31.4
1975	3.9	3.7	0.7	1.0	3.2	5.2	4.3	1.4	0.3	0.9	2.3	3.4	30.4
1976	4.3	3.7	0.5	1.0	4.9	5.3	4.6	1.5	0.4	0.5	1.1	3.0	30.7
1977	4.3	3.4	0.9	1.0	2.5	5.3	4.5	1.4	0.3	0.5	2.3	2.1	28.6
1978	4.2	3.7	0.8	1.0	4.2	5.3	3.7	1.5	0.3	0.8	1.1	1.3	28.0
1979	4.3	3.7	0.9	1.0	4.8	5.3	4.5	1.3	0.2	0.5	1.6	1.8	29.8
1980	4.3	3.7	0.7	0.9	3.9	5.2	4.6	1.5	0.2	0.7	1.8	3.1	30.6
1981	4.0	3.7	0.8	0.9	4.3	5.2	4.1	1.1	0.2	0.8	3.0	3.2	31.3
1982	4.3	3.7	0.8	1.0	4.1	5.2	4.6	1.5	0.4	0.6	2.5	2.4	31.2
1983	4.3	3.7	0.9	1.2	2.7	5.3	4.5	1.4	0.3	0.8	3.4	0.1	28.6
1984	0.1	0.1	0.6	1.0	4.8	5.3	4.2	1.5	0.1	0.9	1.8	3.5	23.9
1985	2.9	3.2	0.7	1.1	3.3	5.3	4.5	1.2	0.2	1.0	1.1	2.2	26.8
1986	2.0	3.7	0.6	1.0	3.8	5.3	4.6	1.4	0.4	0.7	3.3	2.9	29.7
MEAN	3.3	3.3	0.7	0.9	4.1	5.2	4.3	1.3	0.3	0.7	2.3	1.9	28.5

Table F.3.16 (24/26) IRRIGATION WATER DEMAND AT TISSAWEWA (IH)
(Present Condition, Irrigation Area : 400 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	0.9	1.3	0.3	0.3	1.5	1.9	1.6	0.4	0.1	0.2	0.8	0.6	10.1
1950	1.5	1.1	0.3	0.4	1.6	1.9	1.7	0.5	0.1	0.3	0.9	0.7	11.1
1951	0.4	1.1	0.3	0.3	1.2	1.9	1.6	0.5	0.0	0.3	0.5	1.3	9.4
1952	0.8	1.3	0.3	0.3	1.8	1.9	1.5	0.5	0.1	0.3	1.2	1.0	11.0
1953	1.3	1.3	0.3	0.2	1.8	1.9	1.2	0.5	0.1	0.2	1.2	0.6	10.5
1954	0.9	1.3	0.1	0.2	1.6	1.9	1.5	0.4	0.1	0.3	1.2	0.0	9.7
1955	1.0	1.3	0.2	0.2	1.4	1.9	1.5	0.3	0.0	0.3	1.1	1.3	10.5
1956	1.4	1.3	0.3	0.4	1.8	1.8	1.7	0.5	0.1	0.3	0.8	0.9	11.4
1957	1.4	1.1	0.3	0.3	1.0	1.9	1.6	0.5	0.1	0.2	0.4	0.0	9.0
1958	1.4	1.3	0.2	0.4	1.4	1.9	1.7	0.5	0.1	0.3	1.0	1.2	11.2
1959	1.1	1.3	0.3	0.2	1.0	1.7	1.7	0.5	0.1	0.3	0.4	0.6	9.1
1960	1.3	0.8	0.3	0.4	1.6	1.9	1.0	0.5	0.1	0.3	0.5	1.2	9.9
1961	0.2	1.0	0.3	0.4	1.6	1.7	1.6	0.5	0.1	0.2	0.9	0.5	9.1
1962	0.6	1.2	0.3	0.3	1.0	1.9	1.7	0.5	0.1	0.2	1.2	0.6	9.7
1963	0.1	1.0	0.2	0.3	1.5	1.9	1.5	0.5	0.1	0.3	0.4	0.0	7.9
1964	1.5	1.2	0.2	0.4	1.7	1.9	1.4	0.5	0.1	0.2	1.0	0.9	11.0
1965	1.5	1.1	0.3	0.3	1.4	1.9	1.7	0.2	0.1	0.2	0.4	0.1	9.2
1966	1.1	1.3	0.3	0.3	1.8	1.9	1.7	0.4	0.1	0.3	0.8	0.8	10.7
1967	1.6	1.1	0.3	0.4	1.6	1.9	1.7	0.5	0.1	0.2	1.0	0.4	10.8
1968	1.5	1.3	0.3	0.3	1.8	1.9	1.7	0.5	0.1	0.3	1.0	1.1	11.8
1969	1.5	1.3	0.3	0.3	1.7	1.9	1.7	0.4	0.1	0.2	1.1	0.0	10.6
1970	1.4	1.1	0.3	0.4	1.4	1.9	1.7	0.4	0.1	0.2	0.4	0.7	10.0
1971	0.7	1.0	0.3	0.3	1.7	1.9	1.7	0.3	0.1	0.3	1.2	0.0	9.5
1972	1.6	1.4	0.3	0.4	1.1	1.9	1.6	0.5	0.1	0.2	1.0	0.8	10.9
1973	1.6	1.3	0.3	0.4	1.7	1.9	1.3	0.5	0.1	0.3	1.2	0.1	10.6
1974	1.6	1.2	0.3	0.3	1.6	1.9	1.7	0.5	0.1	0.4	1.4	0.5	11.4
1975	1.4	1.3	0.3	0.4	1.2	1.9	1.6	0.5	0.1	0.3	0.8	1.2	11.1
1976	1.6	1.4	0.2	0.4	1.8	1.9	1.7	0.5	0.1	0.2	0.4	1.1	11.2
1977	1.6	1.2	0.3	0.4	0.9	1.9	1.6	0.5	0.1	0.2	0.8	0.8	10.4
1978	1.5	1.3	0.3	0.4	1.5	1.9	1.4	0.5	0.1	0.3	0.4	0.5	10.2
1979	1.6	1.3	0.3	0.3	1.7	1.9	1.6	0.5	0.1	0.2	0.6	0.7	10.8
1980	1.6	1.4	0.2	0.3	1.4	1.9	1.7	0.5	0.1	0.3	0.6	1.1	11.1
1981	1.5	1.3	0.3	0.3	1.6	1.9	1.5	0.4	0.1	0.3	1.1	1.2	11.4
1982	1.6	1.4	0.3	0.4	1.5	1.9	1.7	0.5	0.1	0.2	0.9	0.9	11.3
1983	1.6	1.4	0.3	0.4	1.0	1.9	1.7	0.5	0.1	0.3	1.2	0.0	10.4
1984	0.0	0.0	0.2	0.4	1.8	1.9	1.5	0.5	0.0	0.3	0.6	1.3	8.7
1985	1.0	1.2	0.3	0.4	1.2	1.9	1.7	0.4	0.1	0.4	0.4	0.8	9.7
1986	0.7	1.3	0.2	0.4	1.4	1.9	1.7	0.5	0.1	0.3	1.2	1.1	10.8
MEAN	1.2	1.2	0.3	0.3	1.5	1.9	1.6	0.5	0.1	0.3	0.8	0.7	10.4

Table F.3.16 (25/26) IRRIGATION WATER DEMAND AT BASSAWAKKULAMU (IH)
(Present Condition, Irrigation Area : 370 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	0.9	1.2	0.2	0.3	1.4	1.8	1.4	0.4	0.1	0.2	0.7	0.6	9.3
1950	1.4	1.1	0.2	0.4	1.5	1.8	1.6	0.5	0.1	0.3	0.8	0.7	10.3
1951	0.3	1.0	0.3	0.3	1.1	1.8	1.5	0.5	0.0	0.3	0.4	1.2	8.7
1952	0.7	1.2	0.3	0.3	1.6	1.8	1.4	0.5	0.1	0.3	1.1	0.9	10.2
1953	1.2	1.2	0.3	0.2	1.7	1.8	1.1	0.5	0.1	0.2	1.1	0.5	9.7
1954	0.9	1.2	0.1	0.2	1.5	1.8	1.4	0.4	0.1	0.2	1.1	0.0	9.0
1955	0.9	1.2	0.2	0.2	1.3	1.8	1.4	0.3	0.0	0.3	1.0	1.2	9.7
1956	1.3	1.2	0.3	0.4	1.6	1.6	1.5	0.5	0.1	0.3	0.8	0.8	10.5
1957	1.3	1.0	0.3	0.3	0.9	1.8	1.5	0.5	0.1	0.2	0.4	0.0	8.3
1958	1.3	1.2	0.2	0.3	1.3	1.8	1.5	0.4	0.1	0.3	0.9	1.1	10.4
1959	1.0	1.2	0.3	0.2	0.9	1.5	1.5	0.5	0.1	0.3	0.4	0.5	8.5
1960	1.2	0.8	0.3	0.3	1.5	1.8	0.9	0.5	0.1	0.3	0.5	1.1	9.2
1961	0.2	0.9	0.3	0.3	1.4	1.6	1.5	0.5	0.1	0.2	0.8	0.5	8.4
1962	0.6	1.1	0.3	0.3	0.9	1.8	1.5	0.5	0.1	0.2	1.1	0.6	8.9
1963	0.0	0.9	0.2	0.3	1.4	1.8	1.4	0.5	0.1	0.3	0.4	0.0	7.3
1964	1.4	1.1	0.2	0.3	1.5	1.8	1.3	0.5	0.1	0.2	0.9	0.8	10.1
1965	1.4	1.0	0.3	0.3	1.3	1.8	1.5	0.2	0.1	0.2	0.4	0.1	8.5
1966	1.0	1.2	0.3	0.3	1.6	1.8	1.5	0.4	0.1	0.2	0.7	0.7	9.9
1967	1.5	1.0	0.2	0.4	1.5	1.8	1.5	0.5	0.1	0.2	0.9	0.3	10.0
1968	1.4	1.2	0.3	0.3	1.6	1.8	1.5	0.5	0.1	0.2	1.0	1.0	10.9
1969	1.4	1.2	0.3	0.3	1.6	1.8	1.5	0.4	0.1	0.2	1.0	0.0	9.8
1970	1.3	1.0	0.2	0.3	1.3	1.8	1.5	0.4	0.1	0.2	0.4	0.7	9.3
1971	0.7	1.0	0.3	0.3	1.6	1.8	1.5	0.2	0.1	0.2	1.1	0.0	8.8
1972	1.5	1.2	0.3	0.3	1.0	1.8	1.5	0.5	0.1	0.2	1.0	0.8	10.1
1973	1.5	1.2	0.3	0.4	1.5	1.8	1.2	0.4	0.1	0.3	1.1	0.1	9.8
1974	1.5	1.1	0.3	0.2	1.5	1.8	1.5	0.5	0.1	0.3	1.3	0.4	10.6
1975	1.3	1.2	0.2	0.3	1.1	1.8	1.4	0.5	0.1	0.3	0.8	1.1	10.2
1976	1.5	1.2	0.2	0.3	1.7	1.8	1.5	0.5	0.1	0.2	0.4	1.0	10.3
1977	1.5	1.1	0.3	0.3	0.8	1.8	1.5	0.5	0.1	0.2	0.8	0.7	9.6
1978	1.4	1.2	0.3	0.3	1.4	1.8	1.3	0.5	0.1	0.3	0.4	0.4	9.4
1979	1.4	1.2	0.3	0.3	1.6	1.8	1.5	0.4	0.1	0.2	0.5	0.6	10.0
1980	1.5	1.2	0.2	0.3	1.3	1.8	1.5	0.5	0.1	0.2	0.6	1.1	10.3
1981	1.3	1.2	0.3	0.3	1.4	1.8	1.4	0.4	0.1	0.3	1.0	1.1	10.5
1982	1.5	1.2	0.3	0.3	1.4	1.8	1.6	0.5	0.1	0.2	0.8	0.8	10.5
1983	1.5	1.2	0.3	0.4	0.9	1.8	1.5	0.5	0.1	0.3	1.1	0.0	9.6
1984	0.0	0.0	0.2	0.3	1.6	1.8	1.4	0.5	0.0	0.3	0.6	1.2	8.0
1985	1.0	1.1	0.2	0.4	1.1	1.8	1.5	0.4	0.1	0.3	0.4	0.7	9.0
1986	0.7	1.2	0.2	0.3	1.3	1.8	1.5	0.5	0.1	0.2	1.1	1.0	10.0
MEAN	1.1	1.1	0.3	0.3	1.4	1.8	1.5	0.4	0.1	0.2	0.8	0.6	9.6

Table F.3.16 (26/26) IRRIGATION WATER DEMAND AT HURULUWEWA (MH)
(Present Condition, Irrigation Area : 4,300 Ha)
Unit: MCM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1949	11.8	15.4	3.2	4.3	18.2	22.0	18.0	5.1	1.7	3.2	10.8	8.5	122.2
1950	17.6	13.6	3.0	5.4	19.3	21.7	19.4	6.2	1.4	4.2	12.0	9.5	133.4
1951	5.5	13.2	3.4	4.2	14.9	22.0	18.7	6.1	0.0	3.7	7.7	15.3	114.7
1952	9.8	15.5	3.3	4.0	21.0	22.0	17.7	6.5	1.2	3.8	15.5	12.8	133.0
1953	16.0	15.1	3.4	2.9	21.2	22.0	13.9	6.2	1.3	2.7	14.9	8.0	127.5
1954	11.7	15.9	1.4	3.4	18.8	22.0	17.6	5.1	1.7	3.6	15.2	1.5	118.0
1955	11.9	15.6	2.8	2.9	16.8	22.0	17.8	3.6	0.4	4.0	13.8	15.3	126.8
1956	16.6	15.6	3.5	5.1	21.1	20.3	19.2	6.3	1.7	4.3	11.5	11.5	136.7
1957	17.1	13.1	3.8	4.3	12.4	21.7	18.5	6.5	1.4	2.8	6.8	1.5	109.9
1958	16.5	15.4	2.5	4.5	17.0	21.9	19.4	5.4	1.7	3.8	12.8	14.2	135.1
1959	13.0	15.8	3.6	3.3	12.9	19.0	19.2	6.5	1.0	3.6	6.8	7.9	112.6
1960	15.7	10.3	3.7	4.5	19.1	21.9	11.8	6.3	1.6	3.6	7.8	14.7	121.0
1961	3.8	11.9	3.6	4.5	18.8	19.4	19.0	6.4	1.6	3.3	12.2	7.3	111.8
1962	8.1	14.6	3.5	4.2	12.4	21.9	19.3	6.3	1.2	2.7	15.7	8.5	118.3
1963	2.1	12.3	2.7	4.1	18.6	21.8	17.2	6.2	1.3	4.0	6.8	1.5	98.7
1964	17.5	14.6	2.5	4.7	19.9	22.0	16.7	6.3	0.9	3.0	12.9	11.0	132.1
1965	17.9	13.1	3.4	3.9	16.9	22.0	19.4	2.4	1.6	2.7	6.8	2.7	112.8
1966	13.5	15.9	3.5	3.8	21.0	22.0	19.2	4.8	1.1	3.4	10.8	9.9	128.9
1967	18.5	13.5	3.2	5.4	18.9	21.9	19.4	6.4	1.5	3.2	13.4	5.6	130.9
1968	17.7	15.9	3.5	4.4	21.0	21.8	19.3	6.5	1.1	3.5	13.6	13.2	141.5
1969	17.7	14.9	3.6	4.4	20.6	22.0	19.4	4.8	1.5	2.7	14.5	1.5	127.4
1970	16.5	13.0	3.1	4.7	16.7	21.9	19.3	5.1	1.4	3.3	7.1	9.8	122.0
1971	9.4	12.5	3.7	3.8	20.0	21.9	19.4	3.2	1.1	3.4	15.2	1.5	115.1
1972	18.5	15.9	3.8	4.5	14.1	21.7	18.9	6.5	1.2	2.7	13.7	10.6	131.9
1973	18.6	15.9	3.3	5.1	19.9	21.9	14.9	5.4	1.2	4.2	14.9	2.1	127.3
1974	18.5	14.3	3.6	3.5	19.2	21.9	19.3	6.3	1.4	4.5	17.4	7.0	137.1
1975	17.0	15.9	3.0	4.6	14.6	21.7	18.1	6.3	1.2	4.0	11.5	15.1	133.0
1976	18.5	15.9	2.2	4.5	21.2	22.0	19.4	6.4	1.6	2.7	6.8	13.4	134.6
1977	18.5	14.5	3.7	4.6	11.8	21.9	19.1	6.3	1.4	2.7	11.4	10.2	126.1
1978	18.2	15.9	3.2	4.7	18.3	22.0	15.8	6.5	1.5	3.8	6.8	6.9	123.6
1979	18.5	15.8	3.7	4.4	20.7	22.0	19.1	5.6	0.7	2.7	8.6	9.0	130.8
1980	18.6	15.9	2.8	4.1	17.2	21.6	19.4	6.5	1.0	3.6	9.4	14.0	134.0
1981	17.3	15.8	3.4	4.4	18.6	21.7	17.1	4.8	0.7	3.9	14.2	14.3	136.2
1982	18.6	15.9	3.4	4.7	18.1	21.7	19.4	6.5	1.6	2.9	12.3	11.2	136.2
1983	18.5	15.9	3.8	5.3	12.7	21.8	19.1	5.9	1.3	3.9	15.6	1.5	125.4
1984	1.8	1.8	2.8	4.5	20.9	22.0	17.5	6.5	0.3	4.2	9.4	15.5	107.2
1985	12.9	13.9	3.1	5.2	14.8	21.8	19.1	5.3	0.8	4.6	7.0	10.4	118.8
1986	9.3	15.8	2.5	4.6	16.9	22.0	19.2	6.3	1.6	3.4	15.4	13.3	130.4
MEAN	14.5	14.4	3.2	4.4	17.8	21.7	18.3	5.8	1.2	3.5	11.6	9.2	125.3