

(UNIT: GWH)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
LOP BURI 1 & 2	41.11	53.33	64.63	72.06	74.52	79.29	91.42	91.89	102.11	114.12	125.71	9.7
MANOROM	17.73	21.98	27.09	28.02	32.86	41.56	46.14	51.99	61.50	66.88	77.39	13.2
NAKHON SAWAN	47.74	53.63	68.17	81.24	88.76	93.93	99.03	106.31	123.21	136.53	151.71	10.1
PHETCHA BUN			14.17	22.73	28.20	33.76	39.84	44.64	54.62	59.83	61.72	12.8
SING BURI	13.09	18.04	22.12	27.57	32.85	35.08	40.57	48.63	54.76	54.72	59.45	11.1
TAKHLI 2	14.06	14.89	16.56	18.15	20.19	20.89	21.90	23.59	24.94	27.00	28.31	6.3
LONSAK												
CHAI BADAN												
TOTAL	133.72	161.87	212.74	249.76	277.37	304.51	338.91	367.05	421.15	459.08	504.29	10.6

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
LOP BURI 1 & 2	138.70	150.63	144.92	153.53	162.55	171.66	180.81	189.90	198.96	207.94	216.92	5.2
MANOROM	80.34	93.50	100.74	108.11	115.77	123.46	131.15	138.74	146.21	153.53	160.84	7.1
NAKHON SAWAN	165.06	182.29	195.89	209.92	224.69	239.69	254.80	269.83	284.73	299.39	313.82	7.0
PHETCHA BUN	73.16	81.78	47.96	51.83	56.09	60.37	64.63	68.83	72.95	76.97	80.99	2.2
SING BURI	61.64	66.93	71.33	76.65	82.14	87.66	93.17	98.60	103.96	109.23	114.46	6.3
TAKHLI 2	29.87	31.94	33.70	35.47	37.32	39.15	40.97	42.73	44.45	46.12	47.79	5.0
LONSAK			28.20	30.88	33.85	36.89	39.98	43.06	46.15	49.21	52.26	8.3
CHAI BADAN			28.96	31.72	34.78	37.91	41.08	44.26	47.45	50.63	53.81	8.3
TOTAL	548.76	607.07	651.69	698.11	747.19	796.79	846.59	895.96	944.86	993.02	1041.11	7.0

(UNIT: GWh)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
CHUM PHAE	4.64	11.08	18.53	23.85	27.44	33.60	39.02	26.71	30.12	38.32	43.47	5.3
KHON KAEN 1	46.20	54.48	65.12	83.50	87.54	92.40	107.51	118.72	129.71	143.35	155.95	11.0
LOEI	11.99	10.16	11.56	12.73	13.17	14.62	15.20	16.79	20.24	21.76	22.70	19.2
NAKON PHANOM	0.18	0.20	0.35	0.47	0.60	0.64	0.76	0.93	1.27	1.62	2.06	26.5
NAM PHONG	11.94	14.06	15.36	20.08	23.14	24.90	29.66	33.39	39.49	44.02	47.24	13.7
NONG KHAI	13.41	18.55	18.95	23.44	25.12	28.02	35.24	18.61	22.65	28.45	29.48	5.8
PHANG KHON	2.24	2.69	3.19	4.17	5.04	4.72	5.79	26.54	29.64	32.73	37.13	19.9
SAKON NAKHON	70.52	75.01	81.50	88.13	99.16	109.08	129.48	139.56	147.92	163.30	178.31	10.3
THAT PHANOM	0.45	0.62	0.78	1.05	1.26	1.42	1.69	1.91	2.22	0.87	0.11	29.8
UDON THANI 1 & 2												(11.7)
BUNG KAN												
CHULA BHOEN P/S												
NA KAE												
TOTAL	161.57	186.84	215.34	257.40	282.48	309.43	365.10	438.91	502.62	561.78	509.44	14.5

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHUM PHAE	47.37	53.95	60.31	66.94	73.92	81.09	88.40	95.76	103.15	110.52		9.8
KHON KAEN 1	165.86	181.57	196.11	210.97	226.43	242.04	257.67	273.13	288.39	303.38		5.9
LOEI	44.31	49.03	53.62	58.50	63.75	69.25	75.00	80.93	87.04	93.31		8.3
NAKON PHANOM	24.44	26.88	29.20	31.60	34.14	36.74	39.39	42.03	44.67	47.28		7.6
NAM PHONG	46.39	49.13	51.58	54.14	56.91	59.76	62.65	65.56	68.48	71.38		6.2
NAM PHUNG	2.38	2.80	3.25	3.74	4.26	4.82	5.41	6.02	6.67	7.36		13.6
NONG KHAI	52.56	49.26	52.84	56.37	60.04	63.72	67.38	70.98	74.52	77.99		5.1
PHANG KHON	32.74	33.36	37.06	40.65	44.12	47.32	50.18	52.65	54.71	56.35		6.7
SAKON NAKHON	39.12	42.77	46.13	49.55	53.11	56.68	60.24	63.74	67.17	70.52		6.6
THAT PHANOM	12.49	13.87	15.17	16.49	17.86	19.25	20.64	22.01	23.37	24.69		7.8
UDON THANI 1 & 2	186.97	204.56	220.79	237.24	254.17	270.96	287.38	303.12	318.04	331.95		6.4
BUNG KAN	13.76	15.76	17.95	19.95	20.31	22.85	25.55	28.38	31.33	34.37		12.1
CHULA BHOEN P/S	0.13	0.14	0.15	0.17	0.18	0.20	0.21	0.23	0.25	0.27		9.1
NA KAE												
TOTAL	654.75	721.05	781.96	844.30	909.21	974.66	1,040.09	1,104.54	1,167.79	1,229.36		7.3

(UNIT: GWh)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
KALASIN	20.02	27.86	36.67	49.40	53.83	60.62	75.46	75.35	27.12	50.23	63.71	4.2
MAHA SARAKHAM	2.93	3.31	3.67	4.31	6.23	8.35	9.83	12.52	15.10	16.77	18.80	17.6
MUKDAHAN												
ROIET	0.09	0.62	0.68	1.27	1.91	4.61	5.51	6.48	7.23	7.71	7.32	9.7
SIRINDHON	0.93	1.55	2.37	3.16	4.20	5.60	2.41	28.52	38.08	47.51	56.53	120.1
SISAKET	40.95	47.07	57.23	68.61	76.07	82.74	93.42	17.68	13.89	15.38	17.17	25.1
UBON RATCHATHANI 1	6.24	8.43	12.45	15.64	18.20	22.11	29.54	76.12	91.82	101.55	110.44	5.9
YASOTHON								36.49	43.25	50.68	57.60	21.1
TOTAL	71.16	88.84	113.07	142.40	160.44	184.02	225.36	253.16	307.91	359.73	406.18	17.2

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
KALASIN	58.07	52.12	57.65	63.74	70.16	76.78	83.53	90.34	97.19	104.03	104.03	5.0
MAHA SARAKHAM	61.63	57.67	64.55	71.82	79.49	87.56	96.55	106.04	116.02	126.49	126.49	5.4
MUKDAHAN	20.94	23.87	26.32	28.88	31.58	34.35	37.17	40.00	42.84	45.66	45.66	9.3
ROIET	33.87	70.09	77.95	86.12	94.72	103.52	112.48	121.48	130.49	139.46	139.46	17.0
SIRINDHON	10.42	11.06	11.74	12.46	13.21	13.99	14.81	15.66	16.55	17.47	17.47	9.1
SISAKET	60.28	67.56	74.46	81.50	88.79	96.11	104.63	113.19	121.79	130.36	130.36	8.7
SOMDET	20.00	22.83	25.85	29.06	32.46	36.07	39.87	43.88	48.09	52.51	52.51	11.8
UBON RATCHATHANI 1	116.55	127.40	137.61	148.26	159.56	171.20	183.10	195.13	207.27	219.45	219.45	7.1
YASOTHON	57.89	60.27	67.29	74.55	82.14	89.89	97.71	105.53	113.30	121.56	121.56	7.8
TOTAL	439.66	492.86	543.42	596.38	652.11	709.46	769.85	831.26	893.53	957.08	957.08	8.9

(UNIT: GWh)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
BURI RAM							7.45	30.56	43.21	52.59	61.26	26.1
CHAIYA PHUM			141.59	164.25	181.97	204.34	234.78	27.87	32.74	39.84	48.54	59.8
NAKHON RATCHASIMA 1 & 2	110.53	128.43						224.68	255.06	287.12	323.16	9.6
PAK CHONG	28.14	34.30	47.72	51.86	65.28	74.35	76.71	53.25	54.70	59.03	61.57	(3.7)
PHON	14.43	21.12	27.34	35.15	39.29	44.77	48.70	37.43	45.11	50.97	49.69	2.1
SIKHIU			34.24	43.37	51.40	59.93	65.49	50.41	64.14	74.54	73.95	13.6
SURIN	19.40	25.81						48.32	48.82	58.90	64.52	1.5
TOTAL	172.50	209.65	250.90	294.62	337.93	383.39	433.13	472.52	543.77	622.98	682.69	12.2

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
BURI RAM	68.17	77.14	85.82	94.86	104.38	114.13	124.67	134.07	144.10	154.11		9.7
CHAIYA PHUM	53.43	59.18	64.43	69.82	75.46	81.19	86.98	92.76	98.53	104.27		7.9
NAKHON RATCHASIMA 1 & 2	340.72	370.26	394.70	419.46	445.18	470.72	495.96	520.33	543.91	566.08		5.8
PAK CHONG	66.13	72.36	77.98	83.49	88.98	94.17	99.17	104.08	108.94	113.75		6.3
PHON	45.12	48.68	51.75	54.75	57.78	60.76	63.67	66.44	69.08	71.56		3.7
SIKHIU	76.54	81.83	86.48	91.18	96.03	100.78	105.39	109.73	113.78	117.71		4.8
SURIN	69.33	77.05	84.07	91.11	98.44	105.81	113.23	120.57	127.78	134.78		7.6
TOTAL	719.44	786.49	845.23	904.67	966.24	1,027.58	1,088.46	1,147.97	1,206.11	1,262.25		6.3

(UNIT: GWh)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
ANG THONG 1	9.94	12.69	37.72	48.08	56.71	63.00	61.46	60.88	49.54	33.78	32.26	(12.5)
ANG THONG 2								0.67	30.65	44.84	52.93	
AYUTTHATA 1	24.30	29.43	36.33	45.35	50.06	50.18	48.43	48.03	76.21	90.95	113.90	17.8
BAN MAI									152.97	253.82	626.76	
BANG PA IN	25.68	38.66	53.40	62.06	64.79	71.07	68.54	70.00	80.58	93.23	97.23	6.5
PRACHIN BURI	16.67	21.42	30.19	39.25	40.96	56.82	72.80	82.25	95.91	107.82	122.47	16.6
SARABURI 1	44.14	63.38	70.42	77.78	77.30	75.93	68.17	90.53	99.83	101.20	100.97	5.9
SARABURI 2	70.94	71.33	81.10	85.43	86.00	95.18	148.59	211.88	229.27	271.33	313.63	26.9
SARABURI 3	68.87	109.94	141.94	146.62	138.95	136.44	137.67	132.32	139.98	141.23	119.46	(2.6)
SARABURI 4				5.36	22.21	39.51	54.13	66.73	66.96	74.00	87.33	17.2
THALAN	3.70	4.61	6.57	8.99	11.30	24.14	44.25	59.46	54.13	65.81	89.24	29.9
WATTHANA NAKHON	21.28	19.22	17.78	21.96	23.22	30.52	35.16	41.60	35.90	14.20	6.00	(27.8)
MEA												
TOTAL	385.52	370.68	475.45	540.88	571.50	642.79	739.20	864.34	1,111.93	1,292.20	1,762.19	22.3

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
ANG THONG 1	33.93	35.63	37.41	39.28	41.24	43.30	45.47	47.74	50.13	52.64		5.0
ANG THONG 2	54.08	59.96	65.55	71.30	77.29	83.32	89.31	95.16	100.80	106.17		7.2
AYUTTHATA 1	120.10	132.76	144.95	157.77	171.46	185.60	200.08	214.66	229.26	243.71		7.9
BAN MAI	902.16	984.52	1,044.26	1,107.95	1,175.33	1,246.09	1,319.77	1,399.24	1,484.64	1,576.55		9.7
BANG PA IN	100.71	108.03	114.66	121.53	128.81	136.33	144.04	151.88	159.82	167.84		5.6
PRACHIN BURI	140.25	162.18	128.56	135.19	142.04	148.82	156.36	163.74	170.96	177.98		3.8
SARABURI 1	116.33	124.93	132.45	140.12	148.16	156.24	164.33	172.31	180.17	187.89		6.4
SARABURI 2	335.84	339.90	581.86	586.53	591.59	597.03	602.85	609.05	615.61	622.53		7.1
SARABURI 3	113.91	258.10	428.10	469.60	469.60	469.60	469.60	469.60	469.60	469.60		14.7
SARABURI 4	95.16	103.57	111.41	119.52	128.08	136.84	145.73	154.65	163.60	172.53		7.0
THALAN	98.27	106.28	113.69	121.39	129.57	138.00	146.65	155.41	164.28	173.21		6.9
WATTHANA NAKHON			53.17	58.28	63.55	68.84	74.54	80.20	85.80	91.30		8.0
MEA												
TOTAL	2,110.74	2,415.86	2,956.06	3,128.46	3,266.71	3,410.00	3,558.71	3,713.61	3,874.66	4,041.93		8.7

(UNIT: GWh)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)					
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985				
AO PHAI																
BAN BUNG																
BANG LAMUNG	37.64	50.73	58.12	70.60	78.77	89.29	16.81	48.23	48.46	0.20	4.86					
CHON BURI	83.48	105.16	136.18	151.09	173.19	175.56	98.24	109.97	128.38	52.94	56.49					11.9
CHACHOENG SAO	36.21	38.26	36.02	50.64	59.68	77.95	177.33	169.09	195.65	218.48	225.37					5.1
CHANTHABURI				34.40	65.30	84.35	103.26	114.43	132.77	144.54	163.23					24.9
KLAENG																
RAYONG 1	31.95	44.38	61.51	79.02	72.15	79.62	90.27	93.43	155.26	193.56	197.76					20.0
RAYONG 2																
RAYONG 3	25.55	29.96	37.03	43.18	46.57	51.00	57.39	57.70	73.23	3.53	27.25					
SRIRACHA																
TRAT																
SATTAPH 2	6.96	9.77	10.48	13.97	9.58	13.77	17.67	19.41	17.01	2.27	42.27					11.2
TOTAL	221.79	278.24	339.34	442.89	505.24	571.53	650.16	712.38	863.11	979.52	1,113.03					14.3

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)					
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995						
AO PHAI																
BAN BUNG																
BANG LAMUNG	166.01	182.24	195.08	207.98	221.25	234.43	247.44	260.09	272.39	284.25	284.25					
CHON BURI	230.09	255.39	278.70	302.95	328.54	354.75	381.39	408.08	434.72	461.10	461.10					
CHACHOENG SAO	162.20	177.81	192.46	207.72	223.88	240.47	257.34	274.26	291.17	307.92	307.92					
CHANTHABURI	177.19	144.51	158.39	172.25	186.77	201.52	216.34	230.98	245.32	259.21	259.21					
KLAENG																
RAYONG 1	19.34	42.90	47.01	51.35	56.04	60.97	66.12	71.46	77.01	82.72	82.72					
RAYONG 2	225.21	276.38	299.23	323.56	349.84	378.20	408.78	441.70	477.15	515.30	515.30					
RAYONG 3	34.71	40.43	46.20	52.30	58.73	65.26	71.78	78.10	84.07	89.53	89.53					
SRIRACHA	47.10	47.10	70.80	465.00	473.80	500.20	500.20	500.20	500.20	500.20	500.20					
TRAT	95.98	104.04	111.31	118.88	126.93	135.20	143.72	152.37	161.18	170.11	170.11					
SATTAPH 2		53.96	59.61	65.21	70.93	76.56	82.13	87.55	92.74	97.63	97.63					
TOTAL	1,218.52	1,405.87	1,565.01	2,098.79	2,234.31	2,391.41	2,525.56	2,661.74	2,799.69	2,938.61	2,938.61					10.2

(UNIT: GWh)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
BAN PONG 1	47.34	54.86	85.44	100.56	107.19	98.69	104.54	109.65	130.90	178.12	195.50	14.7
BAN PONG 2	106.36	117.07	125.02	136.36	155.53	167.55	177.02	175.27	208.73	228.40	235.09	7.0
KANCHANA BURI	26.62	28.53	31.23	45.60	52.94	52.22	58.84	58.99	75.64	63.62	72.09	6.7
KAMPHAENG SAEN												
NAKHON CHAISRI	102.92	118.89	143.74	165.41	196.91	229.87	247.81	254.12	246.02	270.48	282.27	4.2
SAM PHRAN 1	69.78	93.53	100.03	102.24	136.40	157.18	188.58	197.85	236.73	239.92	299.84	13.8
SAMUTSAKHON 1 & 2	93.03	155.36	169.47	195.62	251.35	237.25	225.83	249.80	276.27	282.26	281.01	3.4
SUPHAN BURI	18.02	23.34	26.71	28.12	43.90	50.39	52.92	60.46	62.00	81.23	89.11	12.1
THAMUANG		16.64	27.49	34.15	28.42	29.30	27.00	30.08	38.55	41.10	45.68	9.3
SRINAGARIND				0.04	0.08	0.16	0.26	0.29	0.38	0.61	0.73	35.0
KHAO LAEM								0.15	0.50	0.77	3.93	
TOTAL	464.06	608.22	709.13	808.09	972.73	1,022.61	1,082.78	1,136.66	1,275.71	1,386.51	1,505.24	8.0

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
BAN PONG 1	210.99	195.77	212.15	228.62	245.59	262.48	279.10	295.35	311.16	326.39		5.3
BAN PONG 2	237.03	255.20	271.55	288.57	306.74	325.40	344.45	363.64	382.94	402.23		5.5
KANCHANA BURI	125.66	140.59	153.01	165.89	179.42	193.18	207.03	220.73	234.18	247.24		7.7
KAMPHAENG SAEN	33.44	75.01	82.71	90.57	98.63	107.03	115.51	124.05	132.64	141.22		17.4
NAKHON CHAISRI												
SAM PHRAN 1	620.48	680.72	738.58	800.17	866.96	937.43	1,011.46	1,088.50	1,168.72	1,251.94		8.0
SAMUTSAKHON 1	273.85	299.50	323.89	349.49	377.15	406.19	436.51	467.86	500.25	533.58		6.6
SAMUTSAKHON 2												
SUPHAN BURI	99.97	113.53	126.27	138.77	151.45	163.81	176.24	188.52	200.56	212.21		9.1
THAMUANG												
SRINAGARIND	0.89	1.02	1.16	1.32	1.48	1.65	1.83	2.01	2.20	2.38		12.6
KHAO LAEM	13.95	15.12	15.32	15.52	15.73	15.94	16.16	16.39	16.63	16.86		15.7
TOTAL	1,616.25	1,776.46	1,924.63	2,078.91	2,243.15	2,413.12	2,588.29	2,767.05	2,949.28	3,134.04		7.6

(UNIT: GWh)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
CHA AM	79.63	85.68	92.91	80.15	85.39	80.67	85.44	87.99	102.39	100.23	110.08	6.4
CHUM PHON	23.98	29.75	36.32	35.43	39.12	41.30	28.31	51.48	61.17	68.11	76.88	28.4
PHETCHABURI							42.14	48.46	52.48	58.53	64.16	9.2
PRACHOAPKHIRI KHAN							15.50	26.86	31.80	35.81	41.03	27.5
PRAN BURI	22.84	32.66	41.54	26.44	39.79	48.91	42.87	35.91	39.49	41.53	47.18	( 0.7)
RANONG	53.15	59.14	60.99	51.39	54.61	56.08	58.94	59.94	59.77	60.04	60.16	1.4
RATCHABURI 1				57.63	94.08	70.70	66.84	73.61	67.90	68.12	55.02	( 4.9)
RATCHABURI 2												
SAMUTSONGKHAM			15.08	23.53	29.78	30.56	32.59	45.53	64.06	72.86	86.26	23.1
TOTAL	179.60	207.22	246.84	274.56	342.76	328.22	372.62	429.77	479.06	511.58	567.38	11.6

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHA AM	120.22	130.80	200.46	211.41	223.06	235.44	248.57	262.47	277.18	292.72	292.72	10.3
CHUM PHON	81.46	91.26	100.25	109.72	119.84	130.32	141.09	152.11	163.33	174.67	174.67	8.6
PHETCHABURI	68.44	75.35	81.88	88.69	95.94	103.52	111.39	119.47	127.77	136.25	136.25	7.8
PRACHOAPKHIRI KHAN	45.98	52.15	57.88	63.80	69.93	76.22	82.58	88.92	95.17	101.23	101.23	9.5
PRAN BURI	51.12	57.83	62.57	68.27	74.23	80.74	87.46	94.55	101.76	109.04	109.04	8.7
RANONG	63.29	68.02	72.19	76.34	80.52	84.52	88.46	92.28	95.97	99.49	99.49	5.2
RATCHABURI 1	56.99	64.24	70.92	77.69	84.57	91.59	98.67	105.69	112.59	119.29	119.29	8.0
RATCHABURI 2	28.50	32.26	36.23	40.30	44.70	49.19	53.75	58.27	62.68	66.91	66.91	9.7
SAMUTSONGKHAM	80.11	89.72	99.16	109.16	119.85	130.97	142.44	154.09	165.87	177.65	177.65	7.5
TOTAL	596.09	661.62	781.55	845.37	912.63	982.50	1,054.40	1,127.85	1,202.32	1,277.24	1,277.24	8.5



(UNIT: GMT)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
CHIEW LAN	2.53	3.25	4.26	4.99	6.70	9.69	12.20	14.42	16.50	0.29	2.38	19.7
KRABI	25.87	28.72	33.27	42.42	53.17	58.77	60.56	63.98	73.42	20.51	23.82	7.8
KHANOM	17.68	22.42	31.48	38.73	41.63	47.20	56.48	69.76	81.53	10.28	16.98	17.7
NAKHON SI THAMMARAT	11.75	7.50	8.79	8.64	10.71	12.20	14.49	14.88	16.25	79.06	85.73	9.9
PHANGNGA	67.12	71.48	78.24	90.15	99.97	105.88	111.94	108.28	113.59	18.17	19.56	4.4
PHUNPHIN	17.67	31.07	45.86	56.24	67.88	80.10	92.43	97.36	109.97	117.01	128.24	9.9
TAKUA PA	7.32	6.27	6.75	8.16	9.36	9.72	9.80	11.98	14.91	15.93	18.83	14.1
THUNG SONG	14.56	17.91	22.35	23.56	28.63	30.73	33.94	36.22	39.13	48.46	47.28	9.0
TOTAL	164.50	188.60	230.99	272.89	318.03	354.30	391.84	417.88	471.05	513.74	580.61	10.4

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHIEW LAN	2.83	3.33	3.75	4.14	4.54	4.97	5.42	5.88	6.38	6.89	6.89	11.2
KRABI	25.85	28.92	31.88	35.01	38.37	41.87	45.48	49.16	52.88	56.63	56.63	9.0
KHANOM	20.83	26.52	29.05	31.77	34.73	37.88	41.21	44.71	48.36	52.19	52.19	11.9
LAMPOORA	91.66	95.00	103.47	112.12	121.06	129.98	138.75	147.20	155.25	162.76	162.76	6.6
NAKHON SI THAMMARAT	117.50	125.79	137.74	150.15	163.23	176.65	190.33	204.13	218.03	231.97	231.97	8.1
PHANGNGA	21.07	23.55	25.82	28.11	30.53	33.02	35.55	38.08	40.61	43.11	43.11	8.2
PHUKET 1 & 2	134.79	147.12	156.46	164.90	173.28	181.76	190.28	198.77	207.15	215.41	215.41	5.1
PHUNPHIN	133.64	148.67	162.06	175.97	190.66	205.71	221.01	236.40	251.83	267.22	267.22	7.6
TAKUA PA	20.28	22.61	24.76	26.84	29.11	31.35	33.64	35.94	38.27	40.61	40.61	8.0
THUNG SONG	50.30	56.06	61.43	67.06	73.06	79.24	85.58	91.98	98.41	104.82	104.82	8.3
TOTAL	618.73	677.57	736.42	796.08	858.57	922.42	987.25	1,052.24	1,117.18	1,181.59	1,181.59	7.4

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
BANG LANG	76.55	91.54	112.36	138.48	171.52	196.74	1.84	10.87	13.26	14.65	14.98	68.9
HAT YAI 1 & 2	4.59	6.11	8.22	10.18	12.46	14.81	210.05	225.37	263.99	289.48	310.31	9.5
NARATHIWAT							17.11	19.54	23.78	28.44	31.80	16.5
PHATTHALUNG							9.28	14.81	18.68	22.61	26.22	29.7
SADAO												
SONG KHLA							124.00	141.42	124.07	124.70	135.16	5.3
YALA												
PATTANI												
SATUN												
TOTAL	81.15	109.13	166.29	212.11	271.24	315.79	362.28	412.01	481.04	528.86	577.46	12.8

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
BANG LANG	15.39	16.46	17.19	17.89	18.58	19.23	19.82	20.33	20.77	21.12		3.5
HAT YAI 1 & 2	280.70	235.22	254.92	276.01	299.04	323.53	349.49	376.81	405.62	435.91		3.5
NARATHIWAT	65.31	73.86	81.31	88.73	96.10	103.50	110.91	118.20	125.32	132.17		8.4
PHATTHALUNG	35.12	40.18	44.47	48.90	53.54	58.27	63.05	67.82	72.57	77.27		9.3
SADAO	28.55	32.22	35.80	39.60	43.68	47.88	52.05	56.15	60.12	63.90		9.3
SONG KHLA	61.75	117.76	132.81	145.56	158.53	172.13	186.27	200.82	215.76	230.98		15.8
YALA	147.09	68.63	75.66	82.80	90.39	98.24	106.27	114.40	122.59	130.76		(0.3)
PATTANI		101.39	113.16	147.59	182.73	218.51	233.36	249.19	266.01	283.85		13.7
SATUN		37.29	41.23	45.39	49.80	54.32	58.89	63.39	67.76	71.91		8.6
TOTAL	633.90	723.00	796.54	892.47	992.40	1,095.60	1,180.10	1,267.11	1,356.50	1,447.87		9.6

(UNIT: MW)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
CHIANG MAI 1, 2 & 3	18.11	22.36	26.30	31.24	33.14	35.20	36.06	40.45	47.13	53.34	61.18	11.7
CHAIANG RAI	3.40	6.19	8.96	10.26	11.20	9.00	12.70	17.66	23.30	25.50	28.16	22.0
LANPHUN 1						4.54	9.52	9.86	9.87	10.42	10.26	2.7
LANPHUN 2						14.47	4.54	8.05	10.12	12.68	11.79	21.0
LANPANG 1 & 2	7.43	9.35	11.44	12.93	15.11	14.69	14.69	17.09	19.18	20.08	21.78	8.5
FANG												
MAE HONG SON			0.03	0.04	0.05	0.05	0.06	0.25	0.61	0.76	0.84	74.4
MAE MHAO 2												
MAE SARING												
PHAYAO	0.14	5.13	7.92	9.90	10.26	14.26	15.40	8.91	10.48	12.62	14.24	0.0
THOEN		0.23	0.52	0.74	0.64	0.86	1.43	1.84	2.24	2.38	2.66	25.4
MAE NGAT												
CHOMTONG	0.29	0.34	0.42	0.54	0.56	0.58	0.64	3.58	3.69	2.30	4.50	50.6
NEA												
TOTAL	29.37	43.61	55.60	65.64	70.96	78.96	95.04	107.68	126.62	140.07	155.41	14.5

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHIANG MAI 1, 2 & 3	64.08	69.85	76.05	82.71	89.84	97.48	105.63	114.33	123.60	133.47	143.18	8.1
CHAIANG RAI	31.11	34.85	38.03	41.25	44.56	47.85	51.10	54.27	57.34	60.30	63.27	7.9
LANPHUN 1 & 2	21.60	17.99	19.31	23.44	29.26	37.53	45.31	51.71	56.27	60.21	64.15	10.6
LANPANG 1 & 2	23.00	25.28	26.98	28.66	30.39	32.10	33.80	35.44	37.03	38.56	40.10	5.9
FANG												
MAE HONG SON	0.82	0.88	0.93	0.99	1.05	1.11	1.18	1.24	1.31	1.38	1.45	5.1
MAE MHAO 2												
MAE SARING												
PHAYAO	15.72	17.74	19.60	21.48	23.41	25.33	27.22	29.07	30.86	32.58	34.26	8.6
THOEN	2.94	3.39	3.75	4.12	4.50	4.88	5.25	5.62	5.98	6.33	6.68	( 7.8)
MAE NGAT												
CHOMTONG	4.90	5.13	5.46	5.80	6.14	6.49	6.82	7.15	7.47	7.77	8.08	5.3
NEA		5.50	5.50	5.60	5.60	5.70	5.70	5.80	5.80	5.90	6.00	2.7
TOTAL	164.17	180.60	195.62	214.04	234.75	258.46	282.01	304.62	325.66	346.48	367.31	8.3

(UNIT: MW)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
BHUMBOL	0.07	0.10	0.12	0.13	0.21	0.17	0.27	0.30	0.44	0.55	0.66	31.0
KAMPHAENG PHET	3.86	5.25	6.97	8.27	8.52	13.48	15.28	18.08	18.38	22.64	24.96	13.1
NAN	10.16	12.90	12.84	13.43	14.78	15.31	17.29	19.91	21.80	24.24	27.48	16.4
PHARE	4.10	5.35	7.80	9.72	11.01	13.77	16.15	10.28	11.19	12.41	13.94	20.8
PHICHIT	1.89	2.26	2.79	3.07	3.48	5.19	5.96	6.42	8.01	9.19	10.14	14.3
PHITSANULOK 1	3.86	4.79	5.82	6.51	7.10	7.91	8.93	10.42	12.55	15.02	16.57	15.9
SUKHO THAI												
TAK												
UTTARADIT												
PHITSANULOK 2												
TOTAL	23.94	30.64	40.37	46.23	52.61	65.18	81.64	87.74	98.05	112.91	128.67	14.6

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
BHUMBOL	0.74	0.88	1.04	1.21	1.40	1.60	1.83	2.07	2.33	2.61	2.90	14.8
KAMPHAENG PHET	13.37	14.92	16.39	17.88	19.43	20.98	22.53	24.06	25.56	27.02	28.50	7.6
NAN	27.39	31.11	34.84	38.57	42.30	46.03	49.76	53.49	57.22	60.95	64.68	8.4
PHARE	19.46	21.59	23.40	25.19	27.00	28.76	30.46	32.08	33.61	35.04	36.47	6.2
PHICHIT	25.72	27.95	29.97	32.00	34.09	36.17	38.21	40.18	42.07	43.87	45.61	4.8
PHITSANULOK 1	1.11	1.21	1.33	1.45	1.58	1.71	1.86	2.02	2.19	2.36	2.53	8.4
SIRIKIT	14.05	15.66	17.05	18.45	19.87	21.30	22.72	24.10	25.45	26.76	28.01	6.7
SUKHO THAI	10.57	11.56	12.39	13.19	14.00	14.80	15.59	16.36	17.09	17.80	18.46	5.8
TAK	17.13	18.65	20.07	21.55	23.11	24.72	26.35	28.00	29.65	31.31	32.96	6.6
UTTARADIT	1.86	2.05	2.23	2.40	2.57	2.74	2.90	3.05	3.21	3.35	3.50	6.8
PHITSANULOK 2												
TOTAL	131.39	144.39	155.87	167.60	179.72	191.85	203.89	215.70	227.25	238.46	249.67	6.4

(UNIT: MW)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
LOP BURI 1 & 2	9.80	13.87	14.85	15.63	16.98	16.27	18.89	19.26	21.60	23.62	26.22	10.0
MANOROM	4.17	5.36	6.45	6.58	9.72	9.78	10.85	12.86	14.20	16.34	17.60	12.5
NAKHON SAWAN	11.06	12.54	15.82	18.06	19.80	21.96	22.36	25.00	27.16	29.88	32.32	8.0
PHETCHA BUN			5.04	6.16	7.00	8.24	9.36	12.16	14.80	15.02	15.70	15.3
SING BURI	4.95	5.24	7.30	8.62	8.98	8.92	10.00	12.22	12.74	13.68	14.36	10.0
TAKHLI 2	3.13	3.30	3.52	3.77	5.04	5.96	4.66	4.54	5.50	5.46	5.43	( 1.8)
LOMSAK												
CHAI BADAN												
TOTAL	33.11	40.30	52.97	58.83	67.52	71.13	75.51	86.04	96.00	104.00	111.63	9.4

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
LOP BURI 1 & 2	28.90	31.13	29.02	30.48	31.99	33.50	34.98	36.43	37.85	39.24		4.1
MANOROM	18.34	21.14	22.55	23.96	25.41	26.85	28.25	29.60	30.91	32.16		6.2
NAKHON SAWAN	34.89	38.39	41.11	43.89	46.81	49.75	52.69	55.60	58.46	61.25		6.6
PHETCHA BUN	18.56	20.52	11.90	12.72	13.62	14.51	15.37	16.20	17.00	17.75		1.2
SING BURI	14.51	15.59	16.45	17.50	18.57	19.62	20.65	21.65	22.61	23.53		5.1
TAKHLI 2	5.78	6.16	6.48	6.79	7.12	7.45	7.77	8.08	8.37	8.66		4.8
LOMSAK		0.00	7.00	7.58	8.22	8.87	9.51	10.14	10.75	11.35		7.2
CHAI BADAN		0.00	7.19	7.79	8.45	9.11	9.77	10.42	11.06	11.68		7.2
TOTAL	120.98	132.93	141.69	150.72	160.20	169.65	178.99	188.12	197.00	205.60		6.3

(UNIT: MW)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
CHUM PHAE	1.31	3.74	5.46	6.84	7.80	9.04	10.44	9.96	10.68	12.48	13.44	8.3
KHON KAEN 1 & 2	11.34	12.68	14.48	18.58	19.64	20.70	25.28	28.56	28.68	32.16	33.40	10.0
LOEI								8.92	10.72	13.76	14.19	16.7
NAKON PHANOM	3.28	3.15	3.22	3.26	3.49	3.53	3.75	4.32	6.41	5.39	5.88	10.7
NAM PHONG	0.05	0.06	0.18	0.17	0.22	0.24	3.05	7.95	11.89	12.37	13.18	44.2
NAM PHUNG	3.77	4.30	4.38	5.68	6.80	6.07	0.28	0.37	0.51	0.67	1.62	47.2
NONG KHAI							7.88	8.74	12.04	11.96	15.76	21.0
PHANG KHON								6.77	8.09	9.47	11.35	18.8
SAKON NAKHON	4.57	5.56	5.72	6.79	6.85	8.58	11.34	6.87	8.42	9.48	10.54	4.2
THAT PHANOM	0.92	1.15	1.41	2.22	2.13	1.74	2.32	2.45	2.72	3.78	4.02	18.2
UDON THANI 1 & 2	17.32	17.47	20.64	20.94	23.90	25.64	30.56	32.20	37.28	41.40	45.92	12.4
BUNG KAN												
CHULA BHOEN P/S	0.18	0.22	0.23	0.42	0.48	0.03	0.05	0.05	0.06	0.06	0.07	18.3
NA KAE								0.79	1.06	1.05		10.7
TOTAL	42.74	48.33	55.71	64.91	71.30	76.19	95.57	117.95	138.55	154.03	169.37	17.3

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHUM PHAE	14.42	16.21	17.88	19.59	21.36	23.14	24.92	26.66	28.37	30.04		8.4
KHON KAEN 1 & 2	35.06	38.24	41.15	44.11	47.17	50.24	53.29	56.28	59.21	62.07		6.4
LOEI	13.67	15.03	16.32	17.69	19.15	20.67	22.24	23.84	25.48	27.14		6.7
NAKON PHANOM	6.56	7.14	7.66	8.20	8.76	9.32	9.88	10.43	10.97	11.48		6.9
NAM PHONG	13.24	13.85	14.36	14.89	15.47	16.05	16.63	17.21	17.77	18.31		3.3
NAM PHUNG	0.82	0.96	1.11	1.27	1.43	1.61	1.79	1.98	2.18	2.38		3.9
NONG KHAI	15.18	13.88	14.71	15.51	16.32	17.11	17.89	18.63	19.33	20.01		2.4
PHANG KHON	10.92	10.88	11.92	12.89	13.80	14.60	15.28	15.82	16.22	16.49		3.8
SAKON NAKHON	11.03	11.98	12.84	13.71	14.61	15.50	16.37	17.22	18.04	18.83		6.0
THAT PHANOM	4.26	4.66	5.02	5.38	5.74	6.10	6.45	6.79	7.11	7.42		6.3
UDON THANI 1 & 2	46.91	50.77	54.20	57.62	61.08	64.44	67.64	70.62	73.35	75.79		5.1
BUNG KAN		4.36	4.93	5.54	6.18	6.87	7.58	8.31	9.05	9.81		10.7
CHULA BHOEN P/S	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.12	0.12		6.7
NA KAE												
TOTAL	172.13	188.02	202.19	216.48	231.17	245.74	260.06	273.88	287.20	299.89		5.9

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
KALASIN	6.16	8.84	10.32	12.52	14.28	16.14	21.36	22.08	11.21	14.90	18.42	28.2
MAHA SARAKHAM	0.89	0.96	1.06	1.39	1.96	2.60	2.94	3.75	4.60	23.08	24.22	8.5
MUKDAHAN	0.04	0.17	0.23	0.97	1.23	1.78	1.94	2.08	2.28	4.92	5.43	15.8
ROIET	0.45	0.71	0.97	1.30	1.69	2.61	4.59	5.40	11.80	14.88	17.16	6.3
SIRINDHON	10.70	13.04	14.84	16.95	19.80	20.58	22.78	18.68	5.37	5.19	5.80	17.3
SISAKET	2.17	2.99	3.84	4.83	5.60	7.48	9.64	11.39	22.76	24.80	28.28	6.6
UBON RATCHATHANI 1									15.70	16.90	19.16	20.7
YASOTHON												
TOTAL	20.41	26.71	31.26	37.97	44.55	51.19	69.82	71.78	98.04	107.46	120.88	18.7

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
KALASIN	18.37	16.08	17.55	19.15	20.81	22.47	24.14	25.78	27.40	28.97	28.97	4.6
MAHA SARAKHAM	24.46	18.04	19.91	21.86	23.88	25.96	28.26	30.65	33.11	35.65	35.65	3.9
MUKDAHAN	5.90	6.68	7.31	7.96	8.65	9.34	10.03	10.72	11.40	12.07	12.07	8.3
ROIET	16.78	19.05	20.94	22.86	24.86	26.86	28.85	30.82	32.74	34.61	34.61	8.4
SIRINDHON	2.16	2.29	2.41	2.55	2.69	2.84	2.99	3.15	3.31	3.48	3.48	3.7
SISAKET	17.20	19.16	20.99	22.83	24.72	26.60	28.78	30.95	33.10	35.22	35.22	7.5
SORDET	7.03	7.90	8.81	9.76	10.74	11.76	12.82	13.92	15.04	16.20	16.20	10.8
UBON RATCHATHANI 1	29.57	31.96	34.15	36.40	38.76	41.14	43.55	45.93	48.29	50.61	50.61	6.0
YASOTHON	18.71	18.35	20.21	22.10	24.04	25.98	27.89	29.74	31.55	33.47	33.47	5.7
TOTAL	140.17	139.50	152.29	165.48	179.14	192.95	207.31	221.65	235.93	250.27	250.27	7.5

(UNIT: MW)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)		
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985	
BURI RAM									10.41	11.64	14.54	16.00	15.4
CHAIYA PHUM									8.07	10.23	11.26	13.90	19.7
NAKHON RATCHASIMA 1 & 2	23.35	26.87	30.35	34.97	39.07	41.84	46.30	6.77	45.58	53.78	61.92	67.06	9.9
PAK CHONG	5.64	6.68	10.64	11.48	12.06	12.75	13.94	12.38	12.96	10.20	11.60	11.88	( 1.4)
PHON	4.30	5.52	7.22	9.20	10.34	11.00	12.38		9.44	14.10	16.40	14.98	6.4
SIKHIU									13.40	14.70	16.04	15.68	5.4
SURIN	5.58	6.94	8.64	10.56	12.80	13.64	15.62	15.58		12.32	15.72	16.76	4.2
TOTAL	38.87	46.01	56.85	66.21	74.27	79.23	95.01	115.44	126.97	147.48	156.26		14.5

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)		
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995			
BURI RAM	17.29	19.35	21.30	23.29	25.35	27.43	29.51	31.56	33.57	35.54			8.3
CHAIYA PHUM	14.35	15.71	16.91	18.12	19.36	20.60	21.82	23.02	24.19	25.33			6.2
NAKHON RATCHASIMA 1 & 2	67.64	73.19	77.69	82.20	86.87	91.46	95.96	100.25	104.35	108.15			4.9
PAK CHONG	12.48	13.60	14.59	15.56	16.52	17.41	18.26	19.09	19.90	20.69			5.7
PHON	13.56	14.25	14.77	15.24	15.71	16.13	16.52	16.86	17.14	17.38			1.5
SIKHIU	15.07	16.02	16.85	17.67	18.52	19.34	20.12	20.84	21.50	22.14			3.5
SURIN	17.70	19.33	20.75	22.13	23.53	24.91	26.25	27.53	28.74	29.87			6.0
TOTAL	158.08	171.45	182.85	194.21	205.85	217.27	228.43	239.14	249.40	259.10			5.2



(UNIT: MW)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
ANG THONG 1	3.21	6.00	8.46	9.72	10.86	11.76	10.78	11.00	11.88	6.40	4.41	(17.8)
ANG THONG 2	5.80	8.15	9.10	10.01	11.27	10.90	10.08	1.87	16.07	12.06	11.94	85.5
AYUTTHATA 1	5.36	6.56	9.22	9.83	10.16	11.23	11.54	12.06	14.28	18.10	21.30	14.3
BAN MAI	4.69	5.66	7.84	10.58	10.68	15.62	16.38	18.62	38.44	41.58	128.87	49.7
BANG PA IN	9.56	12.45	14.66	14.78	14.32	13.20	14.46	16.86	20.16	25.72	26.84	9.3
FRACHIN BURI	12.21	12.81	14.93	14.54	13.97	16.40	39.43	41.88	17.48	18.54	19.46	11.4
SARABURI 1	17.08	20.50	22.80	23.28	21.96	20.88	22.72	23.88	50.72	51.68	55.24	27.5
SARABURI 2	1.24	1.55	2.34	4.78	6.58	8.48	12.18	15.93	22.32	22.20	21.72	0.8
SARABURI 3	21.28	19.22	17.78	3.05	3.28	5.74	16.43	15.56	15.88	16.35	16.93	14.8
SARABURI 4									14.02	15.84	15.84	22.5
THALAN												
WATTHANA NAKHON												
MEA												
TOTAL	80.43	92.90	107.13	122.54	126.30	144.72	189.16	211.71	271.95	259.19	346.05	19.0

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
ANG THONG 1	4.84	5.08	5.34	5.61	5.89	6.18	6.49	6.81	7.15	7.51		5.5
ANG THONG 2	12.47	13.72	14.88	16.05	17.27	18.47	19.64	20.77	21.84	22.82		6.7
AYUTTHATA 1	22.85	25.05	27.13	29.29	31.57	33.90	36.25	38.59	40.89	43.13		7.3
BAN MAI	138.54	151.23	160.44	170.27	180.66	191.57	202.94	215.19	228.37	242.54		6.5
BANG PA IN	17.97	19.18	20.26	21.38	22.55	23.76	24.99	26.23	27.48	28.73		5.1
FRACHIN BURI	30.48	34.90	27.18	28.32	29.48	30.61	31.87	33.08	34.24	35.34		2.8
SARABURI 1	21.42	22.82	24.00	25.19	26.43	27.65	28.86	30.03	31.16	32.25		5.2
SARABURI 2	58.53	58.97	99.45	99.99	100.58	101.24	101.95	102.73	103.55	104.43		6.6
SARABURI 3	20.00	51.09	78.09	78.09	78.09	78.09	78.09	78.09	78.09	78.09		13.7
SARABURI 4	15.79	18.68	20.00	21.35	22.77	24.22	25.67	27.12	28.56	29.98		5.9
THALAN	17.53	18.87	20.09	21.35	22.69	24.05	25.44	26.84	28.24	29.64		6.5
WATTHANA NAKHON			11.56	12.55	13.56	14.55	15.61	16.65	17.65	18.61		7.0
MEA												
TOTAL	360.42	419.58	508.41	529.43	551.53	574.29	597.81	622.12	647.21	673.07		6.9

(UNIT: MW)

SUBSTATION	ACTUAL											GROWTH RATE (%/YEAR)			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985				
AO PHAI														1.29	
BAN BUNG	9.13	11.65	12.41	15.20	15.52	18.28	6.98	11.22	11.22	0.89	11.16	12.26	12.26	15.1	
BANG LAMUNG	17.46	21.26	27.03	28.57	33.68	31.56	20.44	25.60	28.16	11.92	31.92	35.56	35.56	14.2	
CHON BURI	7.47	8.43	9.74	10.73	13.50	14.82	16.24	19.54	23.08	23.46	28.40	28.40	28.40	6.3	
CHACHONG SAO														13.9	
CHANTHABURI														15.4	
KLAENG														15.7	
RAYONG 1	7.68	10.43	13.12	17.18	14.36	16.24	17.42	17.88	28.36	34.52	4.14	7.34	7.34		
RAYONG 2														6.70	
RAYONG 3														15.58	
SRIRACHA	6.39	6.77	8.17	8.93	9.09	9.86	11.04	11.58	13.80	15.32	15.32	15.32	15.32	9.6	
TRAT	2.70	2.94	4.97	3.53	3.49	3.76	4.53	4.77	4.31	4.66	4.66	4.66	4.66	4.4	
SATTAPHIP 2															
TOTAL	50.83	61.48	75.45	95.94	103.10	112.36	131.34	143.19	169.37	197.07	215.83	215.83	215.83	13.9	

SUBSTATION	FORECAST											GROWTH RATE (%/YEAR)			
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995					
AO PHAI															
BAN BUNG	1.30	3.23	6.46	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	22.4	
BANG LAMUNG	12.12	13.26	14.32	15.44	16.62	17.85	19.11	20.40	21.70	23.01	23.01	23.01	23.01	6.5	
CHON BURI	37.90	41.20	43.67	46.10	48.57	50.97	53.30	55.50	57.58	59.54	59.54	59.54	59.54	5.3	
CHACHONG SAO	39.20	43.38	47.20	51.16	55.32	59.55	63.84	68.11	72.34	76.51	76.51	76.51	76.51	6.0	
CHANTHABURI	29.86	32.53	34.98	37.52	40.19	42.89	45.62	48.32	50.98	53.58	53.58	53.58	53.58	6.6	
KLAENG	34.44	27.73	30.14	32.50	34.95	37.41	39.83	42.19	44.45	46.60	46.60	46.60	46.60	3.8	
RAYONG 1	7.13	7.86	8.57	9.32	10.12	10.96	11.83	12.73	13.65	14.60	14.60	14.60	14.60	8.3	
RAYONG 2	42.39	45.63	49.38	53.36	57.65	62.27	67.22	72.54	78.25	84.35	84.35	84.35	84.35	9.6	
RAYONG 3	7.48	8.63	9.77	10.95	12.19	13.42	14.63	15.78	16.84	17.77	17.77	17.77	17.77	9.2	
SRIRACHA	7.00	7.00	14.60	89.60	92.40	99.50	99.50	99.50	99.50	99.50	99.50	99.50	99.50	31.0	
TRAT	16.86	18.19	19.37	20.59	21.89	23.21	24.56	25.92	27.30	28.68	28.68	28.68	28.68	6.3	
SATTAPHIP 2		10.53	11.53	12.51	13.50	14.45	15.37	16.25	17.08	17.83	17.83	17.83	17.83	6.8	
TOTAL	235.68	259.15	289.99	388.75	413.10	442.18	464.51	486.92	509.36	531.67	531.67	531.67	531.67	9.4	

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
BAN PONG 1	11.79	12.74	21.00	21.79	21.80	21.62	21.24	22.80	30.40	34.92	39.92	13.0
BAN PONG 2	21.92	24.46	22.56	24.00	27.00	32.05	30.70	28.85	36.70	37.80	38.85	3.9
KANCHANA BURI	6.63	6.63	7.34	10.38	10.29	9.20	10.98	11.48	16.12	13.66	14.50	9.5
KANPHAENG SAEN												
NAKHON CHAISAI	18.67	20.61	26.27	26.88	32.97	38.58	38.61	42.42	41.13	41.46	42.72	2.1
SAM PHRAN 1	13.69	18.70	18.73	20.20	25.48	30.68	32.72	37.68	43.04	43.68	51.72	11.0
SAMUTSAKHON 1 & 2	22.19	26.51	30.14	32.92	39.24	39.40	37.01	38.04	40.80	43.36	46.13	3.2
SUPHAN BURI	4.39	5.47	6.05	6.53	9.63	10.21	11.01	13.70	17.20	20.38	21.42	16.0
THAMUANG		5.33	7.51	12.37	6.33	7.80	7.95	7.66	11.34	10.60	10.60	6.3
SRINAGARIND				0.04	0.08	0.08	0.10	0.13	0.14	0.27	0.27	29.2
KHAO LAEM								0.09	0.14	0.24	1.67	
TOTAL	99.28	120.45	139.60	155.12	172.82	189.62	190.31	202.84	237.00	246.37	267.80	7.1

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
BAN PONG 1	48.61	36.94	39.70	42.44	45.22	47.94	50.57	53.10	55.50	57.77		3.8
BAN PONG 2	39.79	42.59	45.06	47.60	50.31	53.07	55.85	58.63	61.40	64.13		5.1
KANCHANA BURI	25.62	28.40	30.64	32.93	35.31	37.70	40.06	42.35	44.56	46.65		6.4
KANPHAENG SAEN	14.83	16.47	17.98	19.51	21.06	22.63	24.19	25.75	27.28	28.79		7.7
NAKHON CHAISAI												
SAM PHRAN 1	101.19	110.70	119.76	129.38	139.79	150.72	162.17	174.03	186.33	199.05		7.7
SAMUTSAKHON 1 & 2	45.31	49.19	52.82	56.59	60.64	64.85	69.21	73.67	78.23	82.87		6.0
SUPHAN BURI	24.03	27.00	29.72	32.33	34.93	37.40	39.84	42.20	44.46	46.59		8.1
THAMUANG												
SRINAGARIND	0.29	0.33	0.37	0.42	0.46	0.51	0.56	0.61	0.66	0.71		10.1
KHAO LAEM	2.49	2.68	2.70	2.72	2.75	2.77	2.80	2.82	2.85	2.88		5.6
TOTAL	302.14	314.30	338.75	363.92	390.46	417.58	445.25	473.15	501.26	529.42		7.1

(UNIT: MW)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
CHA AM	14.44	15.96	17.56	18.16	15.92	15.24	15.60	17.28	18.40	19.40	20.04	5.6
CHUM PHON							8.86	10.60	12.14	13.82	15.30	14.6
PHETCHABURI	5.99	7.36	8.43	9.30	9.24	9.32	9.28	10.28	13.34	12.56	13.90	8.3
PRACHOAPKHIRI KHAN							4.97	5.89	6.45	7.61	8.29	13.6
PRAN BURI					8.37	10.79	12.69	8.48	8.31	9.29	9.45	(2.6)
RANONG	4.40	5.80	7.60	8.80	9.30	9.20	10.06	9.74	9.48	10.81	10.88	3.4
RATCHABURI 1	16.42	17.48	19.91	15.10	16.08	15.12	13.38	16.42	12.28	13.14	10.16	(7.6)
RATCHABURI 2										5.00	5.64	
SAMUTSONGKHAM			5.47	6.28	7.02	6.93	7.88	11.92	12.90	17.54	17.42	20.2
TOTAL	41.25	46.60	58.96	65.04	65.93	66.60	82.72	90.61	93.30	109.17	111.08	10.8

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHA AM	22.14	23.89	35.56	37.33	39.19	41.16	43.22	45.39	47.67	50.05		9.6
CHUM PHON	15.76	17.51	19.07	20.70	22.43	24.19	25.98	27.78	29.60	31.40		7.5
PHETCHABURI	14.88	16.23	17.47	18.75	20.10	21.49	22.91	24.35	25.82	27.29		7.0
PRACHOAPKHIRI KHAN	9.57	10.54	11.59	12.67	13.76	14.87	15.98	17.06	18.11	19.10		8.7
PRAN BURI	10.06	11.28	12.11	13.10	14.12	15.23	16.37	17.55	18.74	19.92		7.7
RANONG	11.38	12.13	12.78	13.42	14.03	14.62	15.19	15.72	16.23	16.70		4.4
RATCHABURI 1	10.84	12.12	13.27	14.42	15.57	16.73	17.88	19.00	20.08	21.11		7.6
RATCHABURI 2	5.61	6.29	7.01	7.73	8.50	9.28	10.06	10.82	11.54	12.22		8.0
SAMUTSONGKHAM	16.04	17.81	19.52	21.30	23.19	25.13	27.10	29.08	31.04	32.98		6.6
TOTAL	116.08	127.81	148.38	159.40	170.89	182.69	194.68	206.75	218.82	230.77		7.6

(UNIT: MW)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
CHIEW LAN	0.76	0.96	1.09	1.29	1.78	2.31	2.64	2.77	3.43	0.50	0.71	15.5
KRABI	5.73	6.54	6.82	8.86	9.98	10.70	11.55	12.35	14.54	4.36	4.75	9.6
KHANOM	4.88	6.18	7.71	8.94	10.43	11.39	13.38	16.20	17.32	2.77	3.24	14.8
NAKHON SI THAMMARAT	2.26	1.97	2.21	1.89	2.28	2.67	3.09	3.29	3.40	3.63	3.92	8.0
PHANGNGA	11.97	13.34	14.13	16.33	18.12	18.48	19.83	18.78	20.35	20.30	23.23	4.7
PHUKET 1 & 2	4.70	7.35	9.44	11.00	12.96	15.21	17.53	18.01	21.22	22.34	24.20	9.7
PHUNPHIN	1.70	1.52	1.68	1.91	2.18	2.24	2.21	2.74	3.37	3.33	4.39	14.4
TAKUA PA	3.41	4.13	5.27	5.41	6.14	6.73	6.92	7.68	8.33	10.08	10.60	9.5
THUNG SONG												
TOTAL	35.41	41.99	48.35	55.62	63.88	69.74	77.15	82.61	93.34	101.77	114.66	10.5

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
CHIEW LAN	0.73	0.86	0.95	1.04	1.13	1.22	1.32	1.42	1.52	1.62	1.62	8.6
KRABI	5.13	5.70	6.24	6.81	7.41	8.03	8.67	9.31	9.95	10.58	10.58	8.3
KHANOM	3.87	5.18	5.66	6.18	6.74	7.32	7.94	8.58	9.25	9.94	9.94	11.9
LAMPOORA	17.86	18.23	19.69	21.16	22.66	24.13	25.55	26.89	28.13	29.26	29.26	5.6
NAKHON SI THAMMARAT	27.03	27.38	29.69	32.06	34.54	37.03	39.54	42.02	44.48	46.91	46.91	7.5
PHANGNGA	4.18	4.64	5.04	5.44	5.86	6.28	6.71	7.13	7.54	7.94	7.94	7.3
PHUKET 1 & 2	23.67	25.64	27.25	28.40	29.62	30.84	32.04	33.22	34.37	35.48	35.48	4.3
PHUNPHIN	25.01	27.60	29.84	32.14	34.55	36.98	39.42	41.84	44.23	46.57	46.57	6.8
TAKUA PA	4.45	4.95	5.39	5.82	6.29	6.75	7.22	7.68	8.15	8.62	8.62	7.0
THUNG SONG	11.04	12.19	13.23	14.31	15.44	16.60	17.76	18.92	20.06	21.18	21.18	7.2
TOTAL	122.96	132.34	142.98	153.36	164.22	175.18	186.16	197.00	207.67	218.09	218.09	6.6

(UNIT: MW)

SUBSTATION	ACTUAL										GROWTH RATE (%/YEAR)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984		1985
BANG LANG	16.61	19.27	22.84	27.34	33.51	36.68	2.08	2.64	2.98	3.35	3.47	13.6
HAT YAI 1 & 2							39.60	43.77	49.60	53.92	57.32	9.3
NARATHIWAT	1.45	1.95	2.41	2.77	3.27	3.93	4.40	5.41	6.65	8.06	8.50	14.9
PHATHALUNG							2.52	4.15	4.16	5.29	5.83	16.7
SADAO												23.3
SONG KHLA		8.80	12.00	16.31	20.25	23.07	29.31	34.25	34.28	27.66	30.12	5.5
YALA												
PATTANI												
SATUN												
TOTAL	18.06	30.02	37.25	46.43	57.02	63.67	77.91	90.23	109.01	111.32	120.22	13.6

SUBSTATION	FORECAST										GROWTH RATE (%/YEAR)	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995		
BANG LANG	3.58	3.82	3.97	4.12	4.26	4.39	4.51	4.60	4.68	4.75		3.2
HAT YAI 1 & 2	64.59	42.96	46.19	49.62	53.34	57.26	61.38	65.67	70.16	74.83		2.7
NARATHIWAT	15.86	17.71	19.26	20.76	22.21	23.63	25.02	26.35	27.62	28.79		6.8
PHATHALUNG	9.13	10.31	11.28	12.27	13.29	14.30	15.31	16.30	17.26	18.19		7.9
SADAO	6.39	7.14	7.86	8.61	9.41	10.22	11.00	11.76	12.48	13.14		8.5
SONG KHLA	21.58	23.79	26.82	28.98	31.29	33.68	36.14	38.63	41.16	43.69		8.2
YALA	33.00	15.45	16.82	18.14	19.54	20.96	22.38	23.79	25.17	26.51		(1.3)
PATTANI		22.26	24.60	32.07	39.65	47.31	50.12	53.08	56.20	59.47		13.1
SATUN		7.96	8.72	9.51	10.34	11.17	12.00	12.81	13.57	14.28		7.6
TOTAL	154.13	151.39	165.51	184.07	203.31	222.92	237.86	252.99	268.29	283.65		9.0

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHIANG MAI 1	1 x 13.3	1 x 13.3	1 x 13.3	1 x 13.3	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0
2.	CHIANG MAI 2	2 x 25.0 3 x 3.3	2 x 25.0 3 x 3.3	2 x 25.0 3 x 3.3	2 x 25.0 3 x 3.3	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0	2 x 50.0 2 x 25.0
3.	CHIANG MAI 3	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0
4.	CHIANG RAI	2 x 25.0	2 x 25.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0
5.	LAMPHUN 1	1 x 6.5 1 x 4.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0
6.	LAMPHUN 2	1 x 13.3	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
7.	LAM PANG 1	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0	3 x 6.5 1 x 5.0
8.	LAM PANG 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
9.	FANG	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0	1 x 4.0 2 x 2.0
10.	MAE HONG SON	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0	2 x 1.0
11.	MAE MHAO 2	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0	1 x 4.0
12.	MAE SARING	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8	1 x 2.0 2 x 0.8
13.	PHAYAO	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7	1 x 25.0 1 x 16.7
14.	THOEN	2 x 2.5	2 x 2.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5
15.	MAE NGAT		2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0	2 x 5.0
16.	CHOM THONG		1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	310.8	422.0	492.0	492.0	618.8	618.8	618.8	618.8	652.1	652.1	672.1	672.1	672.1	672.1	672.1
	NO. OF SUBSTATIONS	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	NO. OF BANKS	22	24	24	24	25	25	25	25	25	25	25	25	25	25	25
	NO. OF TRANSFORMERS	30	33	33	33	32	32	32	32	32	32	32	32	32	32	32

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BHUMIBOL	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5	1 x 2.5
2.	KAMPHAENG PHRET	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0
3.	NAN	1 x 4.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
4.	PHARE	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
5.	PHICHIT	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0
6.	PHITSANULOK 1	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
7.	PHITSANULOK 2	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
8.	SIRIKIT	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 5.0	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5
9.	SUKHO THAI	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
10.	TAK	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5	1 x 25.0 1 x 12.5
11.	UTTARADIT	1 x 25.0	1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0	1 x 50.0 1 x 25.0
12.	SAWAN KHALOK					1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
13.	MAE SOT						1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	236.5	322.5	397.5	397.5	462.5	487.5	487.5	487.5	525.0	525.0	525.0	532.5	532.5	532.5	532.5
	NO. OF SUBSTATIONS	11	11	11	11	12	13	13	13	13	13	13	13	13	13	13
	NO. OF BANKS	13	15	17	17	19	20	20	20	21	21	21	21	21	21	21
	NO. OF TRANSFORMERS	14	16	18	18	19	20	20	20	21	21	21	21	21	21	21



NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	LOP BURI 1	1 x 25.0 2 x 6.25	1 x 25.0 2 x 6.25	1 x 25.0 2 x 6.25	1 x 25.0 2 x 6.25	1 x 25.0 2 x 6.25	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0
2.	LOP BURI 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
3.	MANOROM	2 x 12.5	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
4.	NAKHON SAWAN	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
5.	PHECHABUN	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
6.	SING BURI	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
7.	TAKHLI 2	1 x 6.25	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
8.	IOMSAK		1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
9.	CHAI BADAN		1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
10.	THATAKO				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
11.	SALOKBAT				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
12.	BANG MUN NAK					1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	223.75	305.00	305.00	355.00	380.00	417.50	460.00	460.00	460.00	460.00	460.00	460.00	460.00	460.00	460.00
	NO. OF SUBSTATIONS	7	9	9	11	12	12	12	12	12	12	12	12	12	12	12
	NO. OF BANKS	9	12	12	14	15	16	16	16	16	16	16	16	16	16	16
	NO. OF TRANSFORMERS	11	13	13	15	16	16	16	16	16	16	16	16	16	16	16

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHUM PHAE	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	3 x 6.25 1 x 13.3	2 x 6.25 1 x 13.3 1 x 25.0	2 x 6.25 1 x 13.3 1 x 25.0	2 x 6.25 1 x 13.3 1 x 25.0	2 x 6.25 1 x 13.3 1 x 25.0	2 x 6.25 1 x 13.3 1 x 25.0	2 x 6.25 1 x 13.3 1 x 25.0
2.	KHON KHAEN 1	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
3.	LOEI	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0
4.	NAKHON PHANOM	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
5.	NAM PHONG	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0
6.	NAM PHUNG	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6	1 x 3.6
7.	NONG KHAI	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5
8.	PHANG KHON	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0
9.	SAKON NAKHON	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
10.	THAT PHANOM	1 x 6.3	1 x 6.3	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
11.	UDON THANI 1	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0
12.	UDON THANI 2	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
13.	BUNG KAN	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
14.	KHON KHAEN 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
15.	BAN PHAI	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	292.65	380.95	399.65	474.65	474.65	474.65	502.15	502.15	502.15	554.40	604.40	629.40	629.40	644.55	644.55
	NO. OF SUBSTATIONS	12	14	14	15	15	15	15	15	15	15	15	15	15	15	15
	NO. OF BANKS	14	18	18	21	21	21	21	21	21	22	23	24	24	24	24
	NO. OF TRANSFORMERS	17	21	21	24	24	24	24	24	24	24	25	26	26	26	26

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	KALASIN	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
2.	MAHA SARAKHAM	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	1 x 25.0	1 x 25.0
3.	MUKDAHAN	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
4.	ROIET	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0
5.	SIRINDHON	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 6.0	1 x 12.5	1 x 12.5
6.	SISAKET	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0	3 x 25.0
7.	SOMDET	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5
8.	UBON RATCHATHANI 1	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5
9.	YASOTHON	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
10.	AMNAT CHARDEN					1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	289.5	289.5	314.5	439.5	489.5	489.5	489.5	501.5	501.5	556.5	556.5	556.5	571.5	593.0	593.0
	NO. OF SUBSTATIONS	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10
	NO. OF BANKS	13	13	14	17	19	19	19	19	19	21	21	21	21	21	21
	NO. OF TRANSFORMERS	14	14	15	18	20	20	20	20	20	21	21	21	21	21	21

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BURI RAM	2 x 12.5	2 x 12.5	2 x 12.5	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0
2.	CHAIYA DHUM	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
3.	NAKHON RACHASIMA 1	2 x 31.5	2 x 31.5	2 x 31.5	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0	2 x 31.5 1 x 50.0
4.	NAKHON RACHASIMA 2	1 x 25.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0
5.	PAK CHONG	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
6.	PHON	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
7.	SHIKHIU	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 31.5	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0
8.	SURIN	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
9.	PHIMAI				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
10.	FRAKHONCHAI					1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	270.5	320.5	320.5	460.5	485.5	485.5	510.5	534.5	553.0	553.0	553.0	553.0	553.0	553.0	553.0
	NO. OF SUBSTATIONS	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10
	NO. OF BANKS	10	11	11	15	16	16	17	18	18	18	18	18	18	18	18
	NO. OF TRANSFORMERS	12	13	13	16	17	17	18	18	18	18	18	18	18	18	18

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	ANG THONG 1	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 10.0	1 x 25.0	1 x 25.0	1 x 25.0
2.	ANG THONG 2	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
3.	AYUTAYA 1	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
4.	BANG KHAN	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
5.	BAN MAI	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
6.	BAN PA IN	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
7.	PRACHIN BURI	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
8.	PATUM THANI	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
9.	SARABURI 1	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
10.	SARABURI 2	1 x 40.0	2 x 50.0	1 x 40.0	2 x 50.0	1 x 40.0	2 x 50.0	1 x 40.0	2 x 50.0	1 x 40.0	2 x 50.0	1 x 40.0	2 x 50.0	1 x 40.0	2 x 50.0	1 x 40.0
11.	SARABURI 3	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
12.	SARABURI 4	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
13.	THALAN	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0	1 x 25.0 1 x 6.0
14.	THANYA BURI	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
15.	WATHANA NAKHON	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
16.	PRAPHUTTRABAT				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
17.	NAKHONNAYOK				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
18.	AYUTHAYA 2				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
19.	NAVANAKHON				1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
	CAPACITY (MVA)	546.0	711.0	761.0	811.0	876.0	876.0	916.0	956.0	956.0	971.0	971.0	971.0	1,026.0	1,026.0	1,026.0
	NO. OF SUBSTATIONS	13	15	15	17	19	19	19	19	19	19	19	19	19	19	19
	NO. OF BANKS	19	23	25	27	29	29	30	31	31	31	31	31	32	32	32
	NO. OF TRANSFORMERS	19	23	25	27	29	29	30	31	31	31	31	31	32	32	32

## SUBSTATION EXPANSION PLAN OF REGION C2

(UNIT: MVA)

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	AO PHAI	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
2.	BAN BUNG	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
3.	BANG LAMUNG	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
4.	CHON BURI	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
5.	CHACHOENGSAO	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
6.	CHANTRABURI	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
7.	KLAENG	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
8.	RAYONG 1	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
9.	RAYONG 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
10.	RAYONG 3	2 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0	3 x 40.0
11.	SRI RACHA	2 x 12.5	2 x 12.5	2 x 12.5	1 x 12.5	1 x 12.5	2 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5	1 x 12.5
12.	TRAT	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
13.	PHANOM SARAKHAN					1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
14.	PHANUTIKHOM															
	CAPACITY (MVA)	510.0	615.0	655.0	707.5	732.5	757.5	757.5	787.5	817.5	832.5	877.5	920.0	935.0	935.0	935.0
	NO. OF SUBSTATIONS	11	12	12	12	13	14	14	14	14	14	14	14	14	14	14
	NO. OF BANKS	18	21	22	24	25	26	26	26	26	26	26	26	26	26	26
	NO. OF TRANSFORMERS	19	22	23	24	25	26	26	26	26	26	26	26	26	26	26

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BANG PONG 1	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0	2 x 25.0 1 x 40.0
2.	BANG PONG 2	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
3.	KANCHANA BURI	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
4.	KAMPAENG SAEN	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
5.	NAKHON CHAISAI	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0
6.	SAM PHRAN 1	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0
7.	SAMUT SAKHON 1	2 x 25.0	2 x 25.0	2 x 25.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
8.	SAMUT SAKHON 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
9.	SUPHAN BURI	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
10.	THAMUANG	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
11.	SAM PHRAN 2				1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0	1 x 50.0
12.	DOEMBANG NANGBUAT				1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 40.0
	CAPACITY (MVA)	500.0	565.0	565.0	670.0	670.0	670.0	795.0	795.0	795.0	835.0	835.0	835.0	835.0	850.0	850.0
	NO. OF SUBSTATIONS	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12
	NO. OF BANKS	17	19	19	21	21	21	24	24	24	25	25	25	25	25	25
	NO. OF TRANSFORMERS	17	19	19	21	21	21	24	24	24	25	25	25	25	25	25

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHA AM	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
2.	CHUM PHON	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
3.	PHEICHA BURI	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
4.	PRACHOAPKHIRI KHAN	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
5.	PRAN BURI	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
6.	RANONG	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
7.	RATCHABURI 1	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	2 x 12.5	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0	1 x 12.5 1 x 25.0
8.	RATCHABURI 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
9.	SAMUT SONGKHAM	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
10.	HUA HIN						1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
11.	THAPSAKAE						1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
12.	LANG SUAN						1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	250.0	250.0	250.0	250.0	275.0	350.0	365.0	365.0	377.5	377.5	377.5	377.5	377.5	377.5	377.5
	NO. OF SUBSTATIONS	9	9	9	9	9	12	12	12	12	12	12	12	12	12	12
	NO. OF BANKS	10	10	10	10	11	14	14	14	15	15	15	15	15	15	15
	NO. OF TRANSFORMERS	12	12	12	12	12	15	15	15	15	15	15	15	15	15	15



NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHIEW LAN	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5
2.	KRABI	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
3.	KHANOM	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
4.	LAMPOORA	4 x 7.5	4 x 7.5	4 x 7.5	4 x 7.5	4 x 7.5	4 x 7.5	3 x 7.5 1 x 25.0	3 x 7.5 1 x 25.0	3 x 7.5 1 x 25.0	3 x 7.5 1 x 25.0	3 x 7.5 1 x 25.0	3 x 7.5 1 x 25.0	2 x 7.5 2 x 25.0	2 x 7.5 2 x 25.0	2 x 7.5 2 x 25.0
5.	NAKHON SI THAMMARAT	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0	2 x 40.0
6.	PHANGGA	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 13.0	1 x 25.0	1 x 25.0	1 x 25.0
7.	PHUKET 1	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
8.	PHUKET 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
9.	PHUNPHIN	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5	1 x 40.0 1 x 31.5
10.	TAKUA PA	1 x 6.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
11.	THUNG SONG	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 13.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
12.	SURAT THANI		1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	314.0	333.0	333.0	358.0	358.0	358.0	375.5	390.5	390.5	469.5	469.5	469.5	499.0	499.0	499.0
	NO. OF SUBSTATIONS	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12
	NO. OF BANKS	14	14	14	15	15	15	16	16	16	18	18	18	19	19	19
	NO. OF TRANSFORMERS	18	18	18	19	19	19	19	19	19	20	20	20	20	20	20

(UNIT: MVA)

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BANG LANG	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 7.5	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
2.	HAT YAI 1	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 1 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0	1 x 40.0 2 x 25.0
3.	HAT YAI 2	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
4.	NARATHWAT	1 x 25.0	1 x 25.0	1 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0
5.	PHATTHALUNG	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
6.	SADAO	1 x 7.5	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
7.	SONG KHLA	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	2 x 25.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 25.0 1 x 40.0	1 x 50.0 1 x 40.0	1 x 50.0 1 x 40.0	1 x 50.0 1 x 40.0	1 x 50.0 1 x 40.0	1 x 50.0 1 x 40.0
8.	YALA	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0	1 x 31.5 1 x 25.0
9.	PATTANI		2 x 25.0	2 x 25.0	2 x 25.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0 1 x 50.0	1 x 25.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0	2 x 50.0
10.	SATUN		1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 40.0	1 x 40.0	1 x 40.0	1 x 40.0
11.	RANOT						1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0	1 x 25.0
	CAPACITY (MVA)	261.5	354.0	354.0	379.0	404.0	429.0	429.0	444.0	469.0	469.0	551.5	566.5	591.5	591.5	591.5
	NO. OF SUBSTATIONS	8	10	10	10	10	11	11	11	11	11	11	11	11	11	11
	NO. OF BANKS	11	14	14	15	15	16	16	16	16	16	17	17	18	18	18
	NO. OF TRANSFORMERS	11	14	14	15	15	16	16	16	16	16	17	17	18	18	18

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHIANG MAI 1	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4
2.	CHIANG MAI 2	9	9	9	9	9	9	9	9	9	9	9	9	11	11	11
3.	CHIANG MAI 3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4.	CHIANG RAI	7	7	7	7	8	8	8	8	8	8	8	10	10	10	10
5.	LAMPHUN 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6.	LAMPHUN 2	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
7.	LAM PANG 1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8.	LAM PANG 2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9.	FANG	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10.	MAE HONG SON	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11.	MAE MHAO 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12.	MAE SARING	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13.	PHAYAO	4	4	4	4	7	7	7	7	7	7	7	7	7	7	7
14.	THOEN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15.	MAE NGAT		2	2	2	2	2	2	2	2	2	2	2	2	2	2
16.	CHOM THONG		4	4	4	4	4	4	4	4	4	4	4	4	4	4
17.																
18.																
19.																
	TOTAL	56	62	62	62	66	66	66	66	66	66	66	68	71	71	71

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BHUMIBOL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.	KAMPHAENG PHET	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5
3.	NAN	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4
4.	PHARE	5	5	5	5	8	8	8	8	8	8	8	8	8	8	8
5.	PHICHIT	3	3	3	3	6	6	6	6	6	6	6	6	6	6	6
6.	PHITSANULOK 1	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8
7.	PHITSANULOK 2	2	2	2	2	2	2	2	2	5	5	5	5	5	5	5
8.	SIRIKIT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9.	SUKHO THAI	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6
10.	TAK	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11.	UTTARADIT	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6
12.	SAWAN KHALOK					4	4	4	4	4	4	4	4	4	4	4
13.	MAE SOT						4	4	4	4	4	4	4	4	4	4
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	39	39	39	39	52	56	56	56	59	59	59	60	60	62	62

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	LOP BURI 1	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7
2.	LOP BURI 2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
3.	MANOROM	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4.	NAKHON SAWAN	6	6	6	6	6	10	10	10	10	10	10	10	10	10	10
5.	PHECHABUN	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6.	SING BURI	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7.	TAKHLI 2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8.	LOMSAK		4	4	4	4	4	4	4	4	4	4	4	4	4	4
9.	CHAI BADAN		4	4	4	4	4	4	4	4	4	4	4	4	4	4
10.	THATAKO		4	4	4	4	4	4	4	4	4	4	4	4	4	4
11.	SALORKEAT		4	4	4	4	4	4	4	4	4	4	4	4	4	4
12.	BANG MUN NAK		4	4	4	4	4	4	4	4	4	4	4	4	4	4
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	34	42	42	50	54	60	60	60	60	60	60	60	60	60	60

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
1.	CHUM PHAE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
2.	KHON KHAEN 1	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8
3.	LOEI	5	5	5	5	9	9	9	9	9	9	9	9	9	9	9	9
4.	NAKHON PHANOM	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5.	NAM PHONG	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4
6.	NAM PHUNG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7.	NONG KHAI	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7
8.	PHANG KHON	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9.	SAKON NAKHON	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10.	THAT PHANOM	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11.	UDON THANI 1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12.	UDON THANI 2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13.	BUNG KAN		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14.	KHON KHAEN 2		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
15.	BAN PHAI																
16.																	
17.																	
18.																	
19.																	
	TOTAL	47	55	55	59	69	69	69	69	69	69	73	75	75	79	79	79

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	KALASIN	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5
2.	MAHA SARAKHAM	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
3.	MUKDAHAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4.	ROIET	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5.	SIRINDHON	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6.	SISAKET	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
7.	SOMDET	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8.	UBON RATCHATHANI 1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
9.	YASOTHON	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6
10.	ANNAT CHARDEN															
11.																
12.																
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	36	36	40	40	47	47	47	47	47	54	54	55	55	55	55

(UNIT: cct)

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BURI RAM	5	5	5	8	8	8	8	8	8	8	8	8	8	8	8
2.	CHAIYA DHUM	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3.	NAKHON RACHASIMA 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4.	NAKHON RACHASIMA 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5.	PAK CHONG	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6
6.	PHON	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6
7.	SHIKHU	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
8.	SURIN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
9.	PHIMAI				4	4	4	4	4	4	4	4	4	4	4	4
10.	PRACHONCHAI					4	4	4	4	4	4	4	4	4	4	4
11.																
12.																
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	50	50	50	59	63	63	64	64	64	64	64	64	64	64	64



NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	ANG THONG 1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2.	ANG THONG 2	4	4	6	6	6	6	6	6	6	6	6	6	6	6	6
3.	AYUTTAYA 1	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5
4.	BANG KHAN	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8
5.	BAN MAI	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6.	BAN PA IN	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7.	PRACHIN BURI	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8.	PATHUM THANI	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9.	SARABURI 1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10.	SARABURI 2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
11.	SARABURI 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
12.	SARABURI 4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13.	THALAN	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
14.	THANYA BURI		4	4	4	4	4	4	4	4	4	4	4	4	4	4
15.	WATHEANA NAKHON		4	4	4	4	4	4	4	4	4	4	4	4	4	4
16.	PRAPHUTTHABAT															
17.	NAKHONNAYOK															
18.	AYUTTHAYA 2															
19.	NAVANAKHON															
	TOTAL	75	87	89	97	107	107	111	115	115	115	115	116	116	116	116

(UNIT: cct)

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	AO PHAI	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4
2.	BAN BUNG	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7
3.	BANG LAMUNG	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9
4.	CHON BURI	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9
5.	CHACHOENGSAO	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8
6.	CHANTRABURI	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10
7.	KLAENG	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8.	RAYONG 1	5	5	5	9	9	9	9	9	9	9	9	9	9	9	9
9.	RAYONG 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10.	RAYONG 3	4	4	8	8	10	10	10	10	10	10	10	10	10	10	10
11.	SRIRACHA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
12.	TRAT		4	4	4	4	4	4	4	4	4	4	4	4	4	4
13.	PHANOM SARAKHAM			4		4	4	4	4	4	4	4	4	4	4	4
14.	PHANUTNIKHOM						4	4	4	4	4	4	4	4	4	4
15.																
16.																
17.																
18.																
19.																
	TOTAL	58	62	66	70	82	86	86	89	90	90	90	90	90	90	90

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BANG PONG 1	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8
2.	BANG PONG 2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
3.	KANCHANA BURI	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
4.	KAMPHAENG SAEN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5.	NAKHON CHAISI	6	7	7	7	7	7	7	7	7	8	8	9	9	9	9
6.	SAM PHRAN 1	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
7.	SAMUT SAKHON 1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8.	SAMUT SAKHON 2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
9.	SUPHAN BURI	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
10.	THAMUANG	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11.	SAM PHRAN 2				6	6	6	10	10	10	10	10	10	10	10	10
12.	DOEMBANG NANGBUAT				4	4	4	4	4	4	4	4	4	4	4	4
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	67	69	69	80	80	80	86	86	86	87	87	88	88	88	88

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHA AM	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2.	CHUM PHON	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3.	PHETCHA BURI	4	4	4	4	6	6	6	6	6	6	6	6	6	6	6
4.	PRACHOAPKHIRI KHAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5.	FRAN BURI	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6.	RANONG	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7.	RATCHABURI 1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
8.	RATCHABURI 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9.	SAMUT SONGKHAM	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10.	HUA HIN						4	4	4	4	4	4	4	4	4	4
11.	THAPSAKAE						4	4	4	4	4	4	4	4	4	4
12.	LANG SUAN						4	4	4	4	4	4	4	4	4	4
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	34	34	34	34	36	48	48	48	48	48	48	48	48	48	48

(UNIT: cct)

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	CHIEW LAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.	KBABI	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3.	KHANOM	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
4.	LAMPOORA	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5
5.	NAKHON SI THAMARAT	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6.	PHANGNGA	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
7.	PHUKET 1	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8.	PHUKET 2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
9.	PHUNPHIN	4	4	4	4	4	5	5	6	6	6	7	7	8	8	9
10.	TAKUA PA	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
11.	THUNG SONG	3	3	3	3	5	5	5	5	5	5	5	5	5	5	5
12.	SURAT THANI				4	4	4	4	4	4	4	4	4	4	4	4
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	35	35	35	39	43	44	44	45	45	45	46	47	50	50	51

NO.	SUBSTATION NAME	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1.	BANG LANG	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.	HAT YAI 1	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
3.	HAT YAI 2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4.	NARATHIWAT	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5.	PHATTHALUNG	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6.	SADAO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7.	SONG KHLA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8.	YALA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
9.	PATTANI		5	5	5	7	7	7	7	10	10	10	10	10	10	10
10.	SATUN		4	4	4	4	4	4	4	4	4	4	4	4	4	4
11.	RANOT						4	4	4	4	4	4	4	4	4	4
12.																
13.																
14.																
15.																
16.																
17.																
18.																
19.																
	TOTAL	33	42	42	42	46	50	50	51	54	54	57	57	57	57	57

ANNEX 5-3 INTERCONNECTION OF H.V. DISTRIBUTION LINE

Region	1986		1987		1988		1989		1990		1991		1992		1993		1994		1995	
	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)
CMA, CMB, CMC LNA, LNB LPA, LPB	20	335.9	20	356.4	20	388.8	20	428.4	20	474.5	20	529.1	20	586.5	20	644.5	20	701.5	20	759.9
	15	125.9	15	133.7	15	145.8	15	160.7	15	178.0	15	198.4	15	220.0	15	241.7	15	263.1	15	285.0
	35	461.8	35	490.1	35	534.6	35	589.1	35	652.5	35	727.5	35	806.5	35	886.2	35	964.6	35	1,044.9
PLA, PLB STA, SWA	4	79.4	4	86.8	4	93.5	4	100.4	8	152.6	8	163.3	8	173.9	8	184.3	10	206.3	10	216.8
	5	49.6	5	54.2	5	58.5	5	62.8	12	114.5	12	122.5	12	130.4	12	138.3	13	134.1	13	141.0
	9	129.0	9	141.0	9	152.0	9	163.2	20	267.1	20	285.8	20	304.3	20	322.6	23	340.4	23	357.8
LBA, LBB MRA TKB NSA SZA	6	124.5	6	138.0	6	139.7	10	266.8	10	284.4	14	334.9	14	354.6	14	374.0	14	393.4	14	412.4
	12	124.4	12	138.0	12	139.6	18	240.2	18	255.9	20	239.2	20	253.2	20	267.1	20	281.0	20	294.5
	18	248.9	18	276.0	18	279.3	28	507.0	28	540.3	34	574.1	34	607.8	34	641.1	34	674.4	34	706.9
UDA, UDB KKA, KKB	4	106.9	8	220.7	8	238.2	8	256.1	10	300.4	10	320.6	10	340.7	10	360.1	10	379.0	10	397.1
	6	80.1	12	165.5	12	178.7	12	192.1	12	180.2	12	192.4	12	204.4	12	216.1	12	227.4	12	238.2
	10	187.0	20	386.2	20	416.9	20	448.2	22	480.6	22	513.0	22	545.1	22	576.2	22	606.4	22	635.3
REA MKA KLA	4	76.8	4	90.0	6	109.1	6	120.9	6	133.3	6	146.1	6	159.6	6	173.3	6	187.5	8	219.3
	8	76.8	8	89.9	10	91.0	10	100.7	10	111.1	10	121.8	10	133.0	10	144.5	10	156.2	11	150.7
	12	153.6	12	179.9	16	200.1	16	221.6	16	244.4	16	267.9	16	292.6	16	317.8	16	343.7	19	370.0
NRA, NRB SFA	8	196.3	8	212.8	8	226.4	8	240.3	8	254.7	8	268.9	8	283.0	8	296.5	8	309.5	8	321.8
	18	220.9	18	239.3	18	254.8	18	270.4	18	286.5	18	302.6	18	318.4	18	333.5	18	348.2	18	362.0
	26	417.2	26	452.1	26	481.2	26	510.7	26	541.2	26	571.5	26	601.4	26	630.0	26	657.7	26	683.8

Region	1986		1987		1988		1989		1990		1991		1992		1993		1994		1995	
	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)	cct	Energy (GWh)
ATA, ATB AYA, AYB SRA, SRB, SRC SRD BKA, BMA PQA	22	1,038.0	26	1,209.1	28	1,563.6	28	1,650.2	32	1,811.9	32	1,886.3	34	1,966.9	36	2,051.2	36	2,136.5	36	2,225.8
	26	613.4	30	697.5	30	837.6	30	884.0	35	990.9	35	1,031.6	37	1,070.2	39	1,111.1	39	1,157.3	39	1,205.7
	48	1,651.4	56	1,906.6	58	2,401.2	58	2,534.2	67	2,802.8	67	2,917.9	71	3,037.1	75	3,162.3	75	3,293.8	75	3,431.5
APA BLA SCA RAA, RAB, RAC T	14	401.7	14	468.9	14	485.0	16	785.4	16	792.0	16	798.7	16	832.8	16	868.0	16	904.4	16	941.8
	12	172.2	12	201.0	16	277.2	18	441.8	23	497.9	23	574.0	23	598.5	23	623.9	23	650.1	23	676.9
	26	573.9	26	669.9	30	762.2	34	1,227.2	39	1,289.9	39	1,372.7	39	1,431.3	39	1,491.9	39	1,554.5	39	1,618.7
KCA TMA BPA, BPB NCA SAA, SAB SMA, SNB	26	919.7	26	973.0	26	1,051.8	28	1,103.6	28	1,189.8	28	1,279.4	32	1,415.8	32	1,513.6	32	1,613.9	32	1,699.3
	31	548.3	32	598.8	32	647.3	37	729.2	37	786.1	37	845.3	39	862.8	39	922.4	39	983.4	40	1,062.0
	57	1,468.0	58	1,571.8	58	1,699.1	65	1,832.8	65	1,975.9	65	2,124.7	71	2,278.6	71	2,436.0	71	2,597.3	72	2,761.3
RBA, RBB SSA PBA CAA BUA PNA	6	170.2	6	188.3	6	234.6	6	253.1	8	313.4	14	450.2	14	483.4	14	517.5	14	552.2	14	587.3
	13	184.3	13	204.0	13	254.1	13	274.2	13	254.7	15	241.2	15	258.9	15	277.2	15	295.8	15	314.6
	19	354.5	19	392.3	19	488.7	19	527.3	21	568.1	29	691.4	29	742.3	29	794.7	29	848.0	29	901.9
PKA, PKB PPA SNA	4	77.0	4	84.1	4	89.4	8	209.8	8	224.0	8	229.6	8	243.7	8	248.7	8	262.3	8	275.8
	6	57.8	6	63.0	6	67.1	10	131.1	10	140.0	11	157.9	11	167.6	12	186.5	12	196.7	12	206.8
	10	134.8	10	147.1	10	156.5	18	340.9	18	364.0	19	387.5	19	411.3	20	435.2	20	459.0	20	482.6
HYA, HYB SLA	6	186.8	6	192.5	6	211.5	6	230.0	6	249.5	6	270.3	6	292.3	6	301.4	6	324.2	6	347.9
	10	155.7	10	160.5	10	176.2	10	191.6	10	208.0	10	225.3	10	243.5	11	276.2	11	297.2	11	319.0
	16	342.5	16	353.0	16	387.7	16	421.6	16	457.5	16	495.6	16	535.8	17	577.6	17	621.4	17	665.9

Note: A: Interconnected Feeder B: Radial Feeder T: Total Feeder



Region	Main Line						Sub-total No. of units	Branch Line No. of units	Total No. of units
	1 unit/feeder		2 units or more/ feeder		No. of units				
	No. of feeders	No. of units	No. of feeders	No. of units	No. of feeders	No. of units			
N1	4	4	8	19	12	23	11	34	
N2	13	13	6	13	19	26	11	37	
N3	7	7	9	19	16	26	7	33	
NE1	11	11	17	55	28	66	6	72	
NE2	16	16	11	33	27	49	10	59	
NE3	11	11	12	28	23	39	3	42	
C1	6	6	4	9	10	15	7	22	
C2	12	12	1	3	13	15	9	24	
C3	5	5	2	4	7	9	10	19	
S1	8	8	4	9	12	17	9	26	
S2	9	9	5	10	14	19	3	22	
S3	6	6	6	21	12	27	3	30	
Total	108	108	85	223	193	331	89	420	

ANNEX 5-5-1 REQUIRED NUMBER OF SECTIONALIZERS (1994)

Region	No. of Interconnected feeders A	No. of Radial feeders B	No. of feeders with reclosers				No. of sectionalizers		
			1 unit on main line C	2 units or more on main line D			Case 1 1.5A + B - C - D	Case 2 2.5A + B - C - D	Case 3 2.5A + 2B - C - 2D
N1	20	39	4	8	57	77	108		
N2	10	48	13	6	44	54	96		
N3	14	46	7	9	51	65	102		
NE1	10	58	11	17	45	55	96		
NE2	6	41	16	11	23	29	59		
NE3	8	56	11	12	45	53	97		
C1	36	79	6	4	123	159	234		
C2	16	74	12	1	85	101	174		
C3	32	54	5	2	95	127	179		
S1	14	34	8	4	43	57	87		
S2	8	37	9	5	35	43	75		
S3	6	48	6	6	45	51	93		
Total	180	614	108	85	691	871	1,400		

Region	No. of Interconnected feeders A	No. of Radial feeders B	No. of feeders with reclosers		No. of sectionalizers		
			1 unit on main line C	2 units or more on main line D	Case 1	Case 2	Case 3
					1.5A + B - C - D	2.5A + B - C - D	2.5A + 2B - C - 2D
N1	20	44	4	8	62	82	118
N2	10	51	13	6	47	57	102
N3	14	46	7	9	51	65	102
NE1	10	68	11	17	55	65	116
NE2	8	47	16	11	32	40	76
NE3	8	56	11	12	45	53	97
C1	36	80	6	4	124	160	236
C2	16	74	12	1	85	101	174
C3	32	56	5	2	97	129	183
S1	14	34	8	4	43	57	87
S2	8	43	9	5	41	49	87
S3	6	51	6	6	48	54	99
Total	182	650	108	85	730	912	1,477

NO.	REGION N1	NO. OF UNITS	REGION N2	NO. OF UNITS	REGION N3	NO. OF UNITS
1.	CHIANG MAI 1	3	KAMPHAENG PHET	4	LOP BURI 1	7
2.	CHIANG MAI 2	9	NAN	3	LOP BURI 2	6
3.	CHIANG MAI 3	4	PHARE	8	MANOROM	4
4.	CHIANG RAI	8	PHICHIT	6	NAKHON SAWAN	10
5.	LAMPHUN 1	2	PHITSANULOK 1	8	PHETCHABUN	7
6.	LAMPHUN 2	8	PHITSANULOK 2	5	SING BURI	3
7.	LAM PANG 1	5	SIRIKIT	1	TAKHLI 2	3
8.	LAM PANG 2	4	SUKHO THAI	6	LOMSAK	4
9.	PHAYAO	7	TAK	4	CHAI BADAN	4
10.	THOEN	3	UTTARADIT	5	THATAKO	4
11.	MAE NGAT	2	SAWAN KHALOK	4	SALOKBAT	4
12.	CHOM THONG	4	MAE SOT	4	BANG MUN NAK	4
13.						
14.						
15.						
16.						
17.						
18.						
19.						
	CIRCUIT BREAKER	59	CIRCUIT BREAKER	58	CIRCUIT BREAKER	60
	CASE 1	57	CASE 1	44	CASE 1	51
	CASE 2	77	CASE 2	54	SECTIONALIZER	65
	CASE 3	108	CASE 3	96	CASE 3	102
TOTAL	RECLOSER	34	RECLOSER	37	RECLOSER	33

NO.	REGION NE1	NO. OF UNITS	REGION NE2	NO. OF UNITS	REGION NE3	NO. OF UNITS
1.	CHUN PHAE	5	KALASIN	4	BURI RAM	8
2.	KHON KHAEN 1	8	MAHA SARAKHAM	6	CHAIYA DHUM	5
3.	LOEI	9	MUKDAHAN	3	NAKHON RACHASIMA 1	10
4.	NAKHON PHANOM	3	ROIET	6	NAKHON RACHASIMA 2	10
5.	NAM PHONG	4	SIRINDHON	2	PAK CHONG	6
6.	NONG KHAI	7	SISAKET	4	PHON	6
7.	PHANG KHON	4	SOMDET	6	SHIKHIU	6
8.	SAKON NAKHON	4	UBON RATCHATHANI 1	6	SURIN	5
9.	THAT PHANOM	2	YASOTHON	6	PHIMAI	4
10.	UDON THANI 1	4	AMNAT CHARDEN	4	PRAKHONCHAI	4
11.	UDON THANI 2	6				
12.	BUNG KAN	4				
13.	KHON KHAEN 2	4				
14.	BAN PHAI	4				
15.						
16.						
17.						
18.						
19.						
	CIRCUIT BREAKER	68	CIRCUIT BREAKER	47	CIRCUIT BREAKER	64
TOTAL	CASE 1	45	CASE 1	23	CASE 1	45
	CASE 2	55	CASE 2	29	CASE 2	53
	CASE 3	96	CASE 3	59	CASE 3	97
	SECTIONALIZER		SECTIONALIZER		SECTIONALIZER	
	RECLOSER	72	RECLOSER	59	RECLOSER	42

NO.	REGION C1	NO. OF UNITS	REGION C2	NO. OF UNITS	REGION C3	NO. OF UNITS
1.	ANG THONG 1	3	AO PHAI	4	BANG PONG 1	8
2.	ANG THONG 2	6	BAN BUNG	7	BANG PONG 2	9
3.	AYUTTHAYA 1	4	BANG LAMUNG	9	KANCHANA BURI	7
4.	BANG KHAN	8	CHON BURI	9	KAMPHAENG SAEN	5
5.	BAN MAI	8	CHACHOENGSAO	8	NAKHON CHAISI	7
6.	BAN PA IN	6	CHANTHABURI	10	SAM PHRAN 1	8
7.	PRACHIN BURI	10	KLAENG	5	SAMUT SAKHON 1	10
8.	PATHUM THANI	8	RAYONG 1	9	SAMUT SAKHON 2	6
9.	SARABURI 1	9	RAYONG 2	2	SUPHAN BURI	6
10.	SARABURI 2	9	RAYONG 3	10	THAMUANG	6
11.	SARABURI 3	3	SRIRACHA	5	SAM PHRAN 2	10
12.	SARABURI 4	5	TRAT	4	DOEMBANG NANGBUAT	4
13.	THALAN	7	PHANOM SARAKHAM	4		
14.	THANYA BURI	8	PHANUTNIKHOM	4		
15.	WATTHANA NAKHON	4				
16.	PRAPHUTTHABAT	4				
17.	NAKHONNAYOK	4				
18.	AYUTTHAYA 2	4				
19.	NAVANAKHON	5				
	CIRCUIT BREAKER	115	CIRCUIT BREAKER	90	CIRCUIT BREAKER	86
	CASE 1	123	CASE 1	85	CASE 1	95
	CASE 2	159	CASE 2	101	SECTIONALIZER	127
	CASE 3	234	CASE 3	174	CASE 2	179
	SECTIONALIZER	22	SECTIONALIZER	24	CASE 3	
	RECLOSER		RECLOSER		RECLOSER	19
TOTAL						

NO.	REGION S1	NO. OF UNITS	REGION S2	NO. OF UNITS	REGION S3	NO. OF UNITS
1.	CHA AM	5	CHIEW LAN	1	BANG LANG	1
2.	CHUM PHON	5	KRABI	2	HAT YAI 1	8
3.	PHETCHA BURI	6	KHANOM	1	HAT YAI 2	3
4.	PRACHOAPKHIRI KHAN	3	LAMPOORA	4	NARATHIWAT	6
5.	PRAN BURI	4	NAKHON SI THAMMARAT	6	PHATTHALUNG	4
6.	RANONG	3	PHANGNGA	3	SADAO	3
7.	RATCHABURI 1	4	PHUKET 1	7	SONG KHLA	6
8.	RATCHABURI 2	2	PHUKET 2	3	YALA	5
9.	SAMUT SONGKHRAM	4	PHUNPHIN	6	PATTANI	10
10.	HUA HIN	4	TAKUA PA	3	SATUN	4
11.	THAPSAKAE	4	THUNG SONG	5	RANOT	4
12.	LANG SUAN	4	SURAT THANI	4		
13.						
14.						
15.						
16.						
17.						
18.						
19.						
	CIRCUIT BREAKER	48	CIRCUIT BREAKER	45	CIRCUIT BREAKER	54
	CASE 1	43	CASE 1	35	CASE 1	45
	SECTIONALIZER	57	SECTIONALIZER	43	SECTIONALIZER	51
	CASE 2	87	CASE 2	75	CASE 2	93
	CASE 3	26	CASE 3	22	CASE 3	30
TOTAL						

SUBSTATION 12 S/S	NO. OF UNITS	MEASURED VALUE						STATUS INDICATION						LOCAL CONTROL	TOTAL
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G. R.		Re. Ry LOCK			
								INST.	DELAY	INST.	DELAY				
1. CHIANG MAI 1	4	12	4	4	2	22	4	12	4	4	4	4	4	1	41
2. CHIANG MAI 2	11	33	11	11	5	60	11	33	11	11	11	11	11	1	111
3. CHIANG MAI 3	4	12	4	4	2	22	4	12	4	4	4	4	4	1	41
4. CHIANG RAI	10	30	10	10	5	55	10	30	10	10	10	10	10	1	101
5. LAMPHUN 1	2	6	2	2	3	13	2	6	2	2	2	2	2	1	21
6. LAMPHUN 2	8	24	8	8	2	42	8	24	8	8	8	8	8	1	81
7. LAM PANG 1	5	15	5	5	3	28	5	15	5	5	5	5	5	1	51
8. LAM PANG 2	4	12	4	4	2	22	4	12	4	4	4	4	4	1	41
9. PHAYAO	7	21	7	7	3	38	7	21	7	7	7	7	7	1	71
10. THOEN	3	9	3	3	2	17	3	9	3	3	3	3	3	1	31
11. MAE NGAT	2	6	2	2	2	12	2	6	2	2	2	2	2	1	21
12. CHOM THONG	4	12	4	4	2	22	4	12	4	4	4	4	4	1	41
13.															
14.															
15.															
16.															
17.															
18.															
19.															
CIRCUIT BREAKER	64	192	64	64	33	353	64	192	64	64	64	64	64	12	652
SECTIONALIZER	CASE 1						62								62
	CASE 2						82								82
	CASE 3						118								118
RECLOSER	34					34								34	68



SUBSTATION 12 S/S	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION						LOCAL CONTROL	TOTAL	
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	OCR		G.R.		Re.Ry LOCK			
							INST.	DELAY	INST.	DELAY				
1. KAMPHAENG PHET	5	15	5	5	3	28	15	15	5	5	5	5	1	51
2. NAN	4	12	4	4	2	22	12	12	4	4	4	4	1	41
3. PHARE	8	24	8	8	3	43	24	24	8	8	8	8	1	81
4. PHICHIT	6	18	6	6	3	33	18	18	6	6	6	6	1	61
5. PHITSANULOK 1	8	24	8	8	3	43	24	24	8	8	8	8	1	81
6. PHITSANULOK 2	5	15	5	5	2	27	15	15	5	5	5	5	1	51
7. SIRIKIT	1	3	1	1	2	7	3	3	1	1	1	1	1	11
8. SUKHO THAI	6	18	6	6	3	33	18	18	6	6	6	6	1	61
9. TAK	4	12	4	4	3	23	12	12	4	4	4	4	1	41
10. UTTARADIT	6	18	6	6	3	33	18	18	6	6	6	6	1	61
11. SAWAN KHALOK	4	12	4	4	2	22	12	12	4	4	4	4	1	41
12. MAE SOT	4	12	4	4	2	22	12	12	4	4	4	4	1	41
13.														
14.														
15.														
16.														
17.														
18.														
19.														
CIRCUIT BREAKER	61	183	61	61	31	336	183	183	61	61	61	61	12	622
SECTIONALIZER	CASE 1	47							47					47
	CASE 2	57							57					57
	CASE 3	102							102					102
RECLOSER	37							37					74	

SUBSTATION 12 S/S	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION						LOCAL CONTROL	TOTAL	
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G.R.				Re.Ry LOCK
							INST.	DELAY	INST.	DELAY	INST.	DELAY		
1. LOP BURI 1	7	21	7	7	4	39	21	21	7	7	7	7	7	71
2. LOP BURI 2	6	18	6	6	2	32	18	18	6	6	6	6	6	61
3. MANOROM	4	12	4	4	3	23	12	12	4	4	4	4	4	41
4. NAKHON SAWAN	10	30	10	10	3	53	30	30	10	10	10	10	10	101
5. PHECHABUN	7	21	7	7	2	37	21	21	7	7	7	7	7	71
6. SING BURI	3	9	3	3	2	17	9	9	3	3	3	3	3	31
7. TAKHLI 2	3	9	3	3	2	17	9	9	3	3	3	3	3	31
8. LONSAK	4	12	4	4	2	22	12	12	4	4	4	4	4	41
9. CHAI BADAN	4	12	4	4	2	22	12	12	4	4	4	4	4	41
10. THATAKO	4	12	4	4	2	22	12	12	4	4	4	4	4	41
11. SALOKBAT	4	12	4	4	2	22	12	12	4	4	4	4	4	41
12. BANG MUN NAK	4	12	4	4	2	22	12	12	4	4	4	4	4	41
13.														
14.														
15.														
16.														
17.														
18.														
19.														
CIRCUIT BREAKER	60	180	60	60	28	328	180	180	60	60	60	60	60	612
SECTIONALIZER	CASE 1								51					51
	CASE 2								65					65
	CASE 3								102					102
RECLOSER	33								33					66

SUBSTATION 14 S/S	NO. OF UNITS	MEASURED VALUE			STATUS INDICATION						LOCAL CONTROL	TOTAL				
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G.R.			Re.By LOCK			
								INST.	DELAY	INST.	DELAY					
1. CHUN PHAE	5	15	5	5	3	28	5	15	15	5	5	5	5	5	1	51
2. KHON KHAEN 1	8	24	8	8	3	43	8	24	24	8	8	8	8	8	1	81
3. LOEI	9	27	9	9	3	48	9	27	27	9	9	9	9	9	1	91
4. NAKHON PHANOM	3	9	3	3	2	17	3	9	9	3	3	3	3	3	1	31
5. NAM PHONG	6	18	6	6	3	33	6	18	18	6	6	6	6	6	1	61
6. NONG KHAI	7	21	7	7	3	38	7	21	21	7	7	7	7	7	1	71
7. PHANG KHON	4	12	4	4	2	22	4	12	12	4	4	4	4	4	1	41
8. SAKON NAKHON	8	24	8	8	2	42	8	24	24	8	8	8	8	8	1	81
9. THAT PHANOM	2	6	2	2	2	12	2	6	6	2	2	2	2	2	1	21
10. UDON THANI 1	5	15	5	5	2	27	5	15	15	5	5	5	5	5	1	51
11. UDON THANI 2	7	21	7	7	3	38	7	21	21	7	7	7	7	7	1	71
12. BUNG KAN	4	12	4	4	2	22	4	12	12	4	4	4	4	4	1	41
13. KHON KHAEN 2	6	18	6	6	2	32	6	18	18	6	6	6	6	6	1	61
14. BAN PHAI	4	12	4	4	2	22	4	12	12	4	4	4	4	4	1	41
15.																
16.																
17.																
18.																
19.																
CIRCUIT BREAKER	78	234	78	78	34	424	78	234	234	78	78	78	78	78	14	794
SECTIONALIZER	CASE 1	55					55									55
	CASE 2	65					65									65
	CASE 3	116					116									116
RECLOSER	72						72							72		144

SUBSTATION 10 S/S	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION				LOCAL CONTROL	TOTAL				
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR				G.R.	Re.Ry LOCK		
								INST.	DELAY	INST.	DELAY	INST.	DELAY		
1. KALASIN	5	15	5	5	3	28	5	15	15	5	5	5	5	1	51
2. MAHA SARAKHAM	6	18	6	6	3	33	6	18	18	6	6	6	6	1	61
3. MUKDAHAN	3	9	3	3	2	17	3	9	9	3	3	3	3	1	31
4. ROJET	9	27	9	9	3	48	9	27	27	9	9	9	9	1	91
5. SIRINTHON	2	6	2	2	2	12	2	6	6	2	2	2	2	1	21
6. SISAKET	8	24	8	8	3	43	8	24	24	8	8	8	8	1	81
7. SOMDET	6	18	6	6	3	33	6	18	18	6	6	6	6	1	61
8. UBON RATCHATHANI 1	6	18	6	6	5	35	6	18	18	6	6	6	6	1	61
9. YASOTHON	6	18	6	6	3	33	6	18	18	6	6	6	6	1	61
10. ANNAT CHARDEN	4	12	4	4	2	22	4	12	12	4	4	4	4	1	41
11.															
12.															
13.															
14.															
15.															
16.															
17.															
18.															
19.															
CIRCUIT BREAKER	55	165	55	55	29	304	55	165	165	55	55	55	55	10	560
SECTIONALIZER	CASE 1	32					32								32
	CASE 2	40					40								40
	CASE 3	76					76								76
RECLOSER	59						59							59	118

SUBSTATION 10 S/S	NO. OF UNITS	MEASURED VALUE					STATUS INDICATION					LOCAL CONTROL	TOTAL	
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G.R.				Re.Ry LOCK
								INST.	DELAY	INST.	DELAY			
1. BURI RAM	8	24	8	3	43	8	24	8	24	8	8	8	1	81
2. CHAIYA DRUM	5	15	5	3	28	5	15	5	15	5	5	5	1	51
3. NAKHON RACHASIMA 1	10	30	10	4	54	10	30	10	30	10	10	10	1	101
4. NAKHON RACHASIMA 2	10	30	10	3	53	10	30	10	30	10	10	10	1	101
5. PAK CHONG	6	18	6	3	33	6	18	6	18	6	6	6	1	61
6. PHON	6	18	6	3	33	6	18	6	18	6	6	6	1	61
7. SHIKHIU	6	18	6	2	32	6	18	6	18	6	6	6	1	61
8. SURIN	5	15	5	3	28	5	15	5	15	5	5	5	1	51
9. PHIMAI	4	12	4	2	22	4	12	4	12	4	4	4	1	41
10. PRAKHONCHAI	4	12	4	2	22	4	12	4	12	4	4	4	1	41
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
CIRCUIT BREAKER	64	192	64	28	348	64	192	64	192	64	64	64	10	650
SECTIONALIZER	CASE 1					45								45
	CASE 2					53								53
	CASE 3					97								97
RECLOSER	42				42						42			84

SUBSTATION	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION				LOCAL CONTROL	TOTAL	
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR INST.	G.R. DELAY			Re.Ry LOCK
19 S/S												
1. ANG THONG 1	3	9	3	3	2	17	3	9	3	3	3	31
2. ANG THONG 2	6	18	6	6	3	33	6	18	6	6	6	61
3. AYUTHAYA 1	5	15	5	5	2	27	5	15	5	5	5	51
4. BANG KHAN	8	24	8	8	3	43	8	24	8	8	8	81
5. BAN MAI	8	24	8	8	3	43	8	24	8	8	8	81
6. BAN PA IN	6	18	6	6	3	33	6	18	6	6	6	61
7. PRACHIN BURI	10	30	10	10	3	53	10	30	10	10	10	101
8. PATHUM THANI	8	24	8	8	2	42	8	24	8	8	8	81
9. SARABURI 1	9	27	9	9	4	49	9	27	9	9	9	91
10. SARABURI 2	9	27	9	9	4	49	9	27	9	9	9	91
11. SARABURI 3	3	9	3	3	2	17	3	9	3	3	3	31
12. SARABURI 4	5	15	5	5	3	28	5	15	5	5	5	51
13. THALAN	7	21	7	7	3	38	7	21	7	7	7	71
14. THANYA BURI	8	24	8	8	3	43	8	24	8	8	8	81
15. WATTHANA NAKHON	4	12	4	4	2	22	4	12	4	4	4	41
16. PRAPRUTHABAT	4	12	4	4	2	22	4	12	4	4	4	41
17. NAKHONNAYOK	4	12	4	4	2	22	4	12	4	4	4	41
18. AYUTHAYA 2	4	12	4	4	2	22	4	12	4	4	4	41
19. NAVANAKHON	5	15	5	5	2	27	5	15	5	5	5	51
CIRCUIT BREAKER	116	348	116	116	50	630	116	348	116	116	116	1,179
CASE 1	124						124					124
CASE 2	160						160					160
CASE 3	236						236					236
SECTIONALIZER												
RECLOSER	22						22				22	44

SUBSTATION 14 S/S	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION						TOTAL			
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G.R			Re.BY LOCK	LOCAL CONTROL	
								INST.	DELAY	INST.	DELAY				
1. AO PHAI	4	12	4	4	2	22	4	12	12	4	4	4	4	1	41
2. BAN BUNG	7	21	7	7	3	38	7	21	21	7	7	7	7	1	71
3. BANG LAMUNG	9	27	9	9	4	49	9	27	27	9	9	9	9	1	91
4. CHON BURI	9	27	9	5	4	49	9	27	27	9	9	9	9	1	91
5. CHACHOENGSAO	8	24	8	8	3	43	8	24	24	8	8	8	8	1	81
6. CHANTHABURI	10	30	10	10	3	53	10	30	30	10	10	10	10	1	101
7. KLAENG	5	15	5	5	2	27	5	15	15	5	5	5	5	1	51
8. RAYONG 1	9	27	9	9	4	49	9	27	27	9	9	9	9	1	91
9. RAYONG 2	2	6	2	2	2	12	2	6	6	2	2	2	2	1	21
10. RAYONG 3	10	30	10	10	4	54	10	30	30	10	10	10	10	1	101
11. SRIRACHA	5	15	5	5	3	28	5	15	15	5	5	5	5	1	51
12. TRAT	4	12	4	4	2	22	4	12	12	4	4	4	4	1	41
13. PHANOM SARAKHAM	4	12	4	4	2	22	4	12	12	4	4	4	4	1	41
14. PHANUTNIKHOM	4	12	4	4	2	22	4	12	12	4	4	4	4	1	41
15.															
16.															
17.															
18.															
19.															
CIRCUIT BREAKER	90	270	90	90	40	490	90	270	270	90	90	90	90	14	914
SECTIONALIZER	CASE 1														85
	CASE 2	101													101
	CASE 3	174													174
RECLOSER	24												24		48

SUBSTATION 12 S/S	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION				LOCAL CONTROL	TOTAL				
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	OCR		G.R.			Re.Ry LOCK			
							INST.	DELAY	INST.				DELAY		
1. BANG PONG 1	8	24	8	8	4	44	8	24	24	8	8	8	8	1	81
2. BANG PONG 2	9	27	9	9	4	49	9	27	27	9	9	9	9	1	91
3. KANCHANA BURI	7	21	7	7	3	38	7	21	21	7	7	7	7	1	71
4. KAMPHAENG SAEN	5	15	5	5	2	27	5	15	15	5	5	5	5	1	51
5. NAKHON CHAISRI	9	27	9	9	4	49	9	27	27	9	9	9	9	1	91
6. SAM PHRAN 1	8	24	8	8	3	43	8	24	24	8	8	8	8	1	81
7. SAMUT SAKHON 1	10	30	10	10	3	53	10	30	30	10	10	10	10	1	101
8. SAMUT SAKHON 2	6	18	6	6	2	32	6	18	18	6	6	6	6	1	61
9. SUPHAN BURI	6	18	6	6	3	33	6	18	18	6	6	6	6	1	61
10. THAMUANG	6	18	6	6	3	33	6	18	18	6	6	6	6	1	61
11. SAM PHRAN 2	10	30	10	10	4	54	10	30	30	10	10	10	10	1	101
12. DOEMBANG NANGBUAT	4	12	4	4	2	22	4	12	12	4	4	4	4	1	41
13.															
14.															
15.															
16.															
17.															
18.															
19.															
CIRCUIT BREAKER	88	264	88	88	37	477	88	264	264	88	88	88	88	12	892
SECTIONALIZER	CASE 1						97								97
	CASE 2	129													129
	CASE 3	183													183
RECLOSER	19												19	38	

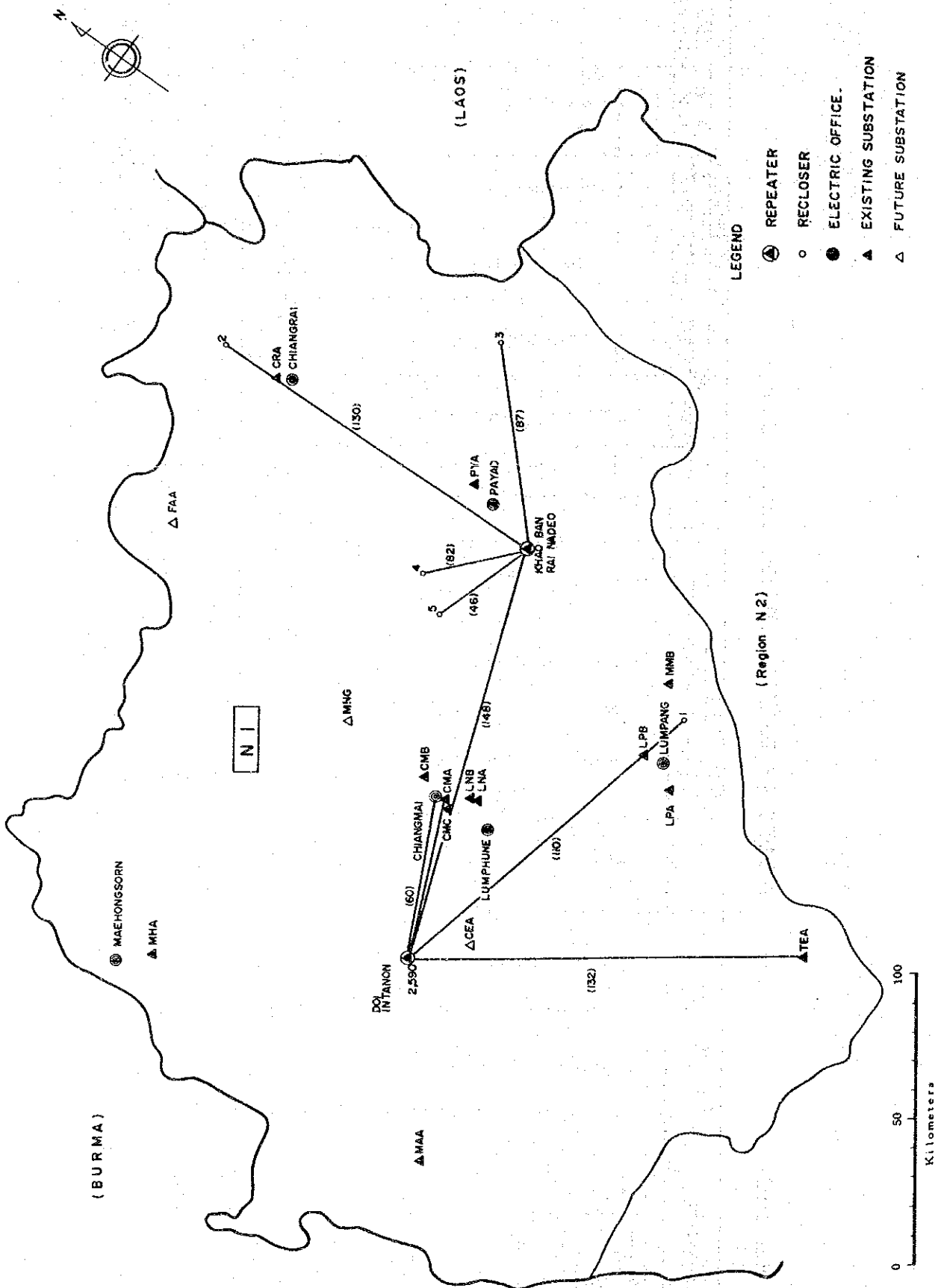


SUBSTATION 12 S/S	NO. OF UNITS	MEASURED VALUE					STATUS INDICATION					LOCAL CONTROL	TOTAL	
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G.R				Re.Ry LOCK
								INST.	DELAY	INST.	DELAY			
1. CHA AM	5	15	5	5	3	28	5	15	5	5	5	5	1	51
2. CHUM PHON	5	15	5	5	2	27	5	15	5	5	5	5	1	51
3. PHETCHA BURI	6	18	6	6	3	33	6	18	6	6	6	6	1	61
4. PRACHOAPKHIRI KHAN	3	9	3	3	2	17	3	9	3	3	3	3	1	31
5. PRAN BURI	4	12	4	4	2	22	4	12	4	4	4	4	1	41
6. RANONG	3	9	3	3	2	17	3	9	3	3	3	3	1	31
7. RATCHABURI 1	4	12	4	4	3	23	4	12	4	4	4	4	1	41
8. RATCHABURI 2	2	6	2	2	2	12	2	6	2	2	2	2	1	21
9. SAMUT SONGKHAM	4	12	4	4	2	22	4	12	4	4	4	4	1	41
10. HUA HIN	4	12	4	4	2	22	4	12	4	4	4	4	1	41
11. THAPSAKAE	4	12	4	4	2	22	4	12	4	4	4	4	1	41
12. LANG SUAN	4	12	4	4	2	22	4	12	4	4	4	4	1	41
13.														
14.														
15.														
16.														
17.														
18.														
19.														
CIRCUIT BREAKER	48	144	48	48	27	267	48	144	48	48	48	48	12	492
SECTIONALIZER	CASE 1						43							43
	CASE 2	57					57							57
	CASE 3	87					87							87
RECLOSER	26						26							52

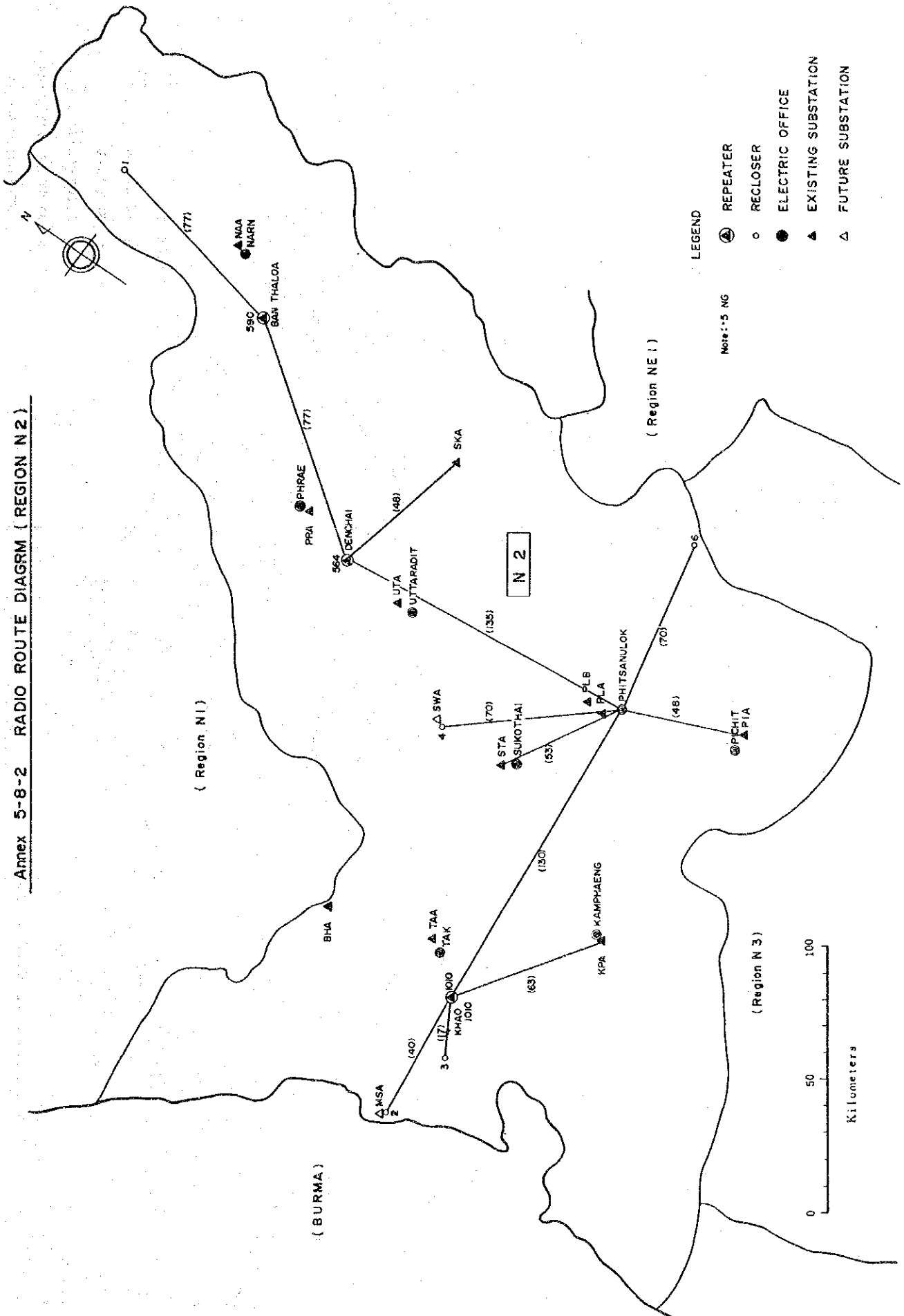
SUBSTATION 12 S/S	NO. OF UNITS	MEASURED VALUE			STATUS INDICATION			LOCAL CONTROL	TOTAL									
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF			OCR	G.R.	Re.Ry LOCK						
								INST.	DELAY	INST.	DELAY	INST.	DELAY					
1. CHIEN LAN	1	3	1	1	2	7	1	3	3	1	1	1	1	1	1	11		
2. KRABI	2	6	2	2	2	12	2	6	6	2	2	2	2	2	2	21		
3. KHANOM	2	6	2	2	2	12	2	6	6	2	2	2	2	2	21			
4. LAMPOORA	5	15	5	5	2	27	5	15	15	5	5	5	5	5	51			
5. NAKHON SI THAMMARAT	6	18	6	6	3	33	6	18	18	6	6	6	6	6	61			
6. PHANGNGA	3	9	3	3	2	17	3	9	9	3	3	3	3	3	31			
7. PHUKET 1	7	21	7	7	3	38	7	21	21	7	7	7	7	7	71			
8. PHUKET 2	4	12	4	4	2	22	4	12	12	4	4	4	4	4	41			
9. PHUNPHIN	9	27	9	9	3	48	9	27	27	9	9	9	9	9	91			
10. TAKUA PA	3	9	3	3	2	17	3	9	9	3	3	3	3	3	31			
11. THUNG SONG	5	15	5	5	2	27	5	15	15	5	5	5	5	5	51			
12. SURAT THANI	4	12	4	4	2	22	4	12	12	4	4	4	4	4	41			
13.																		
14.																		
15.																		
16.																		
17.																		
18.																		
19.																		
CIRCUIT BREAKER	51	153	51	51	27	282	51	153	153	51	51	51	51	51	51	522		
SECTIONALIZER	CASE 1						41									41		
	CASE 2						49									49		
	CASE 3						87									87		
RECLOSER	22						22								22	44		

SUBSTATION 11 S/S	NO. OF UNITS	MEASURED VALUE				STATUS INDICATION						LOCAL CONTROL	TOTAL	
		CURRENT	ACTIVE POWER	REACTIVE POWER	VOLTAGE	TOTAL	ON/OFF	OCR		G.R				Re.Ry LOCK
								INST.	DELAY	INST.	DELAY			
1. BANG LANG	1	3	1	1	2	7	1	3	1	1	3	1	1	11
2. HAT YAI 1	8	24	8	8	3	43	8	24	8	8	24	8	8	81
3. HAT YAI 2	3	9	3	3	2	17	3	9	3	3	9	3	3	31
4. NARATHIWAT	6	18	6	6	3	33	6	18	6	6	18	6	6	61
5. PHATTHALUNG	4	12	4	4	2	22	4	12	4	4	12	4	4	41
6. SADA0	3	9	3	3	2	17	3	9	3	3	9	3	3	31
7. SONG KELA	9	27	9	9	3	48	9	27	9	9	27	9	9	91
8. YALA	5	15	5	5	3	28	5	15	5	5	15	5	5	51
9. PATTANI	10	30	10	10	3	53	10	30	10	10	30	10	10	101
10. SATUN	4	12	4	4	2	22	4	12	4	4	12	4	4	41
11. RANOT	4	12	4	4	2	22	4	12	4	4	12	4	4	41
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
CIRCUIT BREAKER	57	171	57	57	27	312	57	171	57	57	171	57	57	581
CASE 1	48						48							48
CASE 2	54						54							54
CASE 3	99						99							99
RECLOSER	30						30						30	60

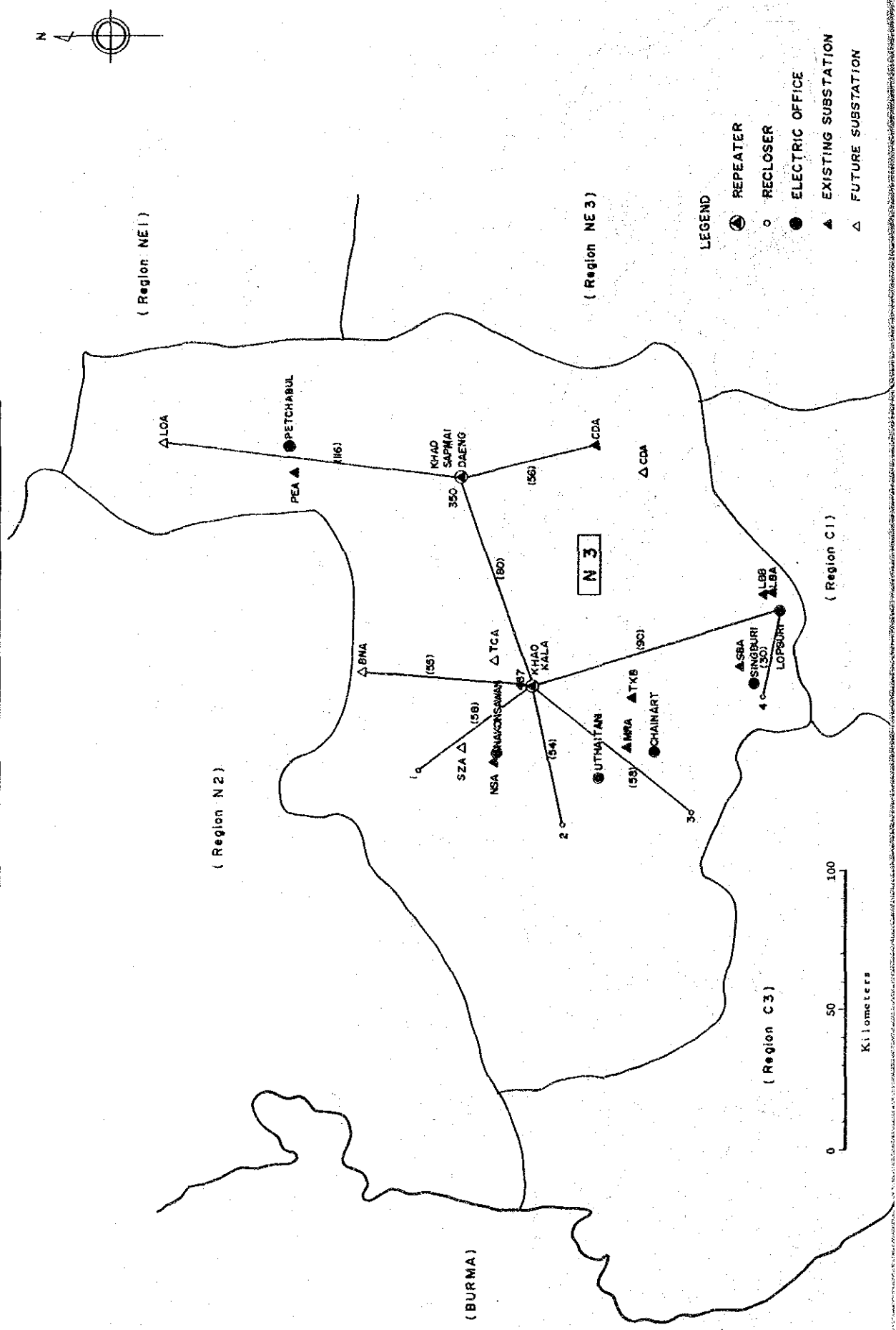
Annex 5-8-1 RADIO ROUTE DIAGRM ( REGION N 1 )



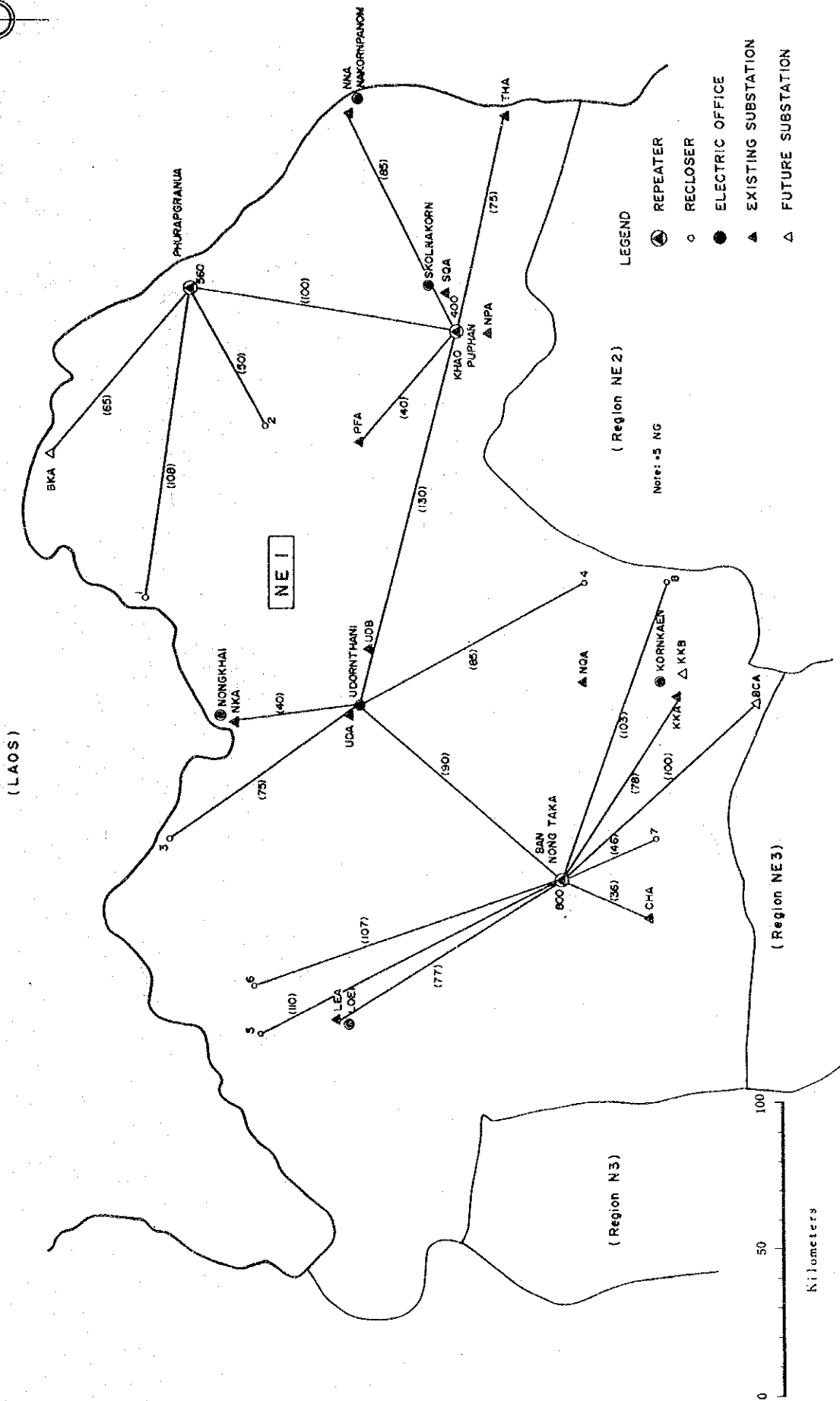
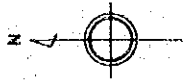
Annex 5-8-2 RADIO ROUTE DIAGRM ( REGION N 2 )



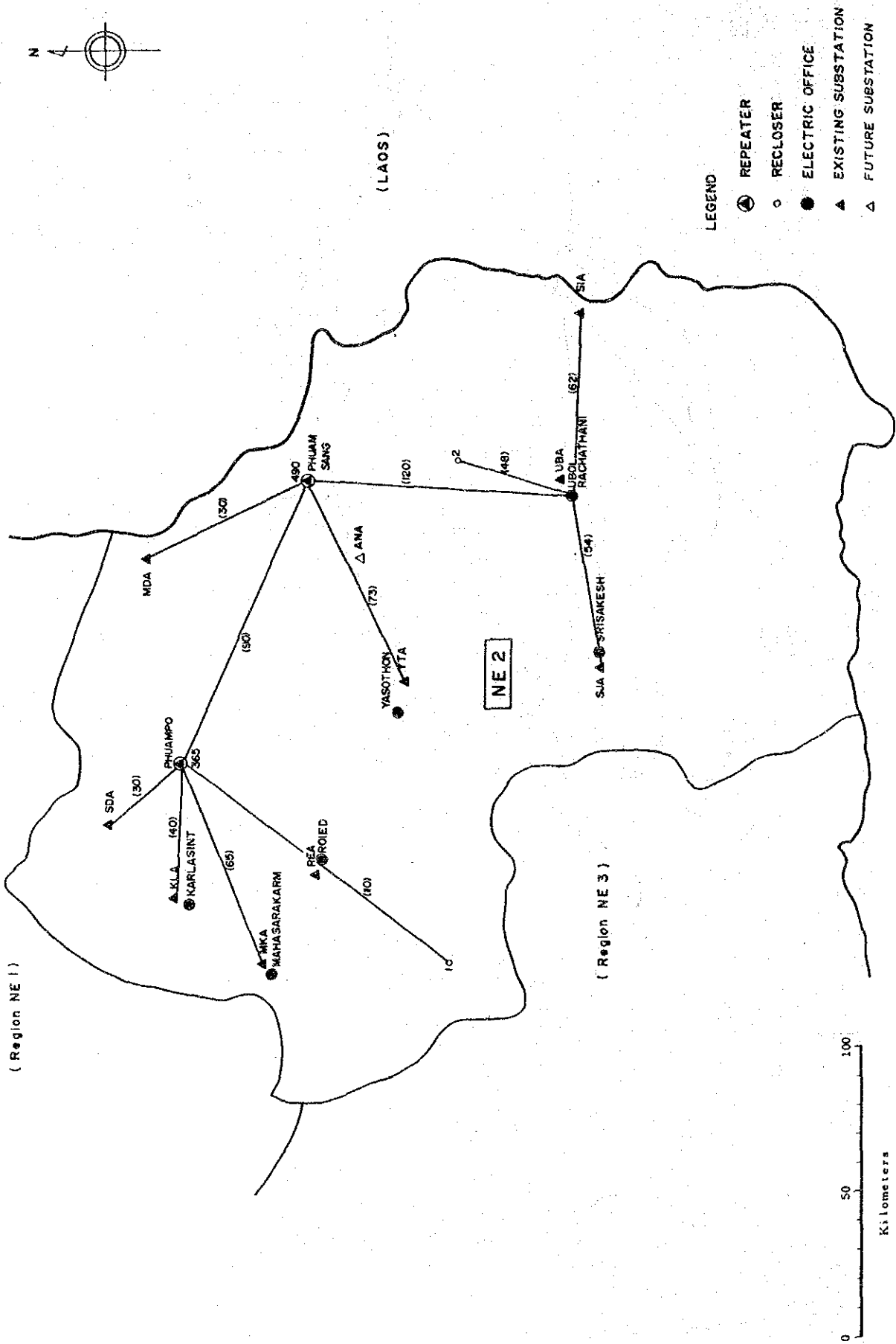
Annex 5-8-3 RADIO ROUTE DIAGRM ( REGION N3 )



Annex 5-8-4 RADIO ROUTE DIAGRM ( REGION NE1 )

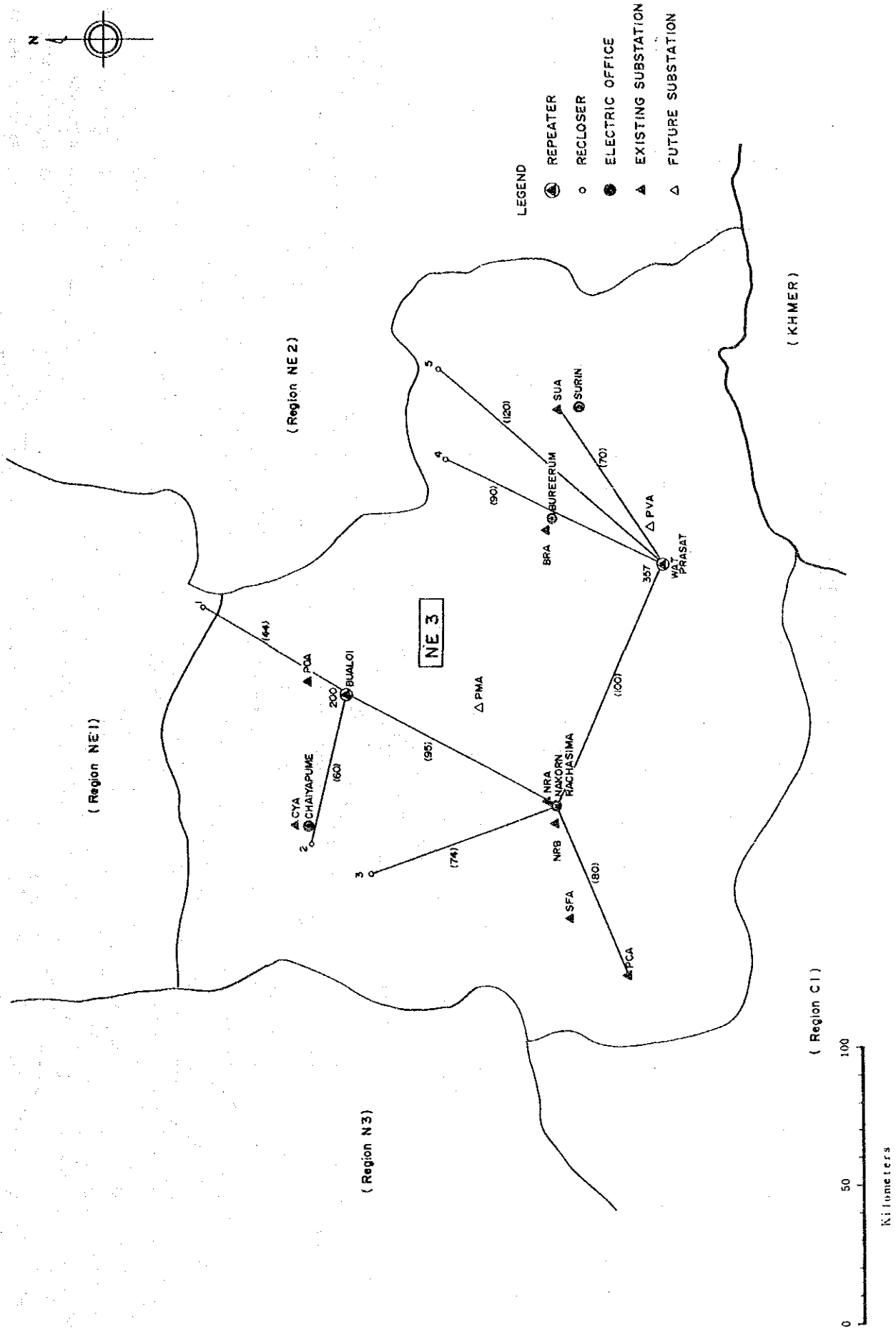


Annex 5-8-5 RADIO ROUTE DIAGRM ( REGION NE 2 )

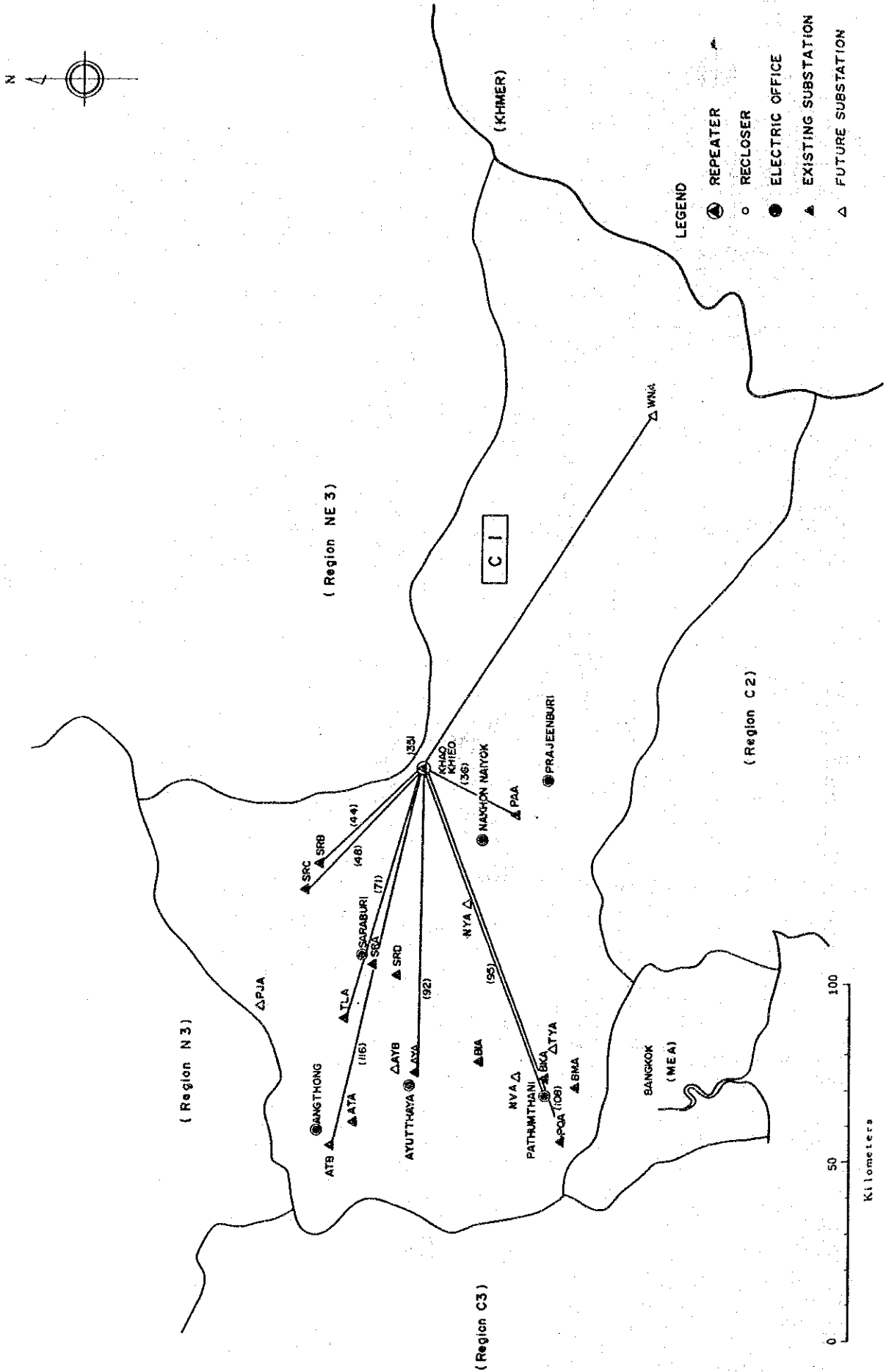




**Annex 5-8-6 RADIO ROUTE DIAGRM ( REGION NE3 )**

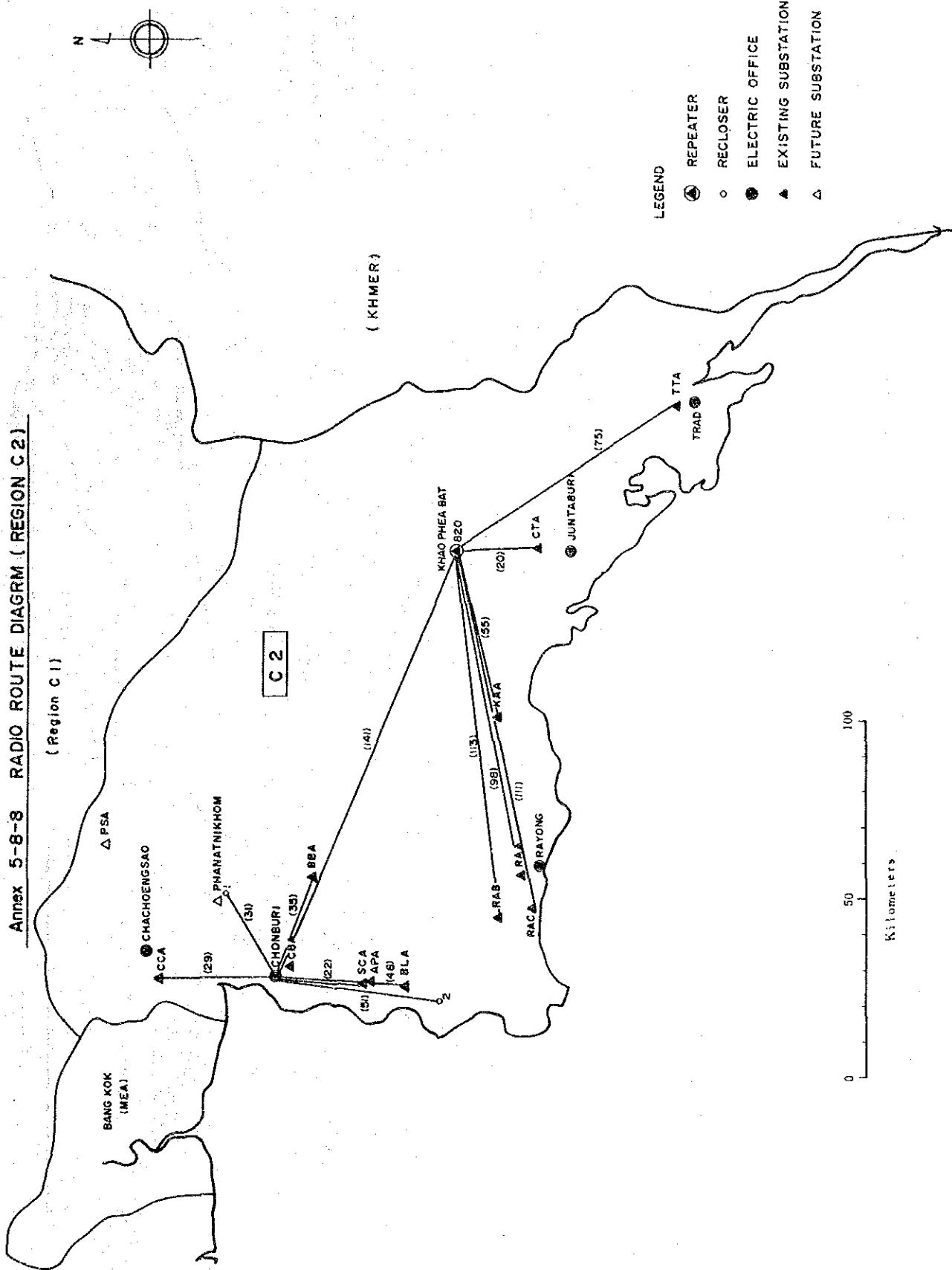


Annex 5-8-7 RADIO ROUTE DIAGRM ( REGION C1 )

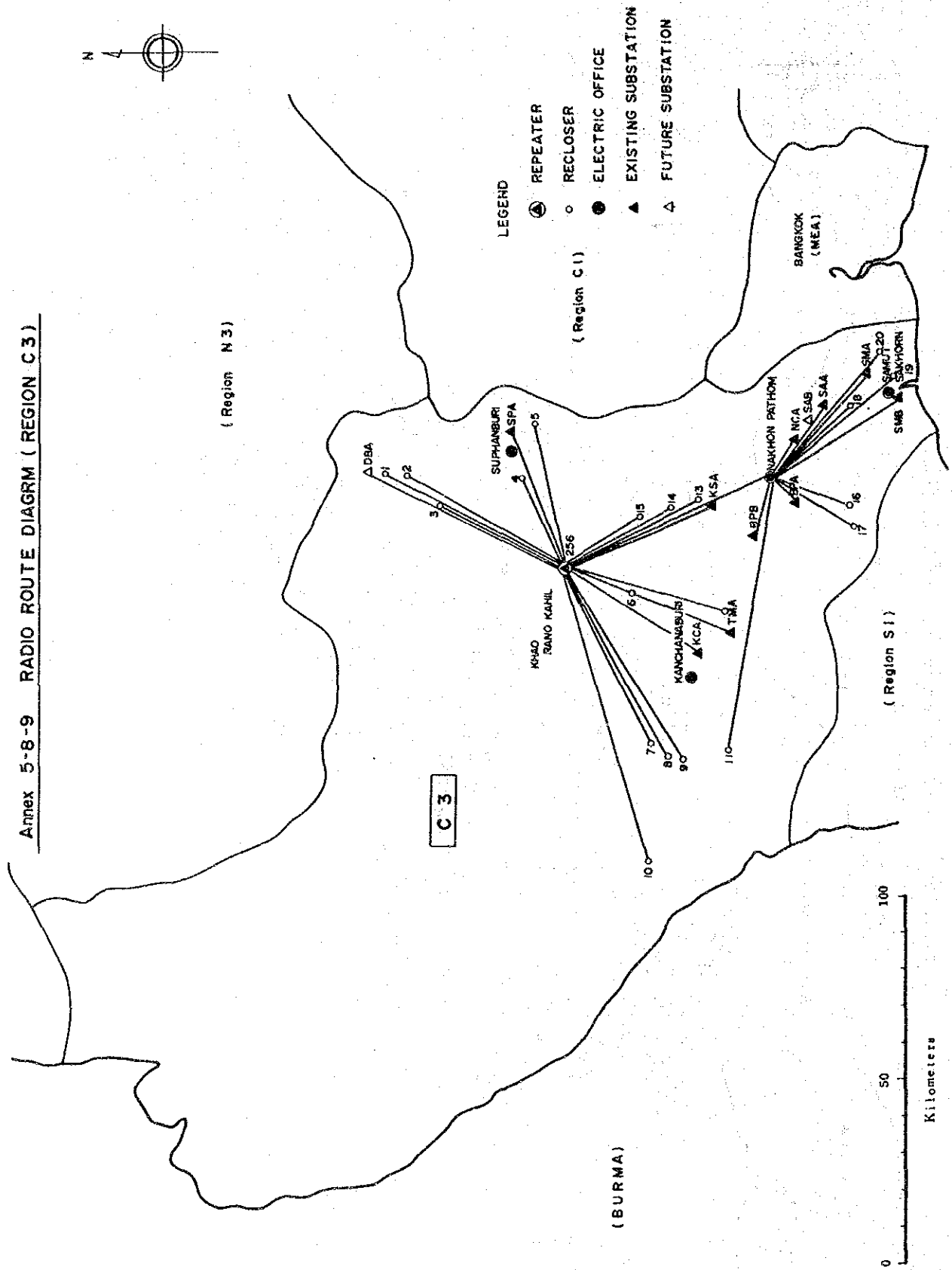


Annex 5-8-8 RADIO ROUTE DIAGRM ( REGION C 2 )

( Region C 1 )

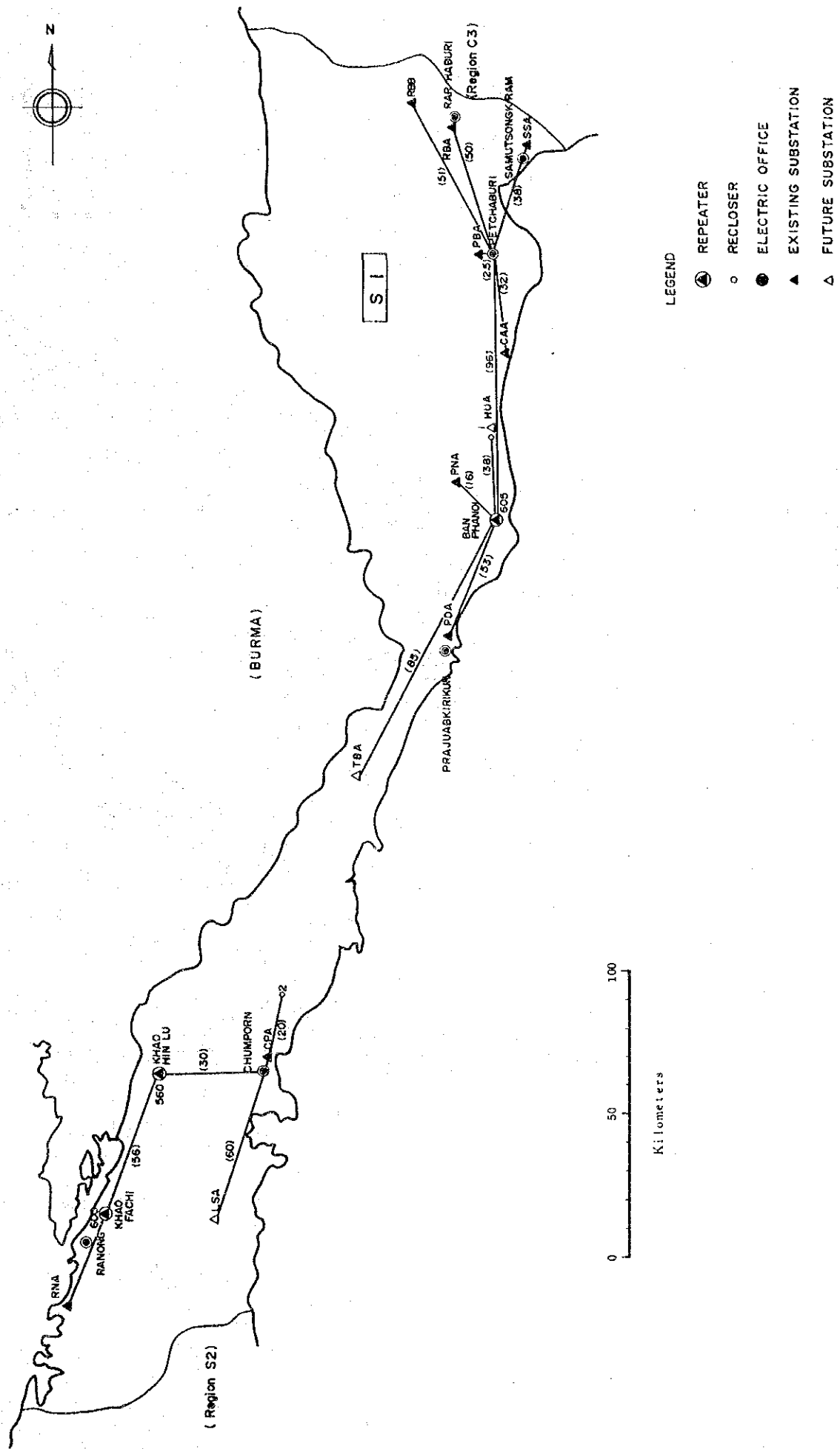


Annex 5-8-9 RADIO ROUTE DIAGRM ( REGION C3 )

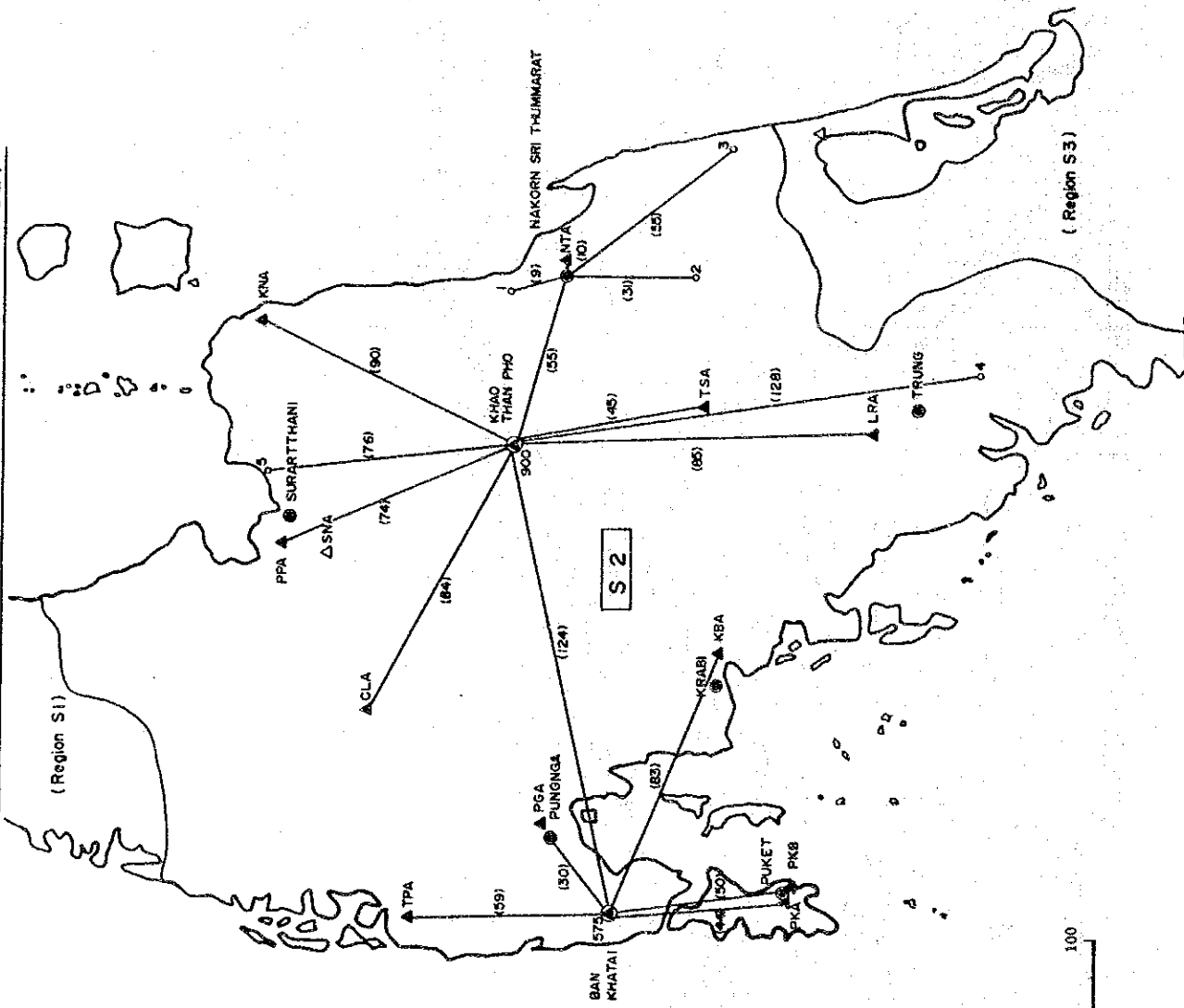
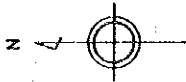


C 3

Annex 5-8-10 RADIO ROUTE DIAGRM ( REGION S1 )

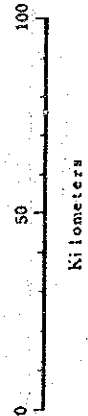


Annex 5-8-II RADIO ROUTE DIAGRM ( REGION S2 )



LEGEND

- REPEATER
- RECLOSER
- ELECTRIC OFFICE
- ▲ EXISTING SUBSTATION
- △ FUTURE SUBSTATION

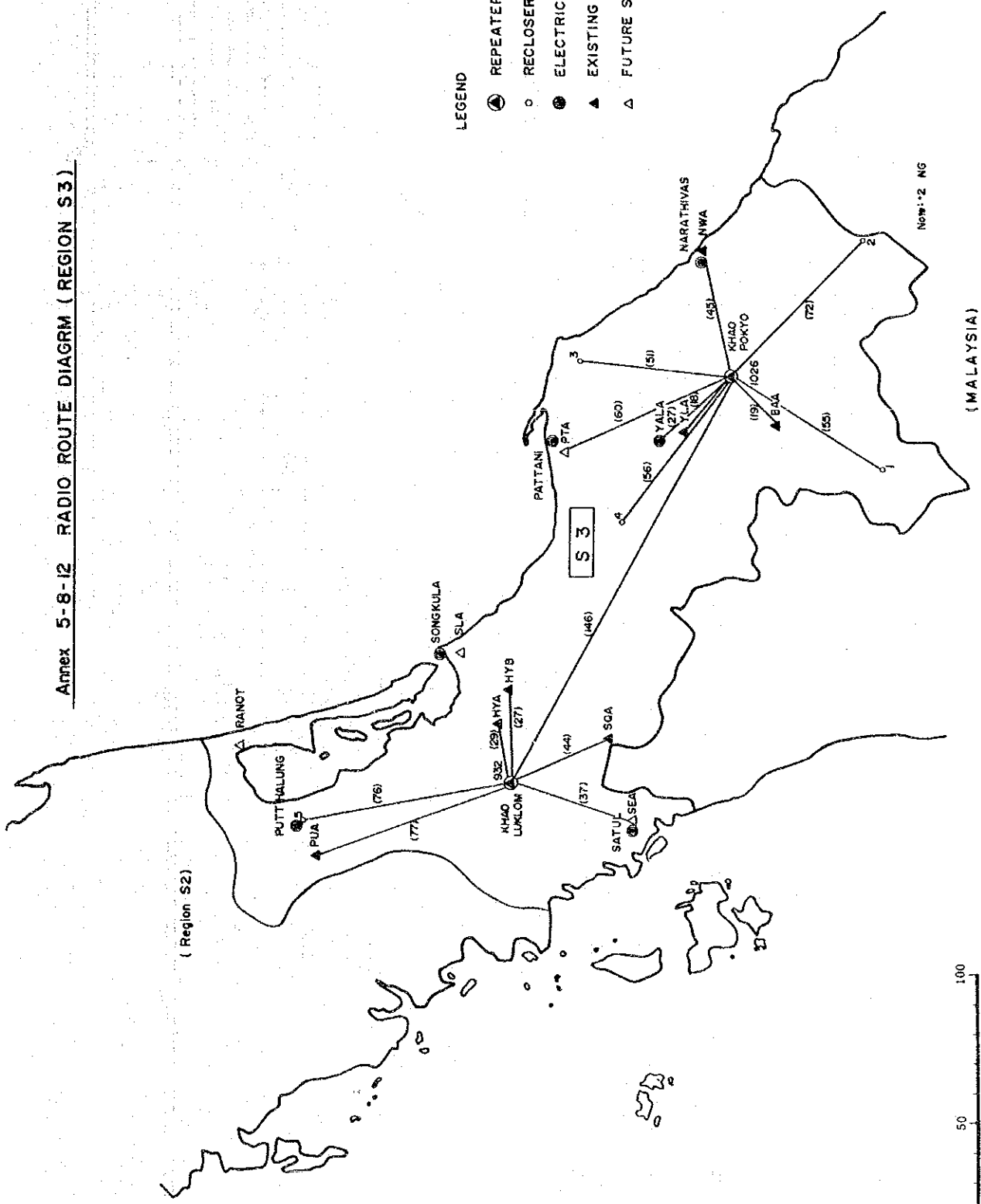


Annex 5-8-12 RADIO ROUTE DIAGRM ( REGION S3 )



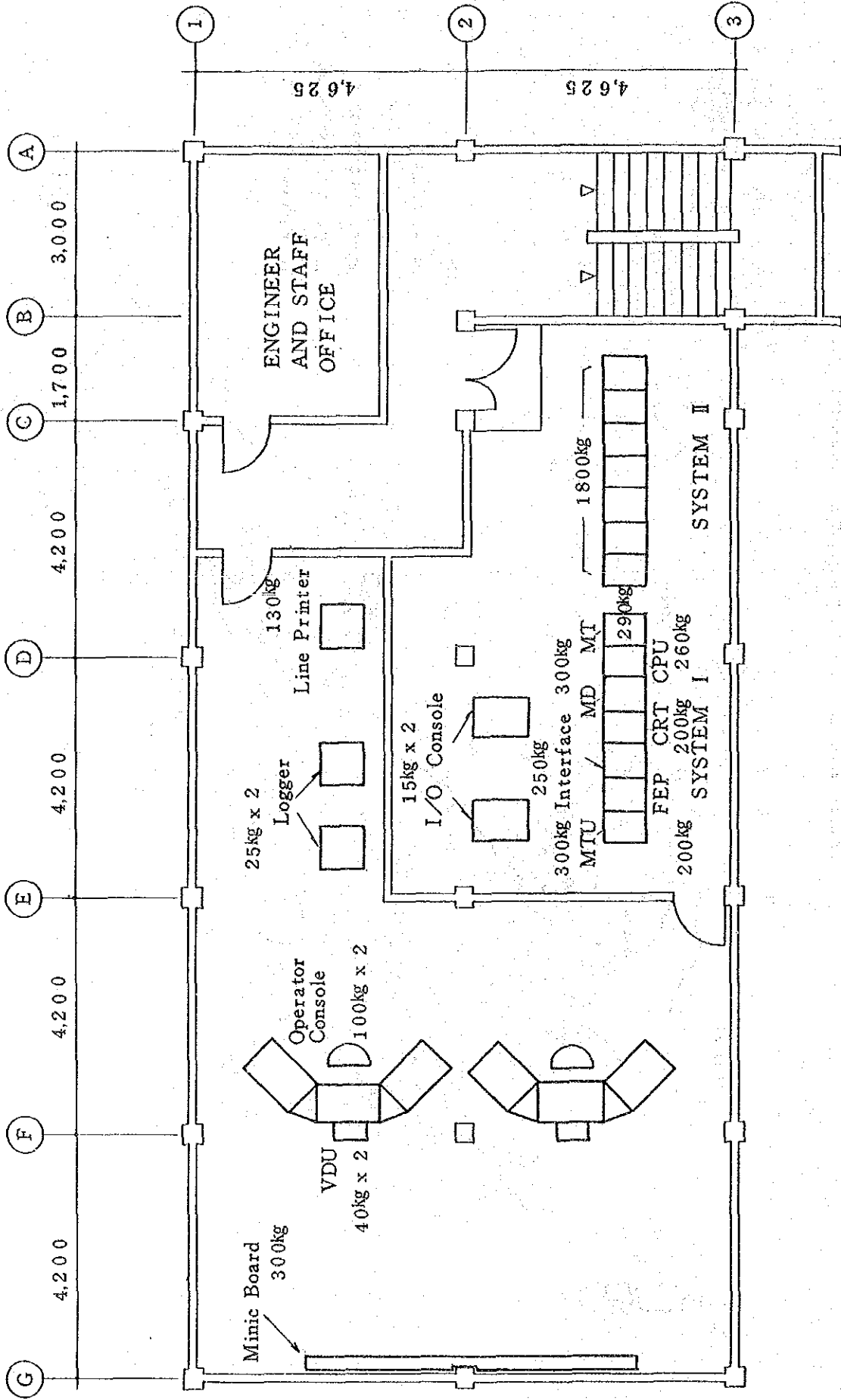
LEGEND

- REPEATER
- RECLOSER
- ⊙ ELECTRIC OFFICE
- ▲ EXISTING SUBSTATION
- △ FUTURE SUBSTATION



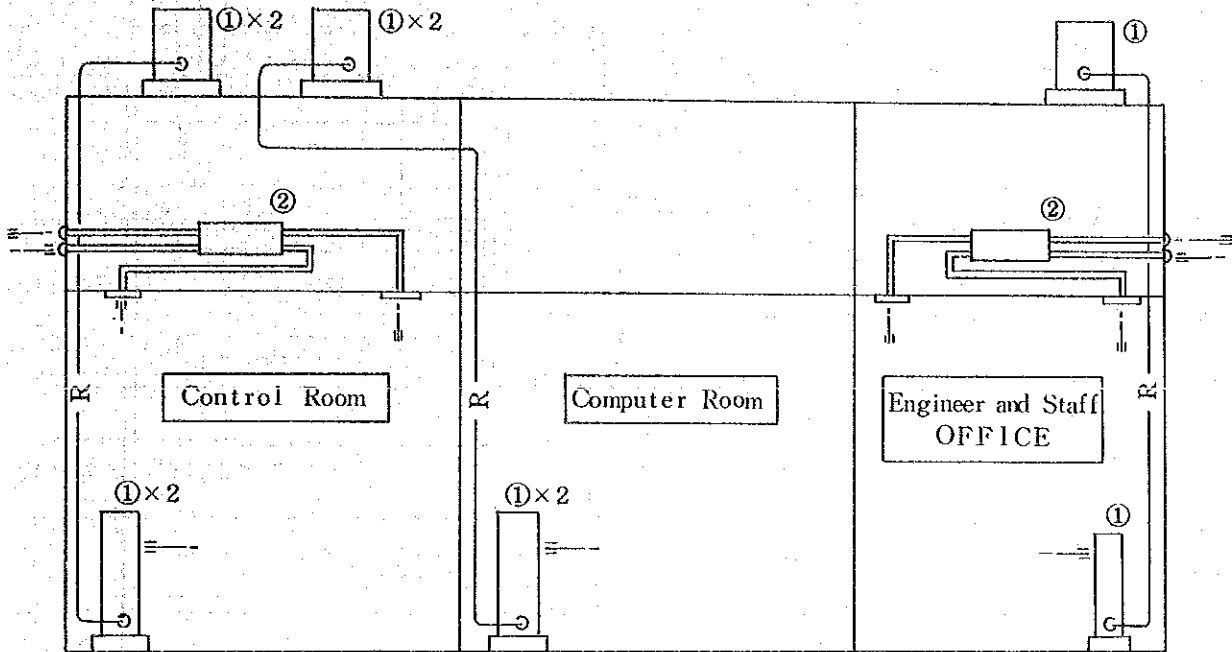
Annex 5-9 TENTATIVE LAYOUT OF DISTRIBUTION DISPATCHING CENTER (C3)

WEIGHT OF EQUIPMENT





Annex 5-10 AIR CONDITIONING SYSTEM

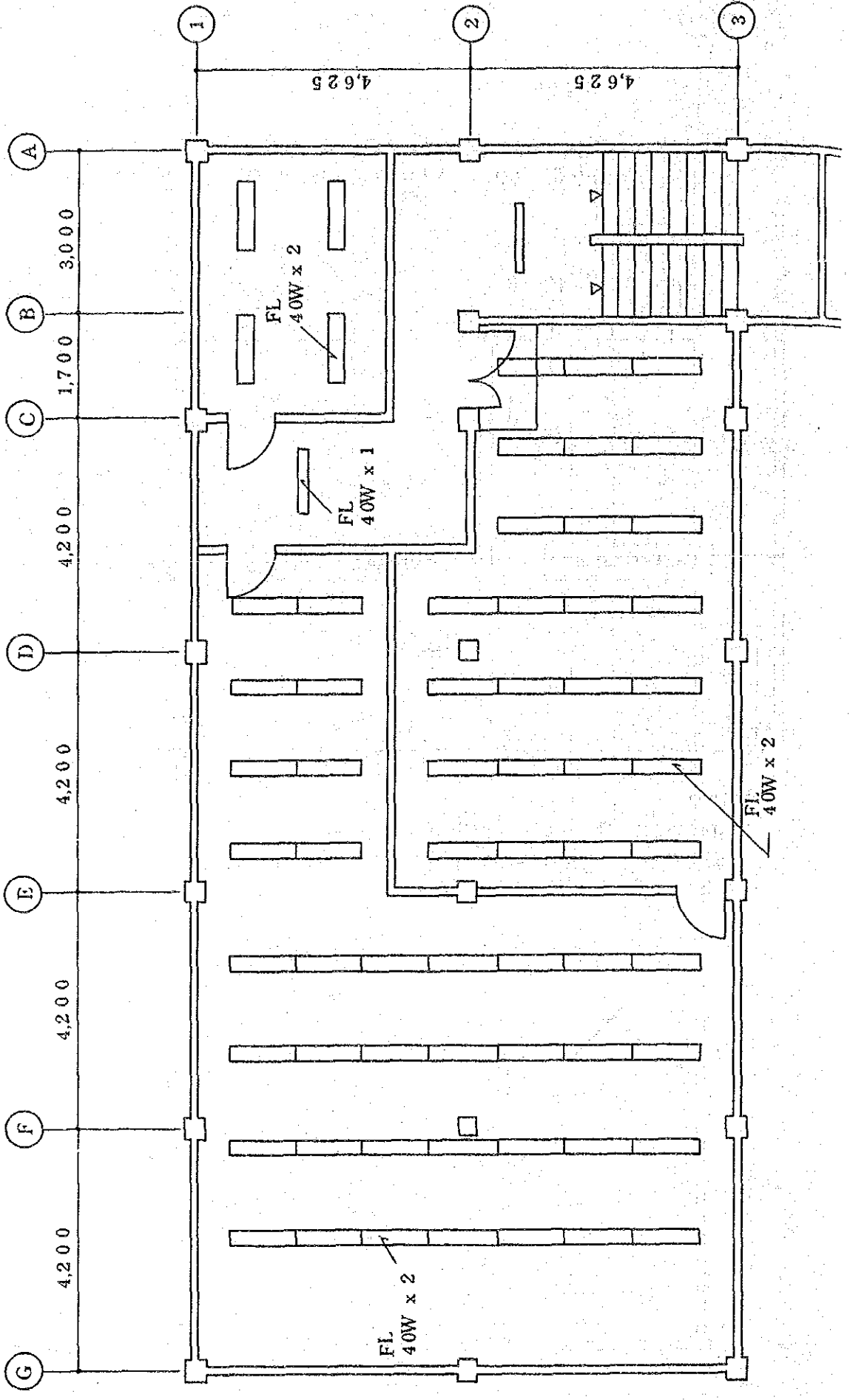


Legend

① : AIR COOLED PACKAGE

② : HEAT EXCHANGE TYPE VENTIRATING UNIT

Annex 5-11 TENTATIVE LIGHTING LAYOUT OF DISTRIBUTION DISPATCHING CENTER (C3)



ANNEX 7-1 CONSTRUCTION COST OF CENTER TERMINAL UNIT

(Unit: 1,000 US\$)

Item	Dual System		
	F.C.	L.C.	
		Duties	Others
Central Processor Unit, Magnetic Disk & Tape, etc.	459	168	2
Master Telecontrol Unit, Front End Processor	224	82	
Operator Console Unit	109	40	
Line Printer, Logger	23	8	
Power Supply Unit	255	138	
Software (Application)	349	128	
Architecture	0	0	144
Sub-total	1,419	564	146
Software (Control)	1,395	511	0
Total	2,814	1,075	146

ANNEX 7-2 CONSTRUCTION COST OF TRAINING UNIT

(Unit: 1,000 US\$)

Item	F.C.	L.C.	
		Duties	Others
Central Processor Unit, Magnetic Disk & Tape, etc.	127	46	1
Master Telecontrol Unit, Front End Processor	168	61	
Operator Console Unit	46	17	
Power Supply Unit	20	7	
Software (Application)	155	57	
Substation Remote Terminal Unit	38	20	
Feeder Remote Terminal Unit	21	11	
Total	575	219	1