FILE:CCT-3M.PRN

TABLE 4AC-2-2 REQUIRED NUMBER OF END-TO-END 2MBIT/S IN REPELITA-VI (SUPPLY PLAN 3.5MLU)

	JKT	BD	CBN	SM	YK	PWT	SB	JR	ML	MN	DPR	SBW	END	KP	UP	PRE	MO	PAL	KDI	BJM	SPT	SMR	TAR	PTK	MDN	SBG	LSM	BNA	PG	TJK	LT	JB	PD	PBR	SKN	AB	SON	JAP	TT	MRK	TOTAL
JKT	0	260	17	84	49	31	216	23	52	26	63	5	5	9	51	10	20	10	8	33	6	28	4	18	124	8	24	16	40	28	30	15	27	21	36	14	7	16	7	3	1444
BD	260	0	2	8	5	3	18	3	5	3	6	1	1	2	5	2	3	2	1	4	1	3	1	2	11	1	3	2	4	3	3	2	3	3	4	2	1	2	0	0	385
CBN	17	2	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	55
SM	84	8	1	0	2	2	6	1	2	1	2	1	1	1	2	1	1	1	1	2	1	1	1	1	4	1	1	1	2	1	2	1	1	1	2	1	1	1	0	0	144
YK	49	5	1	2	0	1	4	1	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	98
PWT	31	3	1	2	1	0	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	73
SB	216	18	2	6	4	3	0	2	4	3	5	1	1	1	4	2	2	2	1	3	1	3	1	2	9	1	3	2	4	3	3	2	3	2	3	2	1	2	1	1	329
JR	23	3	1	1	1	1	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	63
ML	52	5	1	2	2	1	4	1	0	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	100
MN	26	3	1	1	1	1	3	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	67
DPR	63	6	1	2	2	1	5	1	2	1	0	1	1	1	2	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	114
SBW	5	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	41
END	5	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	41
KP	9	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	46
UP	51	5	1	2	2	1	4	1	2	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	99
PRE	10	2	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	48
MO	20	3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	59
PAL	10	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	48
KDI	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	44
BJM	33	4	1	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	76
SPT	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	42
SMR	28	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	69
TAR	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	40
PTK	18	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	56
MDN	124	11	1	4	3	2	9	2	2	2	3	1	1	1	2	1	1	1	1	2	1	2	1	1	0	1	2	1	2	2	2	1	2	2	2	1	1	1	1	1	201
SBG	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	44
LSM	24	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	65
BNA	16	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	54
PG	40	4	1	2	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	84
TJK	28	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	69
LT	30	3	1	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	72
JB	15	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	53
PD	27	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	68
PBR	21	3	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	61
SKN	36	4	1	2	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	79
AB	14	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	52
SON	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	43
JAP	16	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	54
TT	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
MRK	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
TOTAL	1444	385	55	144	98	73	329	63	100	67	114	41	41	46	99	48	59	48	44	76	42	69	40	56	201	44	65	54	84	69	72	53	68	61	79	52	43	54	9	5	4594

FILE:B:CCT-REQ.PRN

TABLE 4AC-3 REQUIRED NUMBER OF CIRCUITS FOR REPELITA-VI PROGRAM (1/4)

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	NO.OF CIRCUITS 3.5MIL.	NO.OF 2MB/S 5MIL.	NO.OF 2MB/S 3.5MIL.	NO.OF 2MB/S ADD
JKT	BD	9926	7772	331	260	71
JKT	CBN	628	492	21	17	4
JKT	SM	3184	2494	107	84	23
JKT	YK	1872	1466	63	49	14
JKT	PWT	1154	904	39	31	8
JKT	SB	8256	6464	276	216	60
JKT	JR	876	686	30	23	7
JKT	ML	1988	1556	67	52	15
JKT	MN	962	752	33	26	7
JKT	DPR	2410	1886	81	63	18
JKT	SBW	186	150	7	5	2
JKT	END	154	124	6	5	1
JKT	KP	328	264	11	9	2
JKT	UP	1952	1528	66	51	15
JKT	PRE	354	284	12	10	2
JKT	MO	748	586	25	20	5
JKT	PAL	370	294	13	10	3
JKT	KDI	268	214	9	8	1
JKT	BJM	1260	986	42	33	9
JKT	SPT	188	152	7	6	1
JKT	SMR	1062	832	36	28	8
JKT	TAR	136	110	5	4	1
JKT	PTK	660	518	22	18	4
JKT	MDN	4748	3718	159	124	35
JKT	SBG	274	220	10	8	2
JKT	LSM	908	712	31	24	7
JKT	BNA	598	468	20	16	4
JKT	PG	1502	1176	51	40	11
JKT	TJK	1036	812	35	28	7
JKT	LT	1140	892	38	30	8
JKT	JB	574	450	20	15	5
JKT	PD	1030	806	35	27	8
JKT	PBR	788	618	27	21	6
JKT	SKN	1358	1062	46	36	10
JKT	AB	536	420	18	14	4
JKT	SON	260	210	9	7	2
JKT	JAP	610	478	21	16	5
BD	CBN	118	54	4	2	2
BD	SM	518	212	18	8	10
BD	YK	308	134	11	5	6
BD	PWT	200	88	7	3	4
BD	SB	1340	522	45	18	27
BD	JR	156	70	6	3	3
BD	ML	326	140	11	5	6
BD	MN	170	76	6	3	3
SUB-TOTAL		57420	43852	1937	1481	456

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	NO.OF CIRCUITS 3.5MIL.	NO.OF 2MB/S 5MIL.	NO.OF 2MB/S 3.5MIL.	NO.OF 2MB/S ADD
BD	DPR	392	166	14	6	8
BD	SBW	42	22	2	1	1
BD	END	36	20	2	1	1
BD	KP	68	34	3	2	1
BD	UP	320	138	11	5	6
BD	PRE	74	36	3	2	1
BD	MO	136	62	5	3	2
BD	PAL	76	36	3	2	1
BD	KDI	58	28	2	1	1
BD	BJM	216	96	8	4	4
BD	SPT	42	22	2	1	1
BD	SMR	186	82	7	3	4
BD	TAR	32	18	2	1	1
BD	PTK	122	56	5	2	3
BD	MDN	772	306	26	11	15
BD	SBG	58	30	2	1	1
BD	LSM	162	74	6	3	3
BD	BNA	112	52	4	2	2
BD	PG	252	110	9	4	5
BD	TJK	182	82	7	3	4
BD	LT	198	88	7	3	4
BD	JB	108	52	4	2	2
BD	PD	180	80	6	3	3
BD	PBR	142	66	5	3	2
BD	SKN	230	102	8	4	4
BD	AB	102	48	4	2	2
BD	SON	56	28	2	1	1
BD	JAP	114	54	4	2	2
CBN	SM	22	22	1	1	0
CBN	YK	16	16	1	1	0
CBN	PWT	12	12	1	1	0
CBN	SB	108	40	4	2	2
CBN	JR	10	10	1	1	0
CBN	ML	16	16	1	1	0
CBN	MN	10	10	1	1	0
CBN	DPR	18	18	1	1	0
CBN	SBW	6	6	1	1	0
CBN	END	6	6	1	1	0
CBN	KP	8	8	1	1	0
CBN	UP	16	16	1	1	0
CBN	PRE	8	8	1	1	0
CBN	MO	10	10	1	1	0
CBN	PAL	8	8	1	1	0
CBN	KDI	6	6	1	1	0
CBN	BJM	12	12	1	1	0
SUB-TOTAL		4760	2212	183	96	87

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	NO.OF CIRCUITS 3.5MIL.	NO.OF 2MB/S 5MIL.	NO.OF 2MB/S 3.5MIL.	NO.OF 2MB/S ADD
CBN	SPT	6	6	1	1	0
CBN	SMR	12	12	1	1	0
CBN	TAR	6	6	1	1	0
CBN	PTK	10	10	1	1	0
CBN	MDN	28	28	1	1	0
CBN	SBG	6	6	1	1	0
CBN	LSM	10	10	1	1	0
CBN	BNA	8	8	1	1	0
CBN	PG	14	14	1	1	0
CBN	TJK	12	12	1	1	0
CBN	LT	12	12	1	1	0
CBN	JB	8	8	1	1	0
CBN	PD	12	12	1	1	0
CBN	PBR	10	10	1	1	0
CBN	SKN	12	12	1	1	0
CBN	AB	6	6	1	1	0
CBN	SON	6	6	1	1	0
CBN	JAP	8	8	1	1	0
SM	YK	46	46	2	2	0
SM	PWT	32	32	2	2	0
SM	SB	480	154	16	6	10
SM	JR	28	28	1	1	0
SM	ML	48	48	2	2	0
SM	MN	28	28	1	1	0
SM	DPR	56	56	2	2	0
SM	SBW	10	10	1	1	0
SM	END	10	10	1	1	0
SM	KP	16	16	1	1	0
SM	UP	48	48	2	2	0
SM	PRE	16	16	1	1	0
SM	MO	24	24	1	1	0
SM	PAL	16	16	1	1	0
SM	KDI	14	14	1	1	0
SM	BJM	34	34	2	2	0
SM	SPT	10	10	1	1	0
SM	SMR	30	30	1	1	0
SM	TAR	10	10	1	1	0
SM	PTK	22	22	1	1	0
SM	MDN	96	96	4	4	0
SM	SBG	14	14	1	1	0
SM	LSM	28	28	1	1	0
SM	BNA	22	22	1	1	0
SM	PG	40	40	2	2	0
SM	TJK	30	30	1	1	0
SM	LT	32	32	2	2	0
SUB-TOTAL		1426	1100	71	61	10

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	NO.OF CIRCUITS 3.5MIL.	NO.OF 2MB/S 5MIL.	NO.OF 2MB/S 3.5MIL.	NO.OF 2MB/S ADD
SM	JB	20	20	1	1	0
SM	PD	30	30	1	1	0
SM	PBR	26	26	1	1	0
SM	SKN	36	36	2	2	0
SM	AB	20	20	1	1	0
SM	SON	14	14	1	1	0
SM	JAP	22	22	1	1	0
YK	PWT	22	22	1	1	0
YK	SB	284	96	10	4	6
YK	JR	18	18	1	1	0
YK	ML	32	32	2	2	0
YK	MN	20	20	1	1	0
YK	DPR	36	36	2	2	0
YK	SBW	8	8	1	1	0
YK	END	8	8	1	1	0
YK	KP	12	12	1	1	0
YK	UP	32	32	2	2	0
YK	PRE	12	12	1	1	0
YK	MO	18	18	1	1	0
YK	PAL	12	12	1	1	0
YK	KDI	10	10	1	1	0
YK	BJM	24	24	1	1	0
YK	SPT	8	8	1	1	0
YK	SMR	22	22	1	1	0
YK	TAR	6	6	1	1	0
YK	PTK	16	16	1	1	0
YK	MDN	62	62	3	3	0
YK	SBG	10	10	1	1	0
YK	LSM	20	20	1	1	0
YK	BNA	16	16	1	1	0
YK	PG	26	26	1	1	0
YK	TJK	20	20	1	1	0
YK	LT	22	22	1	1	0
YK	JB	14	14	1	1	0
YK	PD	20	20	1	1	0
YK	PBR	18	18	1	1	0
YK	SKN	24	24	1	1	0
YK	AB	14	14	1	1	0
YK	SON	10	10	1	1	0
YK	JAP	16	16	1	1	0
PWT	SB	184	64	7	3	4
PWT	JR	14	14	1	1	0
PWT	ML	22	22	1	1	0
PWT	MN	14	14	1	1	0
PWT	DPR	26	26	1	1	0
SUB-TOTAL		1320	1012	66	56	10

FILE:B:CCT-REQ.PRN

TABLE 4AC-3 REQUIRED NUMBER OF CIRCUITS FOR REPELITA-VI PROGRAM (2/4)

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
PWT	SBW	6	6	1	1	0
PWT	END	6	6	1	1	0
PWT	KP	8	8	1	1	0
PWT	UP	22	22	1	1	0
PWT	PRE	10	10	1	1	0
PWT	MD	14	14	1	1	0
PWT	PAL	10	10	1	1	0
PWT	KDI	8	8	1	1	0
PWT	BJM	18	18	1	1	0
PWT	SPT	6	6	1	1	0
PWT	SMR	16	16	1	1	0
PWT	TAR	6	6	1	1	0
PWT	PTK	12	12	1	1	0
PWT	MDN	42	42	2	2	0
PWT	SBG	8	8	1	1	0
PWT	LSM	14	14	1	1	0
PWT	BNA	12	12	1	1	0
PWT	PG	20	20	1	1	0
PWT	TJK	16	16	1	1	0
PWT	LT	16	16	1	1	0
PWT	JB	12	12	1	1	0
PWT	PD	16	16	1	1	0
PWT	PBR	14	14	1	1	0
PWT	SKN	18	18	1	1	0
PWT	AB	12	12	1	1	0
PWT	SON	8	8	1	1	0
PWT	JAP	12	12	1	1	0
SB	JR	152	60	6	2	4
SB	ML	318	118	11	4	7
SB	MN	166	66	6	3	3
SB	DPR	382	140	13	5	8
SB	SBW	42	20	2	1	1
SB	END	36	18	2	1	1
SB	KP	66	30	3	1	2
SB	UP	312	116	11	4	7
SB	PRE	72	32	3	2	1
SB	MD	134	54	5	2	3
SB	PAL	74	32	3	2	1
SB	KDI	56	26	2	1	1
SB	BJM	210	82	7	3	4
SB	SPT	42	20	2	1	1
SB	SMR	180	70	6	3	3
SB	TAR	32	16	2	1	1
SB	PTK	120	48	4	2	2
SB	MDN	752	256	26	9	17
SUB-TOTAL		3508	1566	142	75	67

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
SB	SBG	58	26	2	1	1
SB	LSM	158	62	6	3	3
SB	BNA	110	46	4	2	2
SB	PG	246	94	9	4	5
SB	TJK	178	70	6	3	3
SB	LT	192	74	7	3	4
SB	JB	106	44	4	2	2
SB	PD	176	68	6	3	3
SB	PBR	140	56	5	2	3
SB	SKN	226	86	8	3	5
SB	AB	100	42	4	2	2
SB	SON	54	24	2	1	1
SB	JAP	112	46	4	2	2
JR	ML	18	18	1	1	0
JR	MN	12	12	1	1	0
JR	DPR	20	20	1	1	0
JR	SBW	6	6	1	1	0
JR	END	6	6	1	1	0
JR	KP	8	8	1	1	0
JR	UP	18	18	1	1	0
JR	PRE	8	8	1	1	0
JR	MD	10	10	1	1	0
JR	PAL	8	8	1	1	0
JR	KDI	8	8	1	1	0
JR	BJM	14	14	1	1	0
JR	SPT	6	6	1	1	0
JR	SMR	14	14	1	1	0
JR	TAR	6	6	1	1	0
JR	PTK	10	10	1	1	0
JR	MDN	32	32	2	2	0
JR	SBG	8	8	1	1	0
JR	LSM	12	12	1	1	0
JR	BNA	10	10	1	1	0
JR	PG	16	16	1	1	0
JR	TJK	12	12	1	1	0
JR	LT	14	14	1	1	0
JR	JB	10	10	1	1	0
JR	PD	12	12	1	1	0
JR	PBR	12	12	1	1	0
JR	SKN	14	14	1	1	0
JR	AB	10	10	1	1	0
JR	SON	8	8	1	1	0
JR	JAP	10	10	1	1	0
ML	MN	20	20	1	1	0
ML	DPR	36	36	2	2	0
SUB-TOTAL		2264	1146	101	65	36

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
ML	SBW	8	8	1	1	0
ML	END	8	8	1	1	0
ML	KP	12	12	1	1	0
ML	UP	32	32	2	2	0
ML	PRE	12	12	1	1	0
ML	MD	18	18	1	1	0
ML	PAL	12	12	1	1	0
ML	KDI	10	10	1	1	0
ML	BJM	24	24	1	1	0
ML	SPT	8	8	1	1	0
ML	SMR	22	22	1	1	0
ML	TAR	8	8	1	1	0
ML	PTK	16	16	1	1	0
ML	MDN	60	60	2	2	0
ML	SBG	10	10	1	1	0
ML	LSM	20	20	1	1	0
ML	BNA	16	16	1	1	0
ML	PG	26	26	1	1	0
ML	TJK	20	20	1	1	0
ML	LT	22	22	1	1	0
ML	JB	14	14	1	1	0
ML	PD	20	20	1	1	0
ML	PBR	18	18	1	1	0
ML	SKN	24	24	1	1	0
ML	AB	14	14	1	1	0
ML	SON	10	10	1	1	0
ML	JAP	16	16	1	1	0
MN	DPR	22	22	1	1	0
MN	SBW	6	6	1	1	0
MN	END	6	6	1	1	0
MN	KP	8	8	1	1	0
MN	UP	20	20	1	1	0
MN	PRE	8	8	1	1	0
MN	MD	12	12	1	1	0
MN	PAL	8	8	1	1	0
MN	KDI	8	8	1	1	0
MN	BJM	14	14	1	1	0
MN	SPT	6	6	1	1	0
MN	SMR	14	14	1	1	0
MN	TAR	6	6	1	1	0
MN	PTK	10	10	1	1	0
MN	MDN	34	34	2	2	0
MN	SBG	8	8	1	1	0
MN	LSM	12	12	1	1	0
MN	BNA	10	10	1	1	0
SUB-TOTAL		692	692	48	48	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
MN	PG	16	16	1	1	0
MN	TJK	14	14	1	1	0
MN	LT	14	14	1	1	0
MN	JB	10	10	1	1	0
MN	PD	14	14	1	1	0
MN	PBR	12	12	1	1	0
MN	SKN	16	16	1	1	0
MN	AB	10	10	1	1	0
MN	SON	8	8	1	1	0
MN	JAP	10	10	1	1	0
DPR	SBW	10	10	1	1	0
DPR	END	8	8	1	1	0
DPR	KP	12	12	1	1	0
DPR	UP	36	36	2	2	0
DPR	PRE	12	12	1	1	0
DPR	MD	20	20	1	1	0
DPR	PAL	14	14	1	1	0
DPR	KDI	12	12	1	1	0
DPR	BJM	28	28	1	1	0
DPR	SPT	10	10	1	1	0
DPR	SMR	24	24	1	1	0
DPR	TAR	8	8	1	1	0
DPR	PTK	18	18	1	1	0
DPR	MDN	72	72	3	3	0
DPR	SBG	12	12	1	1	0
DPR	LSM	22	22	1	1	0
DPR	BNA	18	18	1	1	0
DPR	PG	30	30	1	1	0
DPR	TJK	24	24	1	1	0
DPR	LT	26	26	1	1	0
DPR	JB	16	16	1	1	0
DPR	PD	24	24	1	1	0
DPR	PBR	20	20	1	1	0
DPR	SKN	28	28	1	1	0
DPR	AB	16	16	1	1	0
DPR	SON	10	10	1	1	0
DPR	JAP	18	18	1	1	0
SBW	END	4	4	1	1	0
SBW	KP	4	4	1	1	0
SBW	UP	8	8	1	1	0
SBW	PRE	4	4	1	1	0
SBW	MD	6	6	1	1	0
SBW	PAL	4	4	1	1	0
SBW	KDI	4	4	1	1	0
SBW	BJM	6	6	1	1	0
SUB-TOTAL		712	712	48	48	0

FILE:B:CCT-REQ.PRN

TABLE 4AC-3 REQUIRED NUMBER OF CIRCUITS FOR REPELITA-VI PROGRAM (3/4)

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
SBW	SPT	4	4	1	1	0
SBW	SMR	6	6	1	1	0
SBW	TAR	4	4	1	1	0
SBW	PTK	6	6	1	1	0
SBW	MDN	12	12	1	1	0
SBW	SBG	4	4	1	1	0
SBW	LSM	6	6	1	1	0
SBW	BNA	6	6	1	1	0
SBW	PG	8	8	1	1	0
SBW	TJK	6	6	1	1	0
SBW	LT	6	6	1	1	0
SBW	JB	6	6	1	1	0
SBW	PD	6	6	1	1	0
SBW	PBR	6	6	1	1	0
SBW	SKN	8	8	1	1	0
SBW	AB	6	6	1	1	0
SBW	SON	4	4	1	1	0
SBW	JAP	6	6	1	1	0
END	KP	4	4	1	1	0
END	UP	8	8	1	1	0
END	PRE	4	4	1	1	0
END	MO	6	6	1	1	0
END	PAL	4	4	1	1	0
END	KDI	4	4	1	1	0
END	BJM	6	6	1	1	0
END	SPT	4	4	1	1	0
END	SMR	6	6	1	1	0
END	TAR	4	4	1	1	0
END	PTK	6	6	1	1	0
END	MDN	10	10	1	1	0
END	SBG	4	4	1	1	0
END	LSM	6	6	1	1	0
END	BNA	6	6	1	1	0
END	PG	6	6	1	1	0
END	TJK	6	6	1	1	0
END	LT	6	6	1	1	0
END	JB	6	6	1	1	0
END	PD	6	6	1	1	0
END	PBR	6	6	1	1	0
END	SKN	6	6	1	1	0
END	AB	4	4	1	1	0
END	SON	4	4	1	1	0
END	JAP	6	6	1	1	0
KP	UP	10	10	1	1	0
KP	PRE	6	6	1	1	0
SUB-TOTAL		264	264	45	45	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
KP	MO	8	8	1	1	0
KP	PAL	6	6	1	1	0
KP	KDI	6	6	1	1	0
KP	BJM	8	8	1	1	0
KP	SPT	4	4	1	1	0
KP	SMR	8	8	1	1	0
KP	TAR	4	4	1	1	0
KP	PTK	6	6	1	1	0
KP	MDN	16	16	1	1	0
KP	SBG	6	6	1	1	0
KP	LSM	8	8	1	1	0
KP	BNA	6	6	1	1	0
KP	PG	10	10	1	1	0
KP	TJK	8	8	1	1	0
KP	LT	8	8	1	1	0
KP	JB	6	6	1	1	0
KP	PD	8	8	1	1	0
KP	PBR	8	8	1	1	0
KP	SKN	10	10	1	1	0
KP	AB	6	6	1	1	0
KP	SON	6	6	1	1	0
KP	JAP	6	6	1	1	0
UP	PRE	12	12	1	1	0
UP	MO	18	18	1	1	0
UP	PAL	12	12	1	1	0
UP	KDI	10	10	1	1	0
UP	BJM	24	24	1	1	0
UP	SPT	8	8	1	1	0
UP	SMR	22	22	1	1	0
UP	TAR	8	8	1	1	0
UP	PTK	16	16	1	1	0
UP	MDN	60	60	2	2	0
UP	SBG	10	10	1	1	0
UP	LSM	20	20	1	1	0
UP	BNA	16	16	1	1	0
UP	PG	26	26	1	1	0
UP	TJK	20	20	1	1	0
UP	LT	22	22	1	1	0
UP	JB	14	14	1	1	0
UP	PD	20	20	1	1	0
UP	PBR	18	18	1	1	0
UP	SKN	24	24	1	1	0
UP	AB	14	14	1	1	0
UP	SON	10	10	1	1	0
UP	JAP	16	16	1	1	0
SUB-TOTAL		582	582	46	46	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
PRE	MO	8	8	1	1	0
PRE	PAL	6	6	1	1	0
PRE	KDI	6	6	1	1	0
PRE	BJM	10	10	1	1	0
PRE	SPT	4	4	1	1	0
PRE	SMR	8	8	1	1	0
PRE	TAR	4	4	1	1	0
PRE	PTK	8	8	1	1	0
PRE	MDN	18	18	1	1	0
PRE	SBG	6	6	1	1	0
PRE	LSM	8	8	1	1	0
PRE	BNA	6	6	1	1	0
PRE	PG	10	10	1	1	0
PRE	TJK	8	8	1	1	0
PRE	LT	8	8	1	1	0
PRE	JB	6	6	1	1	0
PRE	PD	8	8	1	1	0
PRE	PBR	8	8	1	1	0
PRE	SKN	10	10	1	1	0
PRE	AB	6	6	1	1	0
PRE	SON	6	6	1	1	0
PRE	JAP	6	6	1	1	0
MO	PAL	8	8	1	1	0
MO	KDI	6	6	1	1	0
MO	BJM	14	14	1	1	0
MO	SPT	6	6	1	1	0
MO	SMR	12	12	1	1	0
MO	TAR	6	6	1	1	0
MO	PTK	10	10	1	1	0
MO	MDN	28	28	1	1	0
MO	SBG	6	6	1	1	0
MO	LSM	12	12	1	1	0
MO	BNA	10	10	1	1	0
MO	PG	14	14	1	1	0
MO	TJK	12	12	1	1	0
MO	LT	12	12	1	1	0
MO	JB	8	8	1	1	0
MO	PD	12	12	1	1	0
MO	PBR	10	10	1	1	0
MO	SKN	14	14	1	1	0
MO	AB	8	8	1	1	0
MO	SON	6	6	1	1	0
MO	JAP	10	10	1	1	0
PAL	KDI	6	6	1	1	0
PAL	BJM	10	10	1	1	0
SUB-TOTAL		408	408	45	45	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
PAL	SPT	4	4	1	1	0
PAL	SMR	8	8	1	1	0
PAL	TAR	4	4	1	1	0
PAL	PTK	8	8	1	1	0
PAL	MDN	18	18	1	1	0
PAL	SBG	6	6	1	1	0
PAL	LSM	8	8	1	1	0
PAL	BNA	6	6	1	1	0
PAL	PG	10	10	1	1	0
PAL	TJK	8	8	1	1	0
PAL	LT	8	8	1	1	0
PAL	JB	6	6	1	1	0
PAL	PD	8	8	1	1	0
PAL	PBR	8	8	1	1	0
PAL	SKN	10	10	1	1	0
PAL	AB	6	6	1	1	0
PAL	SON	6	6	1	1	0
PAL	JAP	6	6	1	1	0
KDI	BJM	8	8	1	1	0
KDI	SPT	4	4	1	1	0
KDI	SMR	8	8	1	1	0
KDI	TAR	4	4	1	1	0
KDI	PTK	6	6	1	1	0
KDI	MDN	14	14	1	1	0
KDI	SBG	4	4	1	1	0
KDI	LSM	8	8	1	1	0
KDI	BNA	6	6	1	1	0
KDI	PG	8	8	1	1	0
KDI	TJK	8	8	1	1	0
KDI	LT	8	8	1	1	0
KDI	JB	6	6	1	1	0
KDI	PD	8	8	1	1	0
KDI	PBR	6	6	1	1	0
KDI	SKN	8	8	1	1	0
KDI	AB	6	6	1	1	0
KDI	SON	4	4	1	1	0
KDI	JAP	6	6	1	1	0
BJM	SPT	8	8	1	1	0
BJM	SMR	16	16	1	1	0
BJM	TAR	6	6	1	1	0
BJM	PTK	12	12	1	1	0
BJM	MDN	42	42	2	2	0
BJM	SBG	8	8	1	1	0
BJM	LSM	14	14	1	1	0
BJM	BNA	12	12	1	1	0
SUB-TOTAL		386	386	46	46	0

FILE:B:CCT-REQ.PRN

TABLE 4AC-3 REQUIRED NUMBER OF CIRCUITS FOR REPELITA-VI PROGRAM (4/4)

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
BJM	PG	20	20	1	1	0
BJM	TJK	16	16	1	1	0
BJM	LT	16	16	1	1	0
BJM	JB	12	12	1	1	0
BJM	PD	16	16	1	1	0
BJM	PBR	14	14	1	1	0
BJM	SKN	18	18	1	1	0
BJM	AB	12	12	1	1	0
BJM	SON	8	8	1	1	0
BJM	JAP	12	12	1	1	0
SPT	SMR	6	6	1	1	0
SPT	TAR	4	4	1	1	0
SPT	PTK	6	6	1	1	0
SPT	MDN	12	12	1	1	0
SPT	SBG	4	4	1	1	0
SPT	LSM	6	6	1	1	0
SPT	BNA	6	6	1	1	0
SPT	PG	8	8	1	1	0
SPT	TJK	6	6	1	1	0
SPT	LT	6	6	1	1	0
SPT	JB	6	6	1	1	0
SPT	PD	6	6	1	1	0
SPT	PBR	6	6	1	1	0
SPT	SKN	8	8	1	1	0
SPT	AB	6	6	1	1	0
SPT	SON	4	4	1	1	0
SPT	JAP	6	6	1	1	0
SMR	TAR	6	6	1	1	0
SMR	PTK	12	12	1	1	0
SMR	MDN	36	36	2	2	0
SMR	SBG	8	8	1	1	0
SMR	LSM	14	14	1	1	0
SMR	BNA	10	10	1	1	0
SMR	PG	18	18	1	1	0
SMR	TJK	14	14	1	1	0
SMR	LT	14	14	1	1	0
SMR	JB	10	10	1	1	0
SMR	PD	14	14	1	1	0
SMR	PBR	12	12	1	1	0
SMR	SKN	16	16	1	1	0
SMR	AB	10	10	1	1	0
SMR	SON	8	8	1	1	0
SMR	JAP	10	10	1	1	0
TAR	PTK	4	4	1	1	0
TAR	MDN	10	10	1	1	0
SUB-TOTAL		476	476	46	46	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
TAR	SBG	4	4	1	1	0
TAR	LSM	6	6	1	1	0
TAR	BNA	4	4	1	1	0
TAR	PG	6	6	1	1	0
TAR	TJK	6	6	1	1	0
TAR	LT	6	6	1	1	0
TAR	JB	4	4	1	1	0
TAR	PD	6	6	1	1	0
TAR	PBR	6	6	1	1	0
TAR	SKN	6	6	1	1	0
TAR	AB	4	4	1	1	0
TAR	SON	4	4	1	1	0
TAR	JAP	4	4	1	1	0
PTK	MDN	26	26	1	1	0
PTK	SBG	6	6	1	1	0
PTK	LSM	10	10	1	1	0
PTK	BNA	8	8	1	1	0
PTK	PG	14	14	1	1	0
PTK	TJK	12	12	1	1	0
PTK	LT	12	12	1	1	0
PTK	JB	8	8	1	1	0
PTK	PD	10	10	1	1	0
PTK	PBR	10	10	1	1	0
PTK	SKN	12	12	1	1	0
PTK	AB	8	8	1	1	0
PTK	SON	6	6	1	1	0
PTK	JAP	8	8	1	1	0
MDN	SBG	18	18	1	1	0
MDN	LSM	40	40	2	2	0
MDN	BNA	30	30	1	1	0
MDN	PG	60	60	2	2	0
MDN	TJK	46	46	2	2	0
MDN	LT	48	48	2	2	0
MDN	JB	30	30	1	1	0
MDN	PD	44	44	2	2	0
MDN	PBR	36	36	2	2	0
MDN	SKN	56	56	2	2	0
MDN	AB	28	28	1	1	0
MDN	SON	18	18	1	1	0
MDN	JAP	30	30	1	1	0
SBG	LSM	6	6	1	1	0
SBG	BNA	6	6	1	1	0
SBG	PG	8	8	1	1	0
SBG	TJK	6	6	1	1	0
SBG	LT	8	8	1	1	0
SUB-TOTAL		734	734	52	52	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
SBG	JB	6	6	1	1	0
SBG	PD	6	6	1	1	0
SBG	PBR	6	6	1	1	0
SBG	SKN	8	8	1	1	0
SBG	AB	6	6	1	1	0
SBG	SON	4	4	1	1	0
SBG	JAP	6	6	1	1	0
LSM	BNA	10	10	1	1	0
LSM	PG	14	14	1	1	0
LSM	TJK	12	12	1	1	0
LSM	LT	12	12	1	1	0
LSM	JB	10	10	1	1	0
LSM	PD	12	12	1	1	0
LSM	PBR	10	10	1	1	0
LSM	SKN	14	14	1	1	0
LSM	AB	8	8	1	1	0
LSM	SON	6	6	1	1	0
LSM	JAP	10	10	1	1	0
BNA	PG	12	12	1	1	0
BNA	TJK	10	10	1	1	0
BNA	LT	10	10	1	1	0
BNA	JB	8	8	1	1	0
BNA	PD	10	10	1	1	0
BNA	PBR	8	8	1	1	0
BNA	SKN	10	10	1	1	0
BNA	AB	8	8	1	1	0
BNA	SON	6	6	1	1	0
BNA	JAP	8	8	1	1	0
PG	TJK	16	16	1	1	0
PG	LT	16	16	1	1	0
PG	JB	12	12	1	1	0
PG	PD	16	16	1	1	0
PG	PBR	14	14	1	1	0
PG	SKN	18	18	1	1	0
PG	AB	12	12	1	1	0
PG	SON	8	8	1	1	0
PG	JAP	10	10	1	1	0
TJK	LT	14	14	1	1	0
TJK	JB	10	10	1	1	0
TJK	PD	10	10	1	1	0
TJK	PBR	12	12	1	1	0
TJK	SKN	14	14	1	1	0
TJK	AB	10	10	1	1	0
TJK	SON	6	6	1	1	0
TJK	JAP	10	10	1	1	0
SUB-TOTAL		458	458	45	45	0

O-EXC	T-EXC	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
LT	JB	10	10	1	1	0
LT	PD	14	14	1	1	0
LT	PBR	12	12	1	1	0
LT	SKN	16	16	1	1	0
LT	AB	10	10	1	1	0
LT	SON	8	8	1	1	0
LT	JAP	10	10	1	1	0
JB	PD	10	10	1	1	0
JB	PBR	8	8	1	1	0
JB	SKN	10	10	1	1	0
JB	AB	8	8	1	1	0
JB	SON	6	6	1	1	0
JB	JAP	8	8	1	1	0
PD	PBR	12	12	1	1	0
PD	SKN	14	14	1	1	0
PD	AB	10	10	1	1	0
PD	SON	6	6	1	1	0
PD	JAP	10	10	1	1	0
PBR	SKN	12	12	1	1	0
PBR	AB	8	8	1	1	0
PBR	SON	6	6	1	1	0
PBR	JAP	8	8	1	1	0
SKN	AB	10	10	1	1	0
SKN	SON	8	8	1	1	0
SKN	JAP	12	12	1	1	0
AB	SON	4	4	1	1	0
AB	JAP	4	4	1	1	0
SON	JAP	2	2	1	1	0
SUB-TOTAL		256	256	28	28	0

	NO.OF CIRCUITS 5MIL.	3.5MIL.	NO.OF 2MB/S 5MIL.	3.5MIL.	ADD
TOTAL (1/4)	64926	48176	2257	1694	563
TOTAL (2/4)	7176	4116	339	236	103
TOTAL (3/4)	1640	1640	182	182	0
TOTAL (4/4)	1924	1924	171	171	0
GRAND TOTAL	75666	55856	2949	2283	666

FILE:8:2MG-VI.PRN
TABLE 4AC-4 CIRCUIT DIMENSIONING TABLE (1/2)

SECTION		DISTANCE IN KM	AMONG JAWA	JAWA - BALI	JAWA - SW/MK/IJ	JAWA - KALI	JAWA - SUMA 1	JAWA - SUMA 2	SUMA	SUMA - BALI	SUMA - KALI	SUMA - SW/MK/IJ	WITEL 8/10-12	TOTAL NO.OF 2M	NO.OF 140M	EXISTING NO.OF 140M	INSTALLATION 140MBIT	STM-4
BNA	LSM	200	0	0	0	0	30	1	6	0	0	8	0	45	1		1	
BNA	SBG	600	0	0	0	0	19	7	4	4	5	0	0	39	1		1	
LSM	MDN	300	0	0	0	0	48	11	15	4	5	16	0	99	2		2	
SBG	MDN	200	0	0	0	0	162	20	9	10	10	25	0	236	5	2	3	
SBG	BTB	300	0	0	0	0	188	33	17	18	0	33	0	289	6	2	4	
BTB	PBR	200	0	0	0	0	70	16	8	0	0	16	0	110	3		3	
MDN	PBR	500	0	0	0	0	87	25	17	0	22	0	0	151	3		3	
PBR	SKN	300	0	0	0	0	58	12	11	4	5	8	0	98	2		2	
BTB	PD	70	0	0	0	0	160	23	17	18	0	49	0	267	7	2	5	
BTB	PD2	70	0	0	0	0	98	0	0	0	0	0	0	98			0	
PD	BKO	340	0	0	0	0	167	33	14	30	0	57	0	301	6	2	4	
PD2	BK2	340	0	0	0	0	113	0	0	0	5	0	0	118	3		3	
BKO	JB	160	0	0	0	0	12	0	2	4	0	8	0	26	1	1	0	
BK2	JB	160	0	0	0	0	10	0	0	0	0	0	0	10				
PBR	JB	400	0	0	0	0	132	56	17	0	32	0	0	237	5	0	5	
BKO	LT	250	0	0	0	0	179	33	14	34	0	65	0	325	7	3	4	
BK2	LT2	250	0	0	0	0	123	0	0	0	5	0	0	128	3		3	
LT	PG	150	0	0	0	0	48	8	8	4	0	8	0	76	3	2	1	
LT2	PG	150	0	0	0	0	20	0	0	0	15	0	0	35				
JB	PG	250	0	0	0	0	137	64	13	0	37	0	0	251	5		5	
PG	PGP	200	0	0	0	0	165	69	0	0	57	0	0	291	6		6	
LT	TJK	250	0	0	0	0	242	52	11	42	0	81	0	428	9	3	6	
LT2	TK2	250	0	0	0	0	161	0	0	0	5	0	0	166	4		4	
TJK	JKT	200	0	0	0	0	258	62	0	46	0	89	0	455	9	3	6	
TK2	JKT	200	0	0	0	0	174	0	0	0	0	0	0	174	4		4	
PGP	JKT	530	0	0	0	70	165	69	0	0	0	0	0	304	5		5	2
JKT	KRW	70	527	70	124	35	56	0	0	46	0	89	0	947	19		19	5
JKT	PW	70	131	13	0	6	30	100	0	0	0	0	0	280	6	3	3	
JKT	BDO	70	309	22	49	31	39	31	0	0	0	0	0	481	10	3	7	
KRW	BD2	80	221	0	30	0	34	0	0	0	0	0	0	285	6		6	2
PW	BD	80	131	13	0	6	30	100	0	0	0	0	0	280	6	3	3	
BDO	BD	80	309	22	49	31	39	31	0	0	0	0	0	481	10	3	7	
KRW	CBN	170	356	70	154	39	22	0	0	46	0	89	0	776	16		16	4
BD	CBN	150	130	17	0	6	19	100	0	0	0	0	0	272	6	3	3	
BD	PWT	200	223	39	49	29	0	31	0	0	0	0	0	371	8	3	5	
CBN	LOM	120	124	21	0	9	19	100	0	0	0	0	0	273	6	3	3	
CBN	PK	120	347	70	162	39	11	0	0	46	0	89	0	764	15		15	4
LOM	PWT	30	35	4	0	0	0	12	0	0	0	0	0	51	1	1	0	
PK	SM	150	347	70	162	39	11	0	0	46	0	89	0	764	15		15	4
LOM	SM	150	97	25	0	9	19	88	0	0	0	0	0	238	5	3	2	
PWT	YK	150	251	39	61	32	0	31	0	0	0	0	0	414	9	3	6	
YK2	SLO	50	24	3	0	0	0	0	0	0	0	0	0	27	1	1	0	
YK	SLO	50	267	41	70	35	13	31	0	0	0	0	0	457	9	3	6	
SM	SLO	100	138	30	0	13	13	88	0	0	0	0	0	282	6	3	3	
SM	PWO	70	278	70	171	39	0	0	0	46	0	89	0	693	14		14	4

FILE:B:2MG-VI.PRN

TABLE 4AC-4 CIRCUIT DIMENSIONING TABLE (2/2)

SECTION		DISTANCE IN KM	AMONG JAWA	JAWA - BALI	JAWA - SW/MK/IJ	JAWA - KALI	JAWA - SUMA 1	JAWA - SUMA 2	SUMA	SUMA - BALI	SUMA - KALI	SUMA - SW/MK/IJ	WITEL 8/10-12	TOTAL NO.OF 2M	NO.OF 140M	EXISTING NO.OF 140M	INSTALLATION 140MBIT	STM-4
SLO	PWD	50	33	0	0	0	0	0	0	0	0	0	0	33	1		1	
SLO	MN2	100	77	33	0	13	0	88	0	0	0	0	0	211	5	2	3	
SLO	MN	100	203	41	70	35	0	31	0	0	0	0	0	380	8	3	5	
MN2	SB	150	73	37	0	13	0	76	0	0	0	0	0	199	4	2	2	
MN	SB	150	208	41	78	40	0	31	0	0	0	0	0	398	8	2	6	
PWD	SB	230	245	70	171	39	0	0	0	46	0	89	0	660	13		13	4
SB	ML	70	143	168	17	10	0	24	0	46	0	0	53	461	9	2	7	
JR	ML	160	48	173	8	5	0	12	0	46	0	0	53	345	7	2	5	
JR	DPR	230	0	177	0	0	0	0	0	46	0	0	53	276	6	1	5	
SBW	DPR	300	0	59	0	0	0	0	0	33	0	0	42	134	3		3	
SBW	END	500	0	41	0	0	0	0	0	22	0	0	30	93	2		2	
KP	END	600	0	24	0	0	0	0	0	11	0	0	16	51	1		1	
SB	TKI	400	0	0	0	123	0	0	0	0	0	0	60	183	3	2	1	
BJM	TKI	100	0	0	0	123	0	0	0	0	0	0	60	183	3	2	1	
SPT	BJM	250	0	0	0	76	0	0	0	0	35	0	30	141	3	1	2	
SPT	PTK	650	0	0	0	70	0	0	0	0	46	0	16	132	3	1	2	
PGP	PTK	430	0	0	0	70	0	0	0	0	57	0	0	127	2		2	1
BJM	SMR	600	0	0	0	72	0	0	0	0	23	0	30	125	3	1	2	
TAR	SMR	450	0	0	0	16	0	0	0	0	11	0	16	43	1	1	0	
SB	BTN	700	0	0	300	0	0	0	0	0	0	89	73	462	8		8	2
UP	BTN	100	0	0	211	0	0	0	0	0	0	56	61	328	7		7	
UP	PRE	150	0	0	113	0	0	0	0	0	0	44	52	209	5	3	2	
BTS	PRE	100	0	0	88	0	0	0	0	0	0	33	42	163	4	3	1	
BTS	KDI	300	0	0	20	0	0	0	0	0	0	11	16	47	1	1	0	
BTS	PAL	250	0	0	68	0	0	0	0	0	0	22	30	120	3	2	1	
MO	PAL	750	0	0	42	0	0	0	0	0	0	11	16	69	2	2	0	
BTN	AB	1300	0	0	89	0	0	0	0	0	0	33	42	164	3		3	1
SON	AB	560	0	0	56	0	0	0	0	0	0	22	30	108	2		2	1
SON	BIA	660	0	0	36	0	0	0	0	0	0	11	16	63	1		1	1
JAP	BIA	640	0	0	36	0	0	0	0	0	0	11	16	63	1		1	1
TOTAL														18,864	390	88	302	36

NOTE : NO. of 140Mbit is calculated considering 80% efficiency on 2Mbit accommodation except for submarine cable system for which 100% of accommodation is to be designed.

Table 4AC−5 Required No. of TDMA Circuits in Palapa Satellite System

File: 4AC−5.WK1

No. TO / FROM	MDN	PG	SKN	JKT	BD	SM	SB	BJM	PTK	SMR	TAR	SGT	DPR	SBW	END	KP	DLI	KDI	GT	MO	UP	AB	TT	JAP	MPK	TOTAL END OF VI	EXISTING END OF V	INSTALL IN VI
1. MEDAN		0	6	0	0	0	0	0	0	4	1	0	8	2	1	2	0	2	0	3	6	3	22	3	14	77	32	45
2. PALEMBANG	0		2	0	0	0	0	0	0	2	1	0	3	1	1	1	0	1	0	0	0	2	0	1	0	15	28	0
3. SEKUPANG	6	2		136	23	4	23	2	2	2	1	0	3	1	1	1	0	1	0	2	3	1	0	2	0	216	0	216
4. JAKARTA	0	0	136		0	0	0	0	0	107	14	9	241	19	16	33	5	27	6	75	198	74	152	61	90	1301	246	1055
5. BANDUNG	0	0	23	0		0	0	0	0	19	4	0	40	5	4	7	0	6	0	14	32	11	0	12	0	177	0	177
6. SEMARANG	0	0	4	0	0		0	0	0	3	1	0	6	1	1	2	0	2	0	3	5	2	0	3	0	33	0	33
7. SURABAYA	0	0	23	0	0	0		0	0	18	4	0	39	5	4	7	2	6	9	14	32	10	30	12	18	233	136	97
8. BANJARMASIN	0	0	2	0	0	0	0		0	2	1	0	3	1	1	1	0	1	0	0	3	2	0	2	0	19	146	0
9. PONTIANAK	0	0	2	0	0	0	0	0		2	1	0	2	1	1	1	0	1	0	1	2	1	0	1	0	16	29	−13
10. SAMARINDA	4	2	2	107	19	3	18	2	2		1	0	3	1	1	1	0	1	0	2	3	1	0	1	0	180	90	90
11. TARAKAN	1	1	1	14	4	1	4	1	1	1		0	1	1	1	1	0	1	0	1	1	1	0	1	0	38	0	38
12. SANGATA	0	0	0	9	0	0	0	0	0	6	0		0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	0
13. DENPASAR	8	3	3	241	40	6	39	3	2	3	1	0		1	1	2	1	2	0	2	4	2	0	2	0	366	0	366
14. SUMBAWA BESAR	2	1	1	19	5	1	5	1	1	1	1	0	1		1	1	0	1	0	1	1	1	0	1	0	46	0	46
15. ENDE	1	1	1	16	4	1	4	1	1	1	1	0	1	1		1	0	1	0	1	1	1	0	1	0	40	0	40
16. KEPANG	2	1	1	33	7	2	7	1	1	1	1	0	2	1	1		0	1	0	1	1	1	0	1	0	66	0	66
17. DILLI	0	0	0	5	0	0	2	0	0	0	0	0	1	0	0	0		0	0	0	0	0	0	0	0	8	0	8
18. KENDALI	2	1	1	27	6	2	6	1	1	1	1	0	2	1	1	1	0		0	1	1	1	0	1	0	58	0	58
19. GORONTALO	0	0	0	6	0	0	9	0	0	0	0	0	0	0	0	0	0	0		9	6	0	0	0	0	30	30	0
20. MANADO	3	0	2	75	14	3	14	0	1	2	1	0	2	1	1	1	0	1	9		2	1	0	1	0	134	56	78
21. UJUNGPANDANG	6	0	3	196	32	5	32	3	2	3	1	0	4	1	1	1	0	1	6	2		2	0	2	0	303	180	123
22. AMBON	3	2	1	74	11	2	10	2	1	1	1	0	2	1	1	1	0	1	0	1	2		0	1	0	118	0	118
23. TERNATE	22	0	0	192	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	244	0	244
24. JAYAPURA	3	1	2	61	12	3	12	2	1	1	1	0	2	1	1	1	0	1	0	1	2	1	0		0	109	0	109
25. MERAUKE	14	0	0	90	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		122	0	122
TOTAL	77	15	216	1301	177	33	233	19	16	180	36	15	366	46	40	66	8	58	30	134	303	119	244	109	122	3964	966	3115

Table 4AC--6 Required No. of SCPC Circuits in Palapa Satellite System (1/7)

File: SCPC--1

WITEL	SITE NAME	EXISTING					INSTALLATION				END OF REPELITA--VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
I	1. AEKANOPAN		6		6	12	0	6	--6	0	0	12	0	12
	2. BAKONGAN		2		10	12	0	10	--10	0	0	12	0	12
	3. BALIGE	2	6		4	12	0	4	--4	0	2	10	0	12
	4. BANDA ACEH	7	17	3	11	38	0	11	--11	0	7	28	3	38
	5. BLANGKAJEREN		6		6	12	0	6	--6	0	0	12	0	12
	6. BLANGPIDI	1	4		0	5	0	0	0	0	1	4	0	5
	7. CALANG		3		9	12	0	9	--9	0	0	12	0	12
	8. GUNUNGSITOLI	2	9	2	2	15	0	57	--2	55	2	66	2	70
	9. JANTHOI				12	12	0	12	--12	0	0	12	0	12
	10. JEURAM		3		9	12	0	9	--9	0	0	12	0	12
	11. KOTAPINANG				12	12	0	12	--12	0	0	12	0	12
	12. KUTACANE	1	11	2	15	29	0	15	--15	0	1	26	2	29
	13. KWALA				12	12	0	12	--12	0		12	0	12
	14. MEDAN	10	30	2	42	84	0	42	--42	0	10	72	2	84
	15. MEULABOH	3	3	2	16	24	0	16	--16	0	3	19	2	24
	16. PENGURURAN		6		6	12	0	6	--6	0	0	12	0	12
	17. PANYABUNGAN		6		6	12	0	6	--6	0	0	12	0	12
	18. SINABANG	1	3		1	5	0	22	--1	21	1	25	0	26
	19. SINGKIL	1	3		1	5	0	1	--1	0	1	4	0	5
	20. STABAT				12	12	0	12	--12	0	0	12	0	12
	21. TANGSE				12	12	0	12	--12	0	0	12	0	12
	22. TAKENGON	2	7	1	7	17	0	7	--7	0	2	14	1	17
	23. TAPAKTUAN	2	6		4	12	0	4	--4	0	2	10	0	12
	24. TELUK DALAM				12	12	0	12	--12	0	0	12	0	12
II	25. AIR MOLEK	1	6		5	12	0	5	--5	0	1	11	0	12
	26. ALAHAN PANJANG		6		6	12	0	6	--6	0	0	12	0	12
	27. ANOA (PERTAMINA)				2	2	0	2	--2	0	0	2	0	2
	28. BAGANSIAPIAPI				5	5	0	5	--5	0	0	5	0	5
	29. BALAISELASA		6		6	12	0	6	--6	0	0	12	0	12
	30. BANGKINANG		6		6	12	0	6	--6	0	0	12	0	12
	31. BENGKALIS	8			4	12	0	4	--4	0	8	4	0	12
	32. DABOSINGKEP	4			3	7	0	32	--3	29	4	32	0	36
	33. DUMAI		2		19	21	0	19	--19	0	0	21	0	21
	34. KIJANG	1			4	5	0	4	--4	0	1	4	0	5
	35. LALANG (HUDBAY)	8			1	9	0	1	--1	0	8	1	0	9
	36. LIRIK	4			8	12	0	8	--8	0	4	8	0	12
	37. LUBUKBASUNG	2	6		4	12	0	4	--4	0	2	10	0	12
	TOTAL	60	163	12	300	535	0	405	--300	105	60	588	12	640

Table 4AC-6 Required No. of SCPC Circuits in Palapa Satellite System (2/7)

File: SCPC-2 Page 2/7

WITEL	SITE NAME	EXIEXISTING					INSTALLATION				END OF REPELITA-VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
	TRANSFERED	60	163	12	300	535	0	405	-300	105	60	568	12	640
II	38. LUBUK SIKAPING		6		6	12	0	6	-6	0	0	12	0	12
	39. MUARALABUH		6		6	12	0	6	-6	0	0	12	0	12
	40. MUARA SIBERUT	1			4	5	0	19	-4	15	1	19	0	20
	41. NATUNA (CONOCO)	1			4	5	0	4	-4	0	1	4	0	5
	42. PADANG	10	18		20	48	0	20	-20	0	10	38	0	48
	43. PAINAN	5	8		11	24	0	11	-11	0	5	19	0	24
	44. PASIR PANGARAIAN	2	6		16	24	0	16	-16	0	2	22	0	24
	45. PEKANBARU	57	14		44	115	0	44	-44	0	57	58	0	115
	46. P. KAKAP (MARATHON)	2			3	5	0	3	-3	0	2	3	0	5
	47. BATAM	9	18		9	36	0	9	-9	0	9	27	0	36
	48. RANAI	1	3		1	5	0	8	-1	7	1	11	0	12
	49. RENGAT	8			4	12	0	4	-4	0	8	4	0	12
	50. SAWAH LUNTO		4		8	12	0	8	-8	0	0	12	0	12
	51. SIJUNJUNG		6		6	12	0	6	-6	0	0	12	0	12
	52. SIMPANG EMPAT				12	12	0	12	-12	0	0	12	0	12
	53. SUNGAIDAREH		6		6	12	0	6	-6	0	0	12	0	12
	54. TALU				12	12	0	12	-12	0	0	12	0	12
	55. TALUK KUANTAN	1	6		5	12	0	5	-5	0	1	11	0	12
	56. TAREMPA	2			10	12	0	10	-10	0	2	10	0	12
	57. TEMBILAHAN	8			16	24	0	16	-16	0	8	16	0	24
III	58. ARGA MAKMUR	2	6	1	3	12	0	3	-3	0	2	9	1	12
	59. BANDAR JAYA				12	12	0	12	-12	0	0	12	0	12
	60. BANDAR LAMPUNG	9	10		8	27	0	8	-8	0	9	18	0	27
	61. BANGKO	2	11		5	18	0	5	-5	0	2	16	0	18
	62. BELITANG				12	12	0	12	-12	0	0	12	0	12
	63. BENGKULU	6	14	4	26	50	0	26	-26	0	6	40	4	50
	64. BINTUHAN		2		3	5	0	3	-3	0	0	5	0	5
	65. JAMBI	4	7		13	24	0	13	-13	0	4	20	0	24
	66. KALIANDA	5	4		3	12	0	3	-3	0	5	7	0	12
	67. KOTA AGUNG		1		11	12	0	11	-11	0	0	12	0	12
	68. KRUI	1			4	5	0	4	-4	0	1	4	0	5
	69. KUALA TUNGKAL	2	15		7	24	0	7	-7	0	2	22	0	24
	70. LAHAT	1				1	0	0	0	0	1	0	0	1
	71. LIWA	4	3		5	12	0	5	-5	0	4	8	0	12
	TOTAL	203	337	17	615	1172	0	742	-615	127	203	1079	17	1299

Table 4AC-6 Required No. of SCPC Circuits in Palapa Satellite System (3/7)

File: SCPC-3

WITEL	SITE NAME	EXISTING					INSTALLATION				END OF REPELITA-VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
	TRANSFERED	203	337	17	615	1172	0	742	-615	127	203	1079	17	1299
III	72. MANGGAR				12	12	0	12	-12	0	0	12	0	12
	73. MANNA	2	8	4	10	24	0	10	-10	0	2	18	4	24
	74. MENGGALA		1		11	12	0	11	-11	0	0	12	0	12
	75. MENTOK				12	12	0	12	-12	0	0	12	0	12
	76. MUARA AMAN		2		10	12	0	10	-10	0	0	12	0	12
	77. MUARA BUNGO	2	12		10	24	0	10	-10	0	2	22	0	24
	78. MUARA UDA				12	12	0	12	-12	0	0	12	0	12
	79. PALEMBANG	12	24	8	14	58	0	14	-14	0	12	38	8	58
	80. PANGKALPINANG	10	21	14	15	60	0	15	-15	0	10	36	14	60
	81. PENDOPO	2			10	12	0	10	-10	0	2	10	0	12
	82. PERING SEWU				12	12	0	12	-12	0	0	12	0	12
	83. SEKAYU				5	5	0	5	-5	0	0	5	0	5
	84. SUNGAI PENUH	2	15		12	29	0	12	-12	0	2	27	0	29
	85. TANJUNG PANDAN	2	11		11	24	0	11	-11	0	2	22	0	24
	86. WAYRATE		2		10	12	0	10	-10	0	0	12	0	12
IV	87. CIBINON	2				2	0	0	0	0	2	0	0	2
	88. GAMBIR	139	111	32	57	339	0	57	-57	0	139	168	32	339
	89. KALIBATA	6			6	12	0	6	-6	0	6	6	0	12
V	90. BANDUNG				16	16	0	16	-16	0	0	16	0	16
	91. PAMEUNGPEUK		5		13	18	0	13	-13	0	0	18	0	18
	92. PELABUHANRATU	2	12		10	24	0	10	-10	0	2	22	0	24
VI	93. SEMARANG		3		3	6	0	3	-3	0	0	6	0	6
	94. YOGYAKARTA		3			3	0	0	0	0	0	3	0	3
VII	95. BAWEAN	2	2		2	6	0	2	-2	0	2	4	0	6
	96. MADURA (MOBIL OIL)	1				1	0	0	0	0	1	0	0	1
	97. SURABAYA	4	42	6	32	84	0	32	-32	0	4	74	6	84
	TOTAL	391	611	81	920	2003	0	1047	-920	127	391	1658	81	2130

Table 4AC-6 Required No. of SCPC Circuits in Palapa Satellite System (4/7)

File: SCPC-4 Page 4/7

WITEL	SITE NAME	EXISTING					INSTALLATION				END OF REPELITA-VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
	TRANSFERED	391	611	81	920	2003	0	1047	-920	127	391	1658	81	2130
VIII	98. ALAS		6		6	12	0	6	-6	0	0	12	0	12
	99. AILIU	2	3		7	12	0	7	-7	0	2	10	0	12
	100. AINARO				12	12	0	20	-12	8	0	20	0	20
	101. ATAMBUA	2	9		6	17	0	6	-6	0	2	15	0	17
	102. BAA	1	2		9	12	0	9	-9	0	1	11	0	12
	103. BAJAWA	1	4		7	12	0	7	-7	0	1	11	0	12
	104. BAUCAU	3	6		8	17	0	8	-8	0	3	14	0	17
	105. CELUKANBAWANG /ARC	1			4	5	0	4	-4	0	1	4	0	5
	106. DENPASAR	31	2		9	42	0	9	-9	0	31	11	0	42
	107. DILI	45	14		7	66	0	7	-7	0	45	21	0	66
	108. ENDE	12	6		3	21	0	3	-3	0	12	9	0	21
	109. ERMERA	4				4	0	0	0	0	4	0	0	4
	110. KALABAHI	1	11		5	17	0	5	-5	0	1	16	0	17
	111. KEFAMENANU	1	6		5	12	0	5	-5	0	1	11	0	12
	112. KUPANG	15	19		14	48	0	14	-14	0	15	33	0	48
	113. LABUHAN BAJO		3		9	12	0	9	-9	0	0	12	0	12
	114. LARANTUKA	1	6		5	12	0	5	-5	0	1	11	0	12
	115. LEWOLEBA	1	4		7	12	0	7	-7	0	1	11	0	12
	116. LIQUICA	2			10	12	0	10	-10	0	2	10	0	12
	117. LOS PALOS	2	2		8	12	0	34	-8	26	2	36	0	38
	118. MALIANA	2	6		4	12	0	4	-4	0	2	10	0	12
	119. MANATUTO	2	2		8	12	0	8	-8	0	2	10	0	12
	120. MATARAM		4			4	0	0	0	0	0	4	0	4
	121. MAUMERE	7	7		-2	12	0	-2	2	0	7	5	0	12
	122. PANTE MAKASAR	2	2		8	12	0	8	-8	0	2	10	0	12
	123. RUTENG				11	11	0	11	-11	0	0	11	0	11
	124. SAME	2	6		4	12	0	22	-4	18	2	28	0	30
	125. SEBA	1	2		9	12	0	9	-9	0	1	11	0	12
	126. SOE		12			12	0	0	0	0	0	12	0	12
	127. SUAI	2	6		4	12	0	24	-4	20	2	30	0	32
	128. VIKEKE	2	2		8	12	0	8	-8	0	2	10	0	12
	129. WAIKABUBAK	2	7		3	12	0	3	-3	0	2	10	0	12
	130. WAINGAPU				8	8	0	8	-8	0	0	8	0	8
IX	131. BADAK (HUFFCO)	4			1	5	0	1	-1	0	4	1	0	5
	132. BALAIKARANGAN	2	3		7	12	0	35	-7	28	2	38	0	40
	TOTAL	544	773	81	1134	2532	0	1361	-1134	227	544	2134	81	2759

Table 4AC-6 Required No. of SCPC Circuits in Palapa Satellite System (5/7)

File: SCPC-5

WITEL	SITE NAME	EXISTING					INSTALLATION				END OF REPELITA-VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
	TRANSFERED	544	773	81	1134	2532	0	1361	-1134	227	544	2134	81	2759
IX	133. BALIKPAPAN	20	9		10	39	0	10	-10	0	20	19	0	39
	134. BANJARMASIN	22	26	4	8	60	0	8	-8	0	22	34	4	60
	135. BENGKAYANG	1	5		6	12	0	6	-6	0	1	11	0	12
	136. BONTANG 1 NGL	6			5	11	0	5	-5	0	6	5	0	11
	137. BONTANG 2		9		3	12	0	3	-3	0	0	12	0	12
	138. BUNTOK	1	17		6	24	0	6	-6	0	1	23	0	24
	139. KENDAWANGAN	2			5	7	0	5	-5	0	2	5	0	7
	140. KETAPANG	7			3	10	0	3	-3	0	7	3	0	10
	141. KOTABARU	3	5		4	12	0	4	-4	0	3	9	0	12
	142. KUALAKUAYAN		2		3	5	0	3	-3	0	0	5	0	5
	143. KUALAKURUN		3		2	5	0	2	-2	0	0	5	0	5
	144. KUALAPEMBUANG		3		2	5	0	2	-2	0	0	5	0	5
	145. LHOKTUAN	4			12	16	0	12	-12	0	4	12	0	16
	146. MALINAU	1	4		7	12	0	7	-7	0	1	11	0	12
	147. MEMPAWAH	2	5		5	12	0	5	-5	0	2	10	0	12
	148. MUARATEWEH	2	4		6	12	0	6	-6	0	2	10	0	12
	149. NANGAPINOH	1	4		7	12	0	7	-7	0	1	11	0	12
	150. NGABANG	1	6		5	12	0	5	-5	0	1	11	0	12
	151. NUNUKAN	2	2		6	10	0	6	-6	0	2	8	0	10
	152. PALANGKARAYA	34	15	4	8	61	0	8	-8	0	34	23	4	61
	153. PANGKALANBUN	2	6		10	18	0	10	-10	0	2	16	0	18
	154. PLEIHARI		5		4	9	0	4	-4	0	0	9	0	9
	155. PONTIANAK	79	7		12	98	0	12	-12	0	79	19	0	98
	156. PUTUS SIBAU	5	6		3	14	0	3	-3	0	5	9	0	14
	157. SAMARINDA	36	21		3	60	0	3	-3	0	36	24	0	60
	158. SAMBAS	4	4		4	12	0	4	-4	0	4	8	0	12
	159. SAMPIT	2	6		4	12	0	4	-4	0	2	10	0	12
	160. SANGGAU	5			3	8	0	3	-3	0	5	3	0	8
	161. SINGKAWANG	7	7		10	24	0	10	-10	0	7	17	0	24
	162. SINTANG	7	12		5	24	0	5	-5	0	7	17	0	24
	163. TAMIANGLAYANG		7		5	12	0	5	-5	0	0	12	0	12
	164. TANJUNG	2			3	5	0	3	-3	0	2	3	0	5
	165. TANJUNGREDEP	6			6	12	0	6	-6	0	6	6	0	12
	166. TANJUNGSELOR	6			6	12	0	6	-6	0	6	6	0	12
	167. TARAKAN	14	20		8	42	0	8	-8	0	14	28	0	42
	TOTAL	828	993	89	1333	3243	0	1560	-1333	227	828	2553	89	3470

Table 4AC-6 Required No. of SCPC Circuits in Palapa Satellite System (6/7)

File: SCPC-6 Page 6/7

WITEL	SITE NAME	EXISTING					INSTALLATION				END OF REPELITA-VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
	TRANSFERED	828	993	89	1333	3243	0	1560	-1333	227	828	2553	89	3470
X	168. AMPANA	1	3		8	12	0	8	-8	0	1	11	0	12
	169. AMURANG		5		7	12	0	7	-7	0	0	12	0	12
	170. BANGGAI		2		10	12	0	10	-10	0	0	12	0	12
	171. BAUBAU	4	5		8	17	0	8	-8	0	4	13	0	17
	172. ENREKANG	4			1	5	0	1	-1	0	4	1	0	5
	173. GORONTALO	1	16		2	19	0	2	-2	0	1	18	0	19
	174. JENEPONTO		6		6	12	0	6	-6	0	0	12	0	12
	175. KENDARI	16	22	11	5	54	0	5	-5	0	16	27	11	54
	176. KOLAKA	3	3		11	17	0	11	-11	0	3	14	0	17
	177. KOTAMUBAGO	2	10		5	17	0	5	-5	0	2	15	0	17
	178. LUWUK	3	14		2	19	0	2	-2	0	3	16	0	19
	179. MAMUJU	1	5		6	12	0	20	-6	14	1	25	0	26
	180. MANADO	18	14		16	48	0	16	-16	0	18	30	0	48
	181. PALOPO	5	2		17	24	0	17	-17	0	5	19	0	24
	182. PALU	28	19	16	9	72	0	9	-9	0	28	28	16	72
	183. PARIGI		6		6	12	0	6	-6	0	0	12	0	12
	184. POSO	3	1		13	17	0	13	-13	0	3	14	0	17
	185. RAHA	4	2		11	17	0	11	-11	0	4	13	0	17
	186. RANTEPAO	23	10		3	36	0	3	-3	0	23	13	0	36
	187. SIDRAP		10		2	12	0	2	-2	0	0	12	0	12
	188. SINJAI	2			15	17	0	15	-15	0	2	15	0	17
	189. SOROAKO	8				8	0	0	0	0	8	0	0	8
	190. TAHUNA	2	12		10	24	0	66	-10	56	2	78	0	80
	191. TAKALAR		6		6	12	0	6	-6	0	0	12	0	12
	192. TOLITOLI	2	4		3	9	0	3	-3	0	2	7	0	9
	193. UJUNGPANDANG SCPC	75	28	12	5	120	0	5	-5	0	75	33	12	120
	194. UNAAHA		4		8	12	0	8	-8	0	0	12	0	12
	195. WATAMPONE	7	4		6	17	0	6	-6	0	7	10	0	17
	196. WANCI						0	16	0	16	0	16	0	16
	197. WAWOTOBI	3			9	12	0	9	-9	0	3	9	0	12
XI	198. AMBON	32	12		14	58	0	14	-14	0	32	26	0	58
	199. AMBON TALAKE	7			5	12	0	5	-5	0	7	5	0	12
	200. BANDANEIRA	2	4		6	12	0	12	-6	6	2	16	0	18
	201. DOBO	2	4		6	12	0	22	-6	16	2	26	0	28
	202. BULA						0	18	0	18	0	18	0	18
	203. GANE BARAT						0	8	0	8	0	8	0	8
	204. LABUHA	1	2		9	12	0	13	-9	4	1	15	0	16
	TOTAL	1087	1228	128	1583	4026	0	1948	-1583	365	1087	3176	128	4391

Table 4AC-6 Required No. of SCPC Circuits in Palapa Satellite System (7/7)

File: SCPC-7

WITEL	SITE NAME	EXISTING					INSTALLATION				END OF REPELITA-VI			
		PA	DA	MANU	SPARE	TOTAL	PA	DA	SPARE	TOTAL	PA	DA	MANU	TOTAL
	TRANSFERED	1087	1228	128	1583	4026	0	1948	-1583	365	1087	3176	128	4391
XI	205. LAIWUI						0	8	0	8	0	8	0	8
	206. LARAT	1	3		8	12	0	8	-8	0	1	11	0	12
	207. MANGOLE	4			4	8	0	4	-4	0	4	4	0	8
	208. MASOHI	5			7	12	0	7	-7	0	5	7	0	12
	209. MOROTAI	1	2		9	12	0	9	-9	0	1	11	0	12
	210. NAMLEA	2			3	5	0	80	-3	77	2	80	0	82
	211. SANANA	2			3	5	0	30	-3	27	2	30	0	32
	212. SAUMLAKI	2	2		1	5	0	38	-1	37	2	40	0	42
	213. SOASIU	9			3	12	0	3	-3	0	9	3	0	12
	214. TERNATE	19	23		2	44	0	2	-2	0	19	25	0	44
	215. TOBELO	2	2		13	17	0	56	-13	43	2	58	0	60
	216. TUAL	4	8		12	24	0	40	-12	28	4	48	0	52
	217. WAHAI	1	2		9	12	0	9	-9	0	1	11	0	12
XII	218. AGATS						0	10	0	10	0	10	0	10
	219. BIAK	24	26		5	55	0	5	-5	0	24	31	0	55
	220. BINTUNI				12	12	0	12	-12	0	0	12	0	12
	221. FAKFAK	2	14	2	6	24	0	58	-6	52	2	72	2	76
	222. JAYAPURA	49	21	5	7	82	0	7	-7	0	49	28	5	82
	223. KAIMANA	3	8		6	17	0	21	-6	15	3	29	0	32
	224. KASIM	4			13	17	0	13	-13	0	4	13	0	17
	225. KIWIROK						0	8	0	8	0	8	0	8
	226. MANOKWARI	5	22	4		31	0	39	0	39	5	61	4	70
	227. MERAUKE	2	21	7		30	0	0	0	0	2	21	7	30
	228. NABIRE	6	6			12	0	40	0	40	6	46	0	52
	229. PANIAI TIMUR						0	16	0	16	0	16	0	16
	230. RANSIKI	2	2		8	12	0	8	-8	0	2	10	0	12
	231. SARMI				12	12	0	12	-12	0	0	12	0	12
	232. SERUI	7	6		9	22	0	29	-9	20	7	35	0	42
	233. SORONG	6	27	1	10	44	0	10	-10	0	6	37	1	44
	234. TANAHMERAH		2		10	12	0	10	-10	0	0	12	0	12
	235. TEMBAGAPURA	6	3		7	16	0	7	-7	0	6	10	0	16
	236. TEMINABUAN	1			11	12	0	35	-11	24	1	35	0	36
	237. TIMIKA	6	6		10	24	0	46	-10	36	8	52	0	60
	238. WAMENA	4	2		6	12	0	46	-6	40	4	48	0	52
	239. WAROPEN ATAS						0	8	0	8	0	8	0	8
	240. WIRIAGAR	1				1	0	0	0	0	1	0	0	1
	SINGAPORE	26			10	36	0	10	-10	0	26	10	0	36
	TOTAL	1295	1436	147	1799	4677	0	2692	-1799	893	1295	4128	147	5570

FILE:B:2MD-JAWA.PRN

TABLE 4AR-1 TRANSMISSION ROUTE IN JAWA (1/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JKT	BD	1	150	32		32	1	PW																						
JKT	BD	2	150	32		103	1	BOO																						
JKT	BD2	3	150			196	1	KRW																						
JKT	CBN	1	300	4		4	2	PW	BD																					
JKT	CBN	2	300	4		8	2	BOO	BD																					
JKT	CBN	3	240			9	1	KRW																						
JKT	SM	1	570	12		12	4	PW	BD	CBN	LOM																			
JKT	SM	2	650	12		35	6	BOO	BD	TSM	PWT	YK	SLO																	
JKT	SM	3	510			60	3	KRW	CBN	PK																				
JKT	YK2	1	720	4		12	6	PW	BD	CBN	LOM	SM	SLO																	
JKT	YK	2	500	4		18	3	BOO	BD	PWT																				
JKT	YK	3	680			33	6	KRW	CBN	PK	SM	PWD	SLO																	
JKT	PWT	1	450	4		27	4	PW	BD	CBN	LOM																			
JKT	PWT	2	350	4		12	2	BOO	BD																					
JKT	SB	1	920	32		32	7	PW	BD	CBN	LOM	SM	SLO	MN2																
JKT	SB	2	800	32		92	6	BOO	BD	PWT	YK	SLO	MN																	
JKT	SB	3	810			152	5	KRW	CBN	PK	SM	PWD																		
JKT	JR	1	1150	4		4	9	PW	BD	CBN	LOM	SM	SLO	MN2	SB	ML														
JKT	JR	2	1030	4		11	8	BOO	BD	PWT	YK	SLO	MN	SB	ML															
JKT	JR	3	1040			15	7	KRW	CBN	PK	SM	PWD	SB	ML																
JKT	ML	1	990	4		4	8	PW	BD	CBN	LOM	SM	SLO	MN2	SB															
JKT	ML	2	870	4		19	7	BOO	BD	PWT	YK	SLO	MN	SB																
JKT	ML	3	880			44	6	KRW	CBN	PK	SM	PWD	SB																	
JKT	MN2	1	770	4		4	6	PW	BD	CBN	LOM	SM	SLO																	
JKT	MN	2	650	4		11	5	BOO	BD	PWT	YK	SLO																		
JKT	MN	3	960			18	6	KRW	CBN	PK	SM	PWD	SB																	
BD	CBN	1	150	4		4	0																							
BD	SM	1	420	4		4	2	CBN	LOM																					
BD	SM	2	500	4		4	3	PWT	YK	SLO																				
BD2	SM	3	520			10	3	KRW	CBN	PK																				
BD	YK2	1	570	4		4	4	CBN	LOM	SM	SLO																			
BD	YK	2	350	4		7	1	PWT																						
BD	PWT	1	300	4		3	2	CBN	LOM																					
BD	PWT	2	200	4		4	0																							
BD	SB	1	770	8		8	5	CBN	LOM	SM	SLO	MN2																		
BD	SB	2	650	8		35	4	PWT	YK	SLO	MN																			
BD2	SB	3	820			2	5	KRW	CBN	PK	SM	PWD																		
BD2	JR	3	1050			6	7	KRW	CBN	PK	SM	PWD	SB	ML																
BD	ML	1	720	4		4	5	PWT	YK	SLO	MN	SB																		
BD2	ML	2	890			7	6	KRW	CBN	PK	SM	PWD	SB																	
BD	MN	1	500	4		6	3	PWT	YK	SLO																				
CBN	SM	1	270	4		1	1	LOM																						
CBN	YK2	1	420			1	3	LOM	SM	SLO																				
CBN	PWT	1	150	4		1	1	LOM																						
CBN	SB	1	620	4		4	4	LOM	SM	SLO	MN2																			
CBN	JR	1	850			1	6	LOM	SM	SLO	MN2	SB	ML																	
CBN	ML	1	690			1	5	LOM	SM	SLO	MN2	SB																		
CBN	MN2	1	470			1	3	LOM	SM	SLO																				

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TABLE 4AR-1 TRANSMISSION ROUTE IN JAWA (2/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	NO. OF END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
SM	YK2	1	150	4		2	1	SLO																						
SM	PWT	1	180	4		2	1	LOM																						
SM	SB	1	350	8		8	2	SLO	MN2																					
SM	SB	2	350	8		8	2	SLO	MN																					
SM	JR	1	530			1	3	PWD	SB	ML																				
SM	ML	1	420	4		2	3	SLO	MN2	SB																				
SM	MN2	1	200	4		1	1	SLO																						
YK	PWT	1	150	4		1	0																							
YK2	SB	1	300	4		4	2	SLO	MN2																					
YK	SB	2	300	4		6	2	SLO	MN																					
YK2	JR	1	530			1	4	SLO	MN2	SB	ML																			
YK	ML	1	370	4		2	3	SLO	MN	SB																				
YK	MN	1	150	4		1	1	SLO																						
PWT	SB	1	450	4		7	3	YK	SLO	MN																				
PWT	JR	1	760			1	6	LOM	SM	SLO	MN2	SB	ML																	
PWT	ML	1	600			1	5	LOM	SM	SLO	MN2	SB																		
PWT	MN	1	300			1	2	YK	SLO																					
SB	JR	1	230	8		6	1	ML																						
SB	ML	1	70	16		11	0																							
SB	MN	1	150	4		6	0																							
JR	ML	1	160	1		1	0																							
JR	MN2	1	380			1	2	ML	SB																					
ML	MN2	1	220			1	1	SB																						

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TABLE 4AR-2 TRANSMISSION ROUTE BETWEEN JAWA AND BALI

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JKT	DPR	1	1380	4		8	10	PW	BD	CBN	LOM	SM	SLO	MN2	SB	ML	JR													
JKT	DPR	2	1260	4		22	9	BOO	BD	PWT	YK	SLO	MN	SB	ML	JR														
JKT	DPR	3	1270			51	8	KRW	CBN	PK	SM	PWD	SB	ML	JR															
JKT	SBW	1	1680			5	9	KRW	CBN	PK	SM	PWD	SB	ML	JR	DPR														
JKT	SBW	2	1560			2	10	PW	BD	PWT	YK	SLO	MN	SB	ML	JR	DPR													
JKT	END	1	2180			5	10	KRW	CBN	PK	SM	PWD	SB	ML	JR	DPR	SBW													
JKT	END	2	2060			1	11	PW	BD	PWT	YK	SLO	MN	SB	ML	JR	DPR	SBW												
JKT	KP	1	2780			9	11	KRW	CBN	PK	SM	PWD	SB	ML	JR	DPR	SBW	END												
JKT	KP	2	2660			2	12	PW	BD	PWT	YK	SLO	MN	SB	ML	JR	DPR	SBW	END											
BD	DPR	1	1230			2	8	CBN	LOM	SM	SLO	MN2	SB	ML	JR															
BD	DPR	2	1110	4		12	7	PWT	YK	SLO	MN	SB	ML	JR																
BD	SBW	1	1530			2	9	CBN	LOM	SM	SLO	MN2	SB	ML	JR	DPR														
BD	END	1	2030			2	10	CBN	LOM	SM	SLO	MN2	SB	ML	JR	DPR	SBW													
BD	KP	1	2630			3	11	CBN	LOM	SM	SLO	MN2	SB	ML	JR	DPR	SBW	END												
CBN	DPR	1	1080			1	7	LOM	SM	SLO	MN2	SB	ML	JR																
CBN	SBW	1	1380			1	8	LOM	SM	SLO	MN2	SB	ML	JR	DPR															
CBN	END	1	1880			1	9	LOM	SM	SLO	MN2	SB	ML	JR	DPR	SBW														
CBN	KP	1	2480			1	10	LOM	SM	SLO	MN2	SB	ML	JR	DPR	SBW	END													
SM	DPR	1	810	4		2	5	SLO	MN2	SB	ML	JR																		
SM	SBW	1	1110			1	6	SLO	MN2	SB	ML	JR	DPR																	
SM	END	1	1610			1	7	SLO	MN2	SB	ML	JR	DPR	SBW																
SM	KP	1	2210			1	8	SLO	MN2	SB	ML	JR	DPR	SBW	END															
YK	DPR	1	760	4		2	5	SLO	MN	SB	ML	JR																		
YK2	SBW	1	1060			1	6	SLO	MN2	SB	ML	JR	DPR																	
YK2	END	1	1560			1	7	SLO	MN2	SB	ML	JR	DPR	SBW																
YK2	KP	1	2160			1	8	SLO	MN2	SB	ML	JR	DPR	SBW	END															
PWT	DPR	1	990			1	7	LOM	SM	SLO	MN2	SB	ML	JR																
PWT	SBW	1	1290			1	8	LOM	SM	SLO	MN2	SB	ML	JR	DPR															
PWT	END	1	1790			1	9	LOM	SM	SLO	MN2	SB	ML	JR	DPR	SBW														
PWT	KP	1	2390			1	10	LOM	SM	SLO	MN2	SB	ML	JR	DPR	SBW	END													
SB	DPR	1	460	12		13	2	ML	JR																					
SB	SBW	1	760			2	3	ML	JR	DPR																				
SB	END	1	1260			2	4	ML	JR	DPR	SBW																			
SB	KP	1	1860			3	5	ML	JR	DPR	SBW	END																		
JR	DPR	1	230	4		1	0																							
JR	SBW	1	530			1	1	DPR																						
JR	END	1	1030			1	2	DPR	SBW																					
JR	KP	1	1630			1	3	DPR	SBW	END																				
ML	DPR	1	390			2	1	JR																						
ML	SBW	1	690			1	2	JR	DPR																					
ML	END	1	1190			1	3	JR	DPR	SBW																				
ML	KP	1	1790			1	4	JR	DPR	SBW	END																			
MN2	DPR	1	610			1	3	SB	ML	JR																				
MN2	SBW	1	910			1	4	SB	ML	JR	DPR																			
MN2	END	1	1410			1	5	SB	ML	JR	DPR	SBW																		
MN2	KP	1	2010			1	6	SB	ML	JR	DPR	SBW	END																	

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TABLE 4AR-3 TRANSMISSION ROUTE BETWEEN JAWA AND SULAWESI/MALUK/IRIAN (1/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JKT	UP	1	1610	51	7	KRW	CBN	PK	SM	PWD	SB	BTN																	
JKT	UP	2	1600	15	8	BOO	BD	PWT	YK	SLO	MN	SB	BTN																
JKT	PRE	1	1760	12	8	KRW	CBN	PK	SM	PWD	SB	BTN	UP																
JKT	MO	1	2860	20	11	KRW	CBN	PK	SM	PWD	SB	BTN	UP	PRE	BTS	PAL													
JKT	MO	2	2850	5	12	BOO	BD	PWT	YK	SLO	MN	SB	BTN	UP	PRE	BTS	PAL												
JKT	PAL	1	2110	10	10	KRW	CBN	PK	SM	PWD	SB	BTN	UP	PRE	BTS														
JKT	PAL	2	2100	3	11	BOO	BD	PWT	YK	SLO	MN	SB	BTN	UP	PRE	BTS													
JKT	KDI	1	2160	8	10	KRW	CBN	PK	SM	PWD	SB	BTN	UP	PRE	BTS														
JKT	KDI	2	2150	1	11	BOO	BD	PWT	YK	SLO	MN	SB	BTN	UP	PRE	BTS													
JKT	AB	1	2810	14	7	KRW	CBN	PK	SM	PWD	SB	BTN																	
JKT	AB	2	2800	4	8	BOO	BD	PWT	YK	SLO	MN	SB	BTN																
JKT	SON	1	3370	9	8	KRW	CBN	PK	SM	PWD	SB	BTN	AB																
JKT	JAP	1	4670	21	11	BOO	BD	PWT	YK	SLO	MN	SB	BTN	AB	SON	BIA													
BD2	UP	1	1620	11	7	KRW	CBN	PK	SM	PWD	SB	BTN																	
BD2	PRE	1	1770	3	8	KRW	CBN	PK	SM	PWD	SB	BTN	UP																
BD2	MO	1	2870	5	11	KRW	CBN	PK	SM	PWD	SB	BTN	UP	PRE	BTS	PAL													
BD2	PAL	1	2120	3	10	KRW	CBN	PK	SM	PWD	SB	BTN	UP	PRE	BTS														
BD2	KDI	1	2170	2	10	KRW	CBN	PK	SM	PWD	SB	BTN	UP	PRE	BTS														
BD2	AB	1	2820	4	7	KRW	CBN	PK	SM	PWD	SB	BTN																	
BD2	SON	1	3380	2	8	KRW	CBN	PK	SM	PWD	SB	BTN	AB																
BD2	JAP	1	4680	4	9	PWT	YK	SLO	MN	SB	BTN	AB	SON	BIA															
CBN	UP	1	1370	1	5	PK	SM	PWD	SB	BTN																			
CBN	PRE	1	1520	1	6	PK	SM	PWD	SB	BTN	UP																		
CBN	MO	1	2620	1	9	PK	SM	PWD	SB	BTN	UP	PRE	BTS	PAL															
CBN	PAL	1	1870	1	8	PK	SM	PWD	SB	BTN	UP	PRE	BTS																
CBN	KDI	1	1920	1	8	PK	SM	PWD	SB	BTN	UP	PRE	BTS																
CBN	AB	1	2570	1	5	PK	SM	PWD	SB	BTN																			
CBN	SON	1	3130	1	6	PK	SM	PWD	SB	BTN	AB																		
CBN	JAP	1	4430	1	8	PK	SM	PWD	SB	BTN	AB	SON	BIA																
SM	UP	1	1100	2	3	PWD	SB	BTN																					
SM	PRE	1	1250	1	4	PWD	SB	BTN	UP																				
SM	MO	1	2350	1	7	PWD	SB	BTN	UP	PRE	BTS	PAL																	
SM	PAL	1	1600	1	6	PWD	SB	BTN	UP	PRE	BTS																		
SM	KDI	1	1650	1	6	PWD	SB	BTN	UP	PRE	BTS																		
SM	AB	1	2300	1	3	PWD	SB	BTN																					
SM	SON	1	2860	1	4	PWD	SB	BTN	AB																				
SM	JAP	1	4160	1	6	PWD	SB	BTN	AB	SON	BIA																		
YK	UP	1	1100	2	4	SLO	MN	SB	BTN																				
YK	PRE	1	1250	1	5	SLO	MN	SB	BTN	UP																			
YK	MO	1	2350	1	8	SLO	MN	SB	BTN	UP	PRE	BTS	PAL																
YK	PAL	1	1600	1	7	SLO	MN	SB	BTN	UP	PRE	BTS																	
YK	KDI	1	1650	1	7	SLO	MN	SB	BTN	UP	PRE	BTS																	
YK	AB	1	2300	1	4	SLO	MN	SB	BTN																				
YK	SON	1	2860	1	5	SLO	MN	SB	BTN	AB																			
YK	JAP	1	4160	1	7	SLO	MN	SB	BTN	AB	SON	BIA																	

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TABLE 4AR-3 TRANSMISSION ROUTE BETWEEN JAWA AND SULAWESI/MALUK/IRIAN (2/2)

D-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST VI	NO. OF END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PWT	UP	1	1250	1	5	YK	SLO	MN	SB	BTN																			
PWT	PRE	1	1400	1	6	YK	SLO	MN	SB	BTN	UP																		
PWT	MO	1	2500	1	9	YK	SLO	MN	SB	BTN	UP	PRE	BTS	PAL															
PWT	PAL	1	1750	1	8	YK	SLO	MN	SB	BTN	UP	PRE	BTS																
PWT	KDI	1	1800	1	8	YK	SLO	MN	SB	BTN	UP	PRE	BTS																
PWT	AB	1	2450	1	5	YK	SLO	MN	SB	BTN																			
PWT	SON	1	3010	1	6	YK	SLO	MN	SB	BTN	AB																		
PWT	JAP	1	4310	1	8	YK	SLO	MN	SB	BTN	AB	SON	BIA																
SB	UP	1	800	11	1	BTN																							
SB	PRE	1	950	3	2	BTN	UP																						
SB	MO	1	2050	5	5	BTN	UP	PRE	BTS	PAL																			
SB	PAL	1	1300	3	4	BTN	UP	PRE	BTS																				
SB	KDI	1	1350	2	4	BTN	UP	PRE	BTS																				
SB	AB	1	2000	4	1	BTN																							
SB	SON	1	2560	2	2	BTN	AB																						
SB	JAP	1	3860	4	4	BTN	AB	SON	BIA																				
JR	UP	1	1030	1	3	ML	SB	BTN																					
JR	PRE	1	1180	1	4	ML	SB	BTN	UP																				
JR	MO	1	2280	1	7	ML	SB	BTN	UP	PRE	BTS	PAL																	
JR	PAL	1	1530	1	6	ML	SB	BTN	UP	PRE	BTS																		
JR	KDI	1	1580	1	6	ML	SB	BTN	UP	PRE	BTS																		
JR	AB	1	2230	1	3	ML	SB	BTN																					
JR	SON	1	2790	1	4	ML	SB	BTN	AB																				
JR	JAP	1	4090	1	6	ML	SB	BTN	AB	SON	BIA																		
ML	UP	1	870	2	2	SB	BTN																						
ML	PRE	1	1020	1	3	SB	BTN	UP																					
ML	MO	1	2120	1	6	SB	BTN	UP	PRE	BTS	PAL																		
ML	PAL	1	1370	1	5	SB	BTN	UP	PRE	BTS																			
ML	KDI	1	1420	1	5	SB	BTN	UP	PRE	BTS																			
ML	AB	1	2070	1	2	SB	BTN																						
ML	SON	1	2630	1	3	SB	BTN	AB																					
ML	JAP	1	3930	1	5	SB	BTN	AB	SON	BIA																			
MN	UP	1	950	1	2	SB	BTN																						
MN	PRE	1	1100	1	3	SB	BTN	UP																					
MN	MO	1	2200	1	6	SB	BTN	UP	PRE	BTS	PAL																		
MN	PAL	1	1450	1	5	SB	BTN	UP	PRE	BTS																			
MN	KDI	1	1500	1	5	SB	BTN	UP	PRE	BTS																			
MN	AB	1	2150	1	2	SB	BTN																						
MN	SON	1	2710	1	3	SB	BTN	AB																					
MN	JAP	1	4010	1	5	SB	BTN	AB	SON	BIA																			

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TABLE 4AR-4 TRANSMISSION ROUTE BETWEEN JAWA AND KALIMANTAN (1/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JKT	BJM	1	1420	4		4	9	PW	BD	CBN	LOM	SM	SLO	MN2	SB	TKI														
JKT	BJM	2	1300	4		4	8	BOO	BD	PWT	YK	SLO	MN	SB	TKI															
JKT	BJM	3	1310			16	7	KRW	CBN	PK	SM	PWD	SB	TKI																
JKT	BJM	4	1860			18	3	PGP	PTK	SPT																				
JKT	SPT	1	1550			3	8	KRW	CBN	PK	SM	PWD	SB	TKI	BJM															
JKT	SPT	2	1610			4	2	PGP	PTK																					
JKT	SMR	1	1900			8	9	BOO	BD	PWT	YK	SLO	MN	SB	TKI	BJM														
JKT	SMR	2	1910			8	8	KRW	CBN	PK	SM	PWD	SB	TKI	BJM															
JKT	SMR	3	2460			20	4	PGP	PTK	SPT	BJM																			
JKT	TAR	1	2350			2	10	BOO	BD	PWT	YK	SLO	MN	SB	TKI	BJM	SMR													
JKT	TAR	2	2910			3	5	PGP	PTK	SPT	BJM	SMR																		
JKT	PTK	1	2320			8	9	KRW	CBN	PK	SM	PWD	SB	TKI	BJM	SPT														
JKT	PTK	2	2200			4	10	BOO	BD	PWT	YK	SLO	MN	SB	TKI	BJM	SPT													
JKT	PTK	3	960			10	1	PGP																						
BD	BJM	1	1150			4	7	KRW	CBN	PK	SM	PWD	SB	TKI																
BD	BJM	2	2010			4	5	BOO	JKT	PGP	PTK	SPT																		
BD	SPT	1	1760			2	4	BOO	JKT	PGP	PTK																			
BD	SMR	1	1750			7	7	PWT	YK	SLO	MN	SB	TKI	BJM																
BD	TAR	1	2200			2	8	PWT	YK	SLO	MN	SB	TKI	BJM	SMR															
BD	PTK	1	1110			5	3	BOO	JKT	PGP																				
CBN	BJM	1	1120			1	6	LOM	SM	SLO	MN2	SB	TKI																	
CBN	SPT	1	1370			1	7	LOM	SM	SLO	MN2	SB	TKI	BJM																
CBN	SMR	1	1720			1	7	LOM	SM	SLO	MN2	SB	TKI	BJM																
CBN	TAR	1	2170			1	8	LOM	SM	SLO	MN2	SB	TKI	BJM	SMR															
CBN	PTK	1	1260			1	4	BD	PW	JKT	PGP																			
SM	BJM	1	850			2	4	SLO	MN2	SB	TKI																			
SM	SPT	1	1100			1	5	SLO	MN2	SB	TKI	BJM																		
SM	SMR	1	1450			1	5	SLO	MN2	SB	TKI	BJM																		
SM	TAR	1	1900			1	6	SLO	MN2	SB	TKI	BJM	SMR																	
SM	PTK	1	1530			1	6	LOM	CBN	BD	PW	JKT	PGP																	
YK	BJM	1	800			1	4	SLO	MN	SB	TKI																			
YK	SPT	1	1050			1	5	SLO	MN	SB	TKI	BJM																		
YK	SMR	1	1400			1	5	SLO	MN	SB	TKI	BJM																		
YK	TAR	1	1850			1	6	SLO	MN	SB	TKI	BJM	SMR																	
YK	PTK	1	1460			1	5	PWT	BD	BOO	JKT	PGP																		
PWT	BJM	1	950			1	5	YK	SLO	MN	SB	TKI																		
PWT	SPT	1	1200			1	6	YK	SLO	MN	SB	TKI	BJM																	
PWT	SMR	1	1550			1	6	YK	SLO	MN	SB	TKI	BJM																	
PWT	TAR	1	2000			1	7	YK	SLO	MN	SB	TKI	BJM	SMR																
PWT	PTK	1	1310			1	4	BD	BOO	JKT	PGP																			
SB	BJM	1	500			7	1	TKI																						
SB	SPT	1	750			2	2	TKI	BJM																					
SB	SMR	1	1100			6	2	TKI	BJM																					
SB	TAR	1	1550			2	3	TKI	BJM	SMR																				
SB	PTK	1	1400			4	3	TKI	BJM	SPT																				

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TABLE 4AR-4 TRANSMISSION ROUTE BETWEEN JAWA AND KALIMANTAN (2/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JR	BJM	1	730	1	3	ML	SB	TKI																					
JR	SPT	1	980	1	4	ML	SB	TKI	BJM																				
JR	SMR	1	1330	1	4	ML	SB	TKI	BJM																				
JR	TAR	1	1780	1	5	ML	SB	TKI	BJM	SMR																			
JR	PTK	1	1630	1	5	ML	SB	TKI	BJM	SPT																			
ML	BJM	1	570	1	2	SB	TKI																						
ML	SPT	1	820	1	3	SB	TKI	BJM																					
ML	SMR	1	1170	1	3	SB	TKI	BJM																					
ML	TAR	1	1620	1	4	SB	TKI	BJM	SMR																				
ML	PTK	1	1470	1	4	SB	TKI	BJM	SPT																				
MN	BJM	1	650	1	2	SB	TKI																						
MN	SPT	1	900	1	3	SB	TKI	BJM																					
MN	SMR	1	1250	1	3	SB	TKI	BJM																					
MN	TAR	1	1700	1	4	SB	TKI	BJM	SMR																				
MN	PTK	1	1550	1	4	SB	TKI	BJM	SPT																				

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TABLE 4AR-5 TRANSMISSION ROUTE BETWEEN JAWA AND SUMATRA (1/4)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JKT	MDN	1	1610	44	64	6	TJK	LT	BKO	PD	BTB	SBG																	
JKT	MDN	2	1880		60	4	PGP	PG	JB	PBR																			
JKT	MDN	3	1610		35	6	TK2	LT2	BK2	PD2	BTB	SBG																	
JKT	SBG	1	1410	4	4	5	TJK	LT	BKO	PD	BTB																		
JKT	SBG	2	2080		4	5	PGP	PG	JB	PBR	MDN																		
JKT	SBG	3	1410		2	5	TK2	LT2	BK2	PD2	BTB																		
JKT	LSM	1	1910		8	7	TJK	LT	BKO	PD	BTB	SBG	MDN																
JKT	LSM	2	2180		12	5	PGP	PG	JB	PBR	MDN																		
JKT	LSM	3	2210		11	7	TK2	LT2	BK2	PD2	BTB	SBG	BNA																
JKT	BNA	1	2110		4	8	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM															
JKT	BNA	2	2380		8	6	PGP	PG	JB	PBR	MDN	LSM																	
JKT	BNA	3	2010		8	6	TK2	LT2	BK2	PD2	BTB	SBG																	
JKT	PG	1	600	24	24	2	TJK	LT																					
JKT	PG	2	730		12	1	PGP																						
JKT	PG	3	600		15	2	TK2	LT2																					
JKT	TJK	1	200	18	18	0																							
JKT	TJK	2	1130		8	3	PGP	PG	LT																				
JKT	TK2	3	200		9	0																							
JKT	LT	1	450	8	16	1	TJK																						
JKT	LT	2	880		8	2	PGP	PG																					
JKT	LT2	3	450		14	1	TK2																						
JKT	JB	1	860	4	8	3	TJK	LT	BKO																				
JKT	JB	2	980		4	2	PGP	PG																					
JKT	JB	3	860		8	3	TK2	LT2	BK2																				
JKT	PD	1	1040	12	12	3	TJK	LT	BKO																				
JKT	PD	2	1650		11	5	PGP	PG	JB	PBR	BTB																		
JKT	PD2	3	1040		12	3	TK2	LT2	BK2																				
JKT	PBR	1	1310	4	8	5	TJK	LT	BKO	PD	BTB																		
JKT	PBR	2	1380		8	3	PGP	PG	JB																				
JKT	PBR	3	1310		11	5	TK2	LT2	BK2	PD2	BTB																		
JKT	SKN	1	1610	4	12	6	TJK	LT	BKO	PD	BTB	PBR																	
JKT	SKN	2	1680		20	4	PGP	PG	JB	PBR																			
JKT	SKN	3	1610		14	6	TK2	LT2	BK2	PD2	BTB	PBR																	
BD	MDN	1	1760	4	4	8	PW	JKT	TJK	LT	BKO	PD	BTB	SBG															
BD2	MDN	2	1760		4	8	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG															
BD	MDN	3	2030		3	6	PW	JKT	PGP	PG	JB	PBR																	
BD	MDN	4	1760		15	8	BOO	JKT	TK2	LT2	BK2	PD2	BTB	SBG															
BD2	SBG	1	1560		2	7	KRW	JKT	TJK	LT	BKO	PD	BTB																
BD2	LSM	1	2060		6	9	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN														
BD2	BNA	1	2260		4	10	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM													
BD	PG	1	750	4	4	4	PW	JKT	TJK	LT																			
BD	PG	2	750		5	4	BOO	JKT	TK2	LT2																			
BD2	TJK	1	350		3	2	KRW	JKT																					
BD	TK2	2	350		4	2	BOO	JKT																					
BD2	LT	1	600		3	3	KRW	JKT	TJK																				
BD	LT2	2	600		4	3	BOO	JKT	TK2																				
BD2	JB	1	1010		2	5	KRW	JKT	TJK	LT	BKO																		
BD	JB	2	1010		2	5	BOO	JKT	TK2	LT2	BK2																		

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TABLE 4AR-5 TRANSMISSION ROUTE BETWEEN JAWA AND SUMATRA (2/4)

D-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	NO. OF END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
BD2	PD	1	1190			3	5	KRW	JKT	TJK	LT	BKO																		
BD	PD2	2	1190			3	5	BDO	JKT	TK2	LT2	BK2																		
BD2	PBR	1	1460			3	7	KRW	JKT	TJK	LT	BKO	PD	BTB																
BD	PBR	2	1460			2	7	BDO	JKT	TK2	LT2	BK2	PD2	BTB																
BD2	SKN	1	1760			4	8	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR															
BD	SKN	2	1830			4	6	BDO	JKT	PGP	PG	JB	PBR																	
CBN	MDN	1	1910	4		1	9	PW	PW	JKT	TJK	LT	BKO	PD	BTB	SBG														
CBN	SBG	1	1650			1	7	KRW	JKT	TJK	LT	BKO	PD	BTB																
CBN	LSM	1	2150			1	9	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN														
CBN	BNA	1	2350			1	10	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM													
CBN	PG	1	900	4		1	5	PW	PW	JKT	TJK	LT																		
CBN	TJK	1	440			1	2	KRW	JKT																					
CBN	LT	1	690			1	3	KRW	JKT	TJK																				
CBN	JB	1	1100			1	5	KRW	JKT	TJK	LT	BKO																		
CBN	PD	1	1280			1	5	KRW	JKT	TJK	LT	BKO																		
CBN	PBR	1	1550			1	7	KRW	JKT	TJK	LT	BKO	PD	BTB																
CBN	SKN	1	1850			1	8	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR															
SM	MDN	1	2180	4		4	11	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG												
SM	MDN	2	2390			0	8	PK	CBN	KRW	JKT	PGP	PG	JB	PBR															
SM	SBG	1	1920			1	9	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB														
SM	LSM	1	2420			1	11	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN												
SM	BNA	1	2620			1	12	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM											
SM	PG	1	1170	4		2	7	LOM	CBN	BD	PW	JKT	TJK	LT																
SM	TJK	1	710			1	4	PK	CBN	KRW	JKT																			
SM	LT	1	960			2	5	PK	CBN	KRW	JKT	TJK																		
SM	JB	1	1370			1	7	PK	CBN	KRW	JKT	TJK	LT	BKO																
SM	PD	1	1550			1	7	PK	CBN	KRW	JKT	TJK	LT	BKO																
SM	PBR	1	1820			1	9	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB														
SM	SKN	1	2120			2	10	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR													
YK	MDN	1	2330	4		3	13	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG										
YK	SBG	1	2130			1	12	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB											
YK	LSM	1	2630			1	14	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN									
YK	BNA	1	2830			1	15	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM								
YK	PG	1	1320	4		1	9	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT														
YK	TJK	1	920			1	7	SLO	SM	LOM	CBN	BD	PW	JKT																
YK	LT	1	1170			1	8	SLO	SM	LOM	CBN	BD	PW	JKT	TJK															
YK	JB	1	1700			1	9	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG														
YK	PD	1	1760			1	10	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO													
YK	PBR	1	2100			1	10	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB													
YK	SKN	1	2400			1	11	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR												

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TABLE 4AR-5 TRANSMISSION ROUTE BETWEEN JAWA AND SUMATRA (3/4)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PWT	MDN	1	2060	4	2	11	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG													
PWT	SBG	1	2330		1	10	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB														
PWT	LSM	1	2630		1	10	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	MDN														
PWT	BNA	1	2830		1	11	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	MDN	LSM													
PWT	PG	1	1050	4	1	7	LOM	CBN	BD	PW	JKT	TJK	LT																	
PWT	TJK	1	650		1	5	LOM	CBN	BD	PW	JKT																			
PWT	LT	1	900		1	6	LOM	CBN	BD	PW	JKT	TJK																		
PWT	JB	1	1430		1	7	LOM	CBN	BD	PW	JKT	PGP	PG																	
PWT	PD	1	1490		1	8	LOM	CBN	BD	PW	JKT	TJK	LT	BKO																
PWT	PBR	1	1830		1	8	LOM	CBN	BD	PW	JKT	PGP	PG	JB																
PWT	SKN	1	2130		1	9	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR															
SB	MDN	1	2410	8	8	13	MN	SLO	YK	PWT	BD	BOO	JKT	TJK	LT	BKO	PD	BTB	SBG											
SB	MDN	2	2530	4	4	14	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG										
SB	MDN	3	2680		14	11	MN	SLO	YK	PWT	BD	BOO	JKT	PGP	PG	JB	PBR													
SB	SBG	1	2800		2	13	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB											
SB	LSM	1	3100		6	13	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	MDN											
SB	BNA	1	3400		4	14	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB	SBG										
SB	PG	1	1400	4	4	9	MN	SLO	YK	PWT	BD	BOO	JKT	TJK	LT															
SB	PG	2	1650		5	9	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP															
SB	TJK	1	1120	4	6	8	MN2	SLO	SM	LOM	CBN	BD	PW	JKT																
SB	LT	1	1370		7	9	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK															
SB	JB	1	1900		4	10	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG														
SB	PD	1	1960		6	11	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO													
SB	PBR	1	2300		5	11	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB													
SB	SKN	1	2530		3	14	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	PBR										
SB	SKN	2	2480		5	11	MN	SLO	YK	PWT	BD	BOO	JKT	PGP	PG	JB	PBR													
JR	MDN	1	2760		2	16	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG								
JR	SBG	1	3030		1	15	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB									
JR	LSM	1	3330		1	15	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	MDN									
JR	BNA	1	3630		1	16	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB	SBG								
JR	PG	1	1750		1	12	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT												
JR	TJK	1	1350		1	10	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT														
JR	LT	1	1600		1	11	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK													
JR	JB	1	2130		1	12	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG												
JR	PD	1	2190		1	13	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO											
JR	PBR	1	2530		1	13	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB											
JR	SKN	1	2830		1	14	ML	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR										
ML	MDN	1	2600		2	15	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG									
ML	SBG	1	2870		1	14	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB										
ML	LSM	1	3170		1	14	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	MDN										
ML	BNA	1	3470		1	15	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB	SBG									
ML	PG	1	1590		1	11	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT													
ML	TJK	1	1190		1	9	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT															
ML	LT	1	1440		1	10	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK														
ML	JB	1	1970		1	11	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG													
ML	PD	1	2030		1	12	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO												
ML	PBR	1	2370		1	12	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB												
ML	SKN	1	2670		1	13	SB	MN2	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR											

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TABLE 4AR-5 TRANSMISSION ROUTE BETWEEN JAWA AND SUMATRA (4/4)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
MN2	MDN	1	2380		2	13	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO	PD	BTB	SBG										
MN2	SBG	1	2650		1	12	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB											
MN2	LSM	1	2950		1	12	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	MDN											
MN2	SNA	1	3250		1	13	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR	BTB	SBG										
MN2	PG	1	1370		1	9	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT														
MN2	TJK	1	970		1	7	SLO	SM	LOM	CBN	BD	PW	JKT																
MN2	LT	1	1220		1	8	SLO	SM	LOM	CBN	BD	PW	JKT	TJK															
MN2	JB	1	1750		1	9	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG														
MN2	PD	1	1810		1	10	SLO	SM	LOM	CBN	BD	PW	JKT	TJK	LT	BKO													
MN2	PBR	1	2150		1	10	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB													
MN2	SKN	1	2450		1	11	SLO	SM	LOM	CBN	BD	PW	JKT	PGP	PG	JB	PBR												

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TABLE 4AR-6 TRANSMISSION ROUTE IN SUMATRA (1/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
MDN	SBG	1	200	8	1	0																							
MDN	LSM	1	300	12	2	0																							
MDN	BNA	1	500	14	1	1	LSM																						
MDN	BNA	2	800		0	1	SBG																						
MDN	PG	1	1310	4	0	5	SBG	BTB	PD	BKO	LT																		
MDN	PG	2	1150		2	2	PBR	JB																					
MDN	TJK	1	1550		2	4	PBR	JB	PG	LT																			
MDN	TJK	2	1410		0	5	SBG	BTB	PD	BKO	LT																		
MDN	LT	1	1160	4	2	4	SBG	BTB	PD	BKO																			
MDN	LT	2	1300		0	3	PBR	JB	PG																				
MDN	JB	1	900		1	1	PBR																						
MDN	JB	2	1070		0	4	SBG	BTB	PD	BKO																			
MDN	PD	1	570	8	2	2	SBG	BTB																					
MDN	PD	2	770		0	2	PBR	BTB																					
MDN	PBR	1	500		2	0																							
MDN	PBR	2	700	3	0	2	SBG	BTB																					
MDN	SKN	1	800		2	1	PBR																						
MDN	SKN	2	1000	1	0	3	SBG	PBR																					
SBG	LSM	1	500		1	1	MDN																						
SBG	BNA	1	600		1	0																							
SBG	PG	1	950		1	3	BTB	PBR	JB																				
SBG	TJK	1	1210		1	4	BTB	PD	BKO	LT																			
SBG	LT	1	960		1	3	BTB	PD	BKO																				
SBG	JB	1	900		1	2	BTB	PBR																					
SBG	PD	1	370		1	1	BTB																						
SBG	PBR	1	500		1	1	BTB																						
SBG	SKN	1	800		1	2	BTB	PBR																					
LSM	BNA	1	200	2	1	0																							
LSM	PG	1	1450		1	3	MDN	PBR	JB																				
LSM	TJK	1	1710		1	6	MDN	SBG	BTB	PD	BKO	LT																	
LSM	LT	1	1460		1	5	MDN	SBG	BTB	PD	BKO																		
LSM	JB	1	1200		1	2	MDN	PBR																					
LSM	PD	1	870		1	3	MDN	SBG	BTB																				
LSM	PBR	1	800		1	1	MDN																						
LSM	SKN	1	1100		1	2	MDN	PBR																					
BNA	PG	1	1650		1	4	LSM	MDN	PBR	JB																			
BNA	TJK	1	1810		1	5	SBG	BTB	PD	BKO	LT																		
BNA	LT	1	1560		1	4	SBG	BTB	PD	BKO																			
BNA	JB	1	1400		1	3	LSM	MDN	PBR																				
BNA	PD	1	970		1	2	SBG	BTB																					
BNA	PBR	1	1000		1	2	LSM	MDN																					
BNA	SKN	1	1300		1	3	LSM	MDN	PBR																				

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TABLE 4AR-6 TRANSMISSION ROUTE IN SUMATRA (2/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PG	TJK	1	400	4	1	1	LT																						
PG	LT	1	150	4	1	0																							
PG	JB	1	250		1	0																							
PG	JB	2	560	4	0	2	LT	BKO																					
PG	PD	1	740	4	1	2	LT	BKO																					
PG	PBR	1	650		1	1	JB																						
PG	PBR	2	1010	4	0	4	LT	BKO	PD	BTB																			
PG	SKN	1	950		1	2	JB	PBR																					
PG	SKN	2	1310	4	0	5	LT	BKO	PD	BTB	PBR																		
TJK	LT	1	250		1	0																							
TJK	JB	1	660		1	2	LT	BKO																					
TJK	PD	1	840		1	2	LT	BKO																					
TJK	PBR	1	1110		1	4	LT	BKO	PD	BTB																			
TJK	SKN	1	1410		1	5	LT	BKO	PD	BTB	PBR																		
LT	JB	1	400		1	1	PG																						
LT	PD	1	590		1	1	BKO																						
LT	PBR	1	800		1	2	PG	JB																					
LT	SKN	1	1100		1	3	PG	JB	PBR																				
JB	PD	1	500		1	1	BKO																						
JB	PBR	1	400		1	0																							
JB	SKN	1	700		1	1	PBR																						
PD	PBR	1	270	7	1	1	BTB																						
PD	SKN	1	570	4	1	2	BTB	PBR																					
PBR	SKN	1	300	2	1	0																							

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TABLE 4AR-7 TRANSMISSION ROUTE BETWEEN SUMATRA AND BALI

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	NO. OF END REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
DPR	MDN	1	2990	3		15	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG								
DPR	SBG	1	2790	1		14	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB									
DPR	LSM	1	3290	1		16	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN							
DPR	BNA	1	3390	1		15	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG								
DPR	PG	1	1980	1		11	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT												
DPR	TJK	1	1580	1		9	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT														
DPR	LT	1	1830	1		10	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK													
DPR	JB	1	2240	1		12	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO											
DPR	PD	1	2420	1		12	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO											
DPR	PBR	1	2420	1		13	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD										
DPR	SKN	1	2720	1		14	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	PBR									
SBW	MDN	1	3290	1		16	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG							
SBW	SBG	1	3090	1		15	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB								
SBW	LSM	1	3590	1		17	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN						
SBW	BNA	1	3690	1		16	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG							
SBW	PG	1	2280	1		12	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT											
SBW	TJK	1	1880	1		10	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT													
SBW	LT	1	2130	1		11	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK												
SBW	JB	1	2540	1		13	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO										
SBW	PD	1	2720	1		13	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO										
SBW	PBR	1	2720	1		14	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD									
SBW	SKN	1	3020	1		15	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	PBR								
END	MDN	1	3790	1		17	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG						
END	SBG	1	3590	1		16	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB							
END	LSM	1	4090	1		18	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN					
END	BNA	1	4190	1		17	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG						
END	PG	1	2780	1		13	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT										
END	TJK	1	2380	1		11	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT												
END	LT	1	2630	1		12	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK											
END	JB	1	3040	1		14	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO									
END	PD	1	3220	1		14	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO									
END	PBR	1	3220	1		15	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD								
END	SKN	1	3520	1		16	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	PBR							
KP	MDN	1	4390	1		18	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG					
KP	SBG	1	4190	1		17	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB						
KP	LSM	1	4690	1		19	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN				
KP	BNA	1	4790	1		18	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG					
KP	PG	1	3380	1		14	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT									
KP	TJK	1	2980	1		12	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT											
KP	LT	1	3230	1		13	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK										
KP	JB	1	3640	1		15	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO								
KP	PD	1	3820	1		15	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO								
KP	PBR	1	3820	1		16	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD							
KP	SKN	1	4120	1		17	END	SBW	DPR	JR	ML	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	PBR						

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TABLE 4AR-8 TRANSMISSION ROUTE BETWEEN SUMATRA AND KALIMANTAN

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
BJM	MDN	1	2680	2		6	SPT	PTK	PGP	PG	JB	PBR																	
BJM	SBG	1	2880	1		7	SPT	PTK	PGP	PG	JB	PBR	MDN																
BJM	LSM	1	2980	1		7	SPT	PTK	PGP	PG	JB	PBR	MDN																
BJM	BNA	1	3480	1		8	SPT	PTK	PGP	PG	JB	PBR	MDN	SBG															
BJM	PG	1	1530	1		3	SPT	PTK	PGP																				
BJM	TK2	1	1930	1		5	SPT	PTK	PGP	PG	LT2																		
BJM	LT2	1	1680	1		4	SPT	PTK	PGP	PG																			
BJM	JB	1	1780	1		4	SPT	PTK	PGP	PG																			
BJM	PD2	1	2270	1		6	SPT	PTK	PGP	PG	LT2	BK2																	
BJM	PBR	1	2180	1		5	SPT	PTK	PGP	PG	JB																		
BJM	SKN	1	2480	1		6	SPT	PTK	PGP	PG	JB	PBR																	
SPT	MDN	1	2430	1		5	PTK	PGP	PG	JB	PBR																		
SPT	SBG	1	2630	1		6	PTK	PGP	PG	JB	PBR	MDN																	
SPT	LSM	1	2730	1		6	PTK	PGP	PG	JB	PBR	MDN																	
SPT	BNA	1	3230	1		7	PTK	PGP	PG	JB	PBR	MDN	SBG																
SPT	PG	1	1280	1		2	PTK	PGP																					
SPT	TK2	1	1680	1		4	PTK	PGP	PG	LT2																			
SPT	LT2	1	1430	1		3	PTK	PGP	PG																				
SPT	JB	1	1530	1		3	PTK	PGP	PG																				
SPT	PD2	1	2020	1		5	PTK	PGP	PG	LT2	BK2																		
SPT	PBR	1	1930	1		4	PTK	PGP	PG	JB																			
SPT	SKN	1	2230	1		5	PTK	PGP	PG	JB	PBR																		
SMR	MDN	1	3280	2		7	BJM	SPT	PTK	PGP	PG	JB	PBR																
SMR	SBG	1	3480	1		8	BJM	SPT	PTK	PGP	PG	JB	PBR	MDN															
SMR	LSM	1	3580	1		8	BJM	SPT	PTK	PGP	PG	JB	PBR	MDN															
SMR	BNA	1	4080	1		9	BJM	SPT	PTK	PGP	PG	JB	PBR	MDN	SBG														
SMR	PG	1	2130	1		4	BJM	SPT	PTK	PGP																			
SMR	TK2	1	2530	1		6	BJM	SPT	PTK	PGP	PG	LT2																	
SMR	LT2	1	2280	1		5	BJM	SPT	PTK	PGP	PG																		
SMR	JB	1	2380	1		5	BJM	SPT	PTK	PGP	PG																		
SMR	PD2	1	2870	1		7	BJM	SPT	PTK	PGP	PG	LT2	BK2																
SMR	PBR	1	2780	1		6	BJM	SPT	PTK	PGP	PG	JB																	
SMR	SKN	1	3080	1		7	BJM	SPT	PTK	PGP	PG	JB	PBR																
TAR	MDN	1	3730	1		8	SMR	BJM	SPT	PTK	PGP	PG	JB	PBR															
TAR	SBG	1	3930	1		9	SMR	BJM	SPT	PTK	PGP	PG	JB	PBR	MDN														
TAR	LSM	1	4030	1		9	SMR	BJM	SPT	PTK	PGP	PG	JB	PBR	MDN														
TAR	BNA	1	4530	1		10	SMR	BJM	SPT	PTK	PGP	PG	JB	PBR	MDN	SBG													
TAR	PG	1	2580	1		5	SMR	BJM	SPT	PTK	PGP																		
TAR	TK2	1	2980	1		7	SMR	BJM	SPT	PTK	PGP	PG	LT2																
TAR	LT2	1	2730	1		6	SMR	BJM	SPT	PTK	PGP	PG																	
TAR	JB	1	2830	1		6	SMR	BJM	SPT	PTK	PGP	PG																	
TAR	PD2	1	3320	1		8	SMR	BJM	SPT	PTK	PGP	PG	LT2	BK2															
TAR	PBR	1	3230	1		7	SMR	BJM	SPT	PTK	PGP	PG	JB																
TAR	SKN	1	3530	1		8	SMR	BJM	SPT	PTK	PGP	PG	JB	PBR															
PTK	MDN	1	1780	1		4	PGP	PG	JB	PBR																			
PTK	SBG	1	1980	1		5	PGP	PG	JB	PBR	MDN																		
PTK	LSM	1	2080	1		5	PGP	PG	JB	PBR	MDN																		
PTK	BNA	1	2580	1		6	PGP	PG	JB	PBR	MDN	SBG																	
PTK	PG	1	630	1		1	PGP																						
PTK	TK2	1	1030	1		3	PGP	PG	LT2																				
PTK	LT2	1	780	1		2	PGP	PG																					
PTK	JB	1	880	1		2	PGP	PG																					
PTK	PD2	1	1370	1		4	PGP	PG	LT2	BK2																			
PTK	PBR	1	1280	1		3	PGP	PG	JB																				
PTK	SKN	1	1580	1		4	PGP	PG	JB	PBR																			

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TABLE 4AR-9 TRANSMISSION ROUTE BETWEEN SUMATRA AND SULAWESI/MALUKU (1/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	NO. OF END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
UP	MDN	1	3220		2		14	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG									
UP	SBG	1	3020		1		13	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB										
UP	LSM	1	3520		1		15	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN								
UP	BNA	1	3720		1		16	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM							
UP	PG	1	2210		1		10	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT													
UP	TJK	1	1810		1		8	BTN	SB	PWD	SM	PK	CBN	KRW	JKT															
UP	LT	1	2060		1		9	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK														
UP	JB	1	2470		1		11	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO												
UP	PD	1	2650		1		11	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO												
UP	PBR	1	2920		1		13	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB										
UP	SKN	1	3220		1		14	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR									
PRE	MDN	1	3370		1		15	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG								
PRE	SBG	1	3170		1		14	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB									
PRE	LSM	1	3670		1		16	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN							
PRE	BNA	1	3870		1		17	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM						
PRE	PG	1	2360		1		11	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT												
PRE	TJK	1	1960		1		9	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT														
PRE	LT	1	2210		1		10	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK													
PRE	JB	1	2620		1		12	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO											
PRE	PD	1	2800		1		12	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO											
PRE	PBR	1	3070		1		14	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB									
PRE	SKN	1	3370		1		15	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR								
MO	MDN	1	4470		1		18	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG					
MO	SBG	1	4270		1		17	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB						
MO	LSM	1	4770		1		19	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN				
MO	BNA	1	4970		1		20	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM			
MO	PG	1	3460		1		14	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT									
MO	TJK	1	3060		1		12	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT											
MO	LT	1	3310		1		13	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK										
MO	JB	1	3720		1		15	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO								
MO	PD	1	3900		1		15	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO								
MO	PBR	1	4170		1		17	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB						
MO	SKN	1	4470		1		18	PAL	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR					
PAL	MDN	1	3720		1		17	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG						
PAL	SBG	1	3520		1		16	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB							
PAL	LSM	1	4020		1		18	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN					
PAL	BNA	1	4220		1		19	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM				
PAL	PG	1	2710		1		13	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT										
PAL	TJK	1	2310		1		11	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT												
PAL	LT	1	2560		1		12	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK											
PAL	JB	1	2970		1		14	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO									
PAL	PD	1	3150		1		14	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO									
PAL	PBR	1	3420		1		16	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB							
PAL	SKN	1	3720		1		17	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR						

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TABLE 4AR-9 TRANSMISSION ROUTE BETWEEN SUMATRA AND SULAWESI/MALUKU (2/2)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST VI	NO. OF END	REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KDI	MDN	1	3770	1	17	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG							
KDI	SBG	1	3570	1	16	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB								
KDI	LSM	1	4070	1	18	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN						
KDI	BNA	1	4270	1	19	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	SBG	MDN	LSM					
KDI	PG	1	2760	1	13	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT											
KDI	TJK	1	2360	1	11	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT													
KDI	LT	1	2610	1	12	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK												
KDI	JB	1	3020	1	14	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO										
KDI	PD	1	3200	1	14	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO										
KDI	PBR	1	3470	1	16	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB								
KDI	SKN	1	3770	1	17	BTS	PRE	UP	BTN	SB	PWD	SM	PK	CBN	KRW	JKT	TJK	LT	BKO	PD	BTB	PBR							
MDN	AB	1	4420	1	14	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN										
MDN	SON	1	4980	1	15	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB									
MDN	JAP	1	6280	1	17	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA							
SBG	AB	1	4220	1	13	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN											
SBG	SON	1	4780	1	14	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB										
SBG	JAP	1	6080	1	16	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA								
LSM	AB	1	4720	1	15	MDN	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN									
LSM	SON	1	5280	1	16	MDN	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB								
LSM	JAP	1	6580	1	18	MDN	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA						
BNA	AB	1	4920	1	16	LSM	MDN	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN								
BNA	SON	1	5480	1	17	LSM	MDN	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB							
BNA	JAP	1	6780	1	19	LSM	MDN	SBG	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA					
PG	AB	1	3410	1	10	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN														
PG	SON	1	3970	1	11	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB													
PG	JAP	1	5270	1	13	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA											
TJK	AB	1	3010	1	8	JKT	KRW	CBN	PK	SM	PWD	SB	BTN																
TJK	SON	1	3570	1	9	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB															
TJK	JAP	1	4870	1	11	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA													
LT	AB	1	3260	1	9	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN															
LT	SON	1	3820	1	10	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB														
LT	JAP	1	5120	1	12	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA												
JB	AB	1	3670	1	11	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN													
JB	SON	1	4230	1	12	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB												
JB	JAP	1	5530	1	14	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA										
PD	AB	1	3850	1	11	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN													
PD	SON	1	4410	1	12	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB												
PD	JAP	1	5710	1	14	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA										
PBR	AB	1	4120	1	13	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN											
PBR	SON	1	4680	1	14	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB										
PBR	JAP	1	5980	1	16	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA								
SKN	AB	1	4420	1	14	PBR	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB									
SKN	SON	1	4980	1	15	PBR	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA							
SKN	JAP	1	6280	1	17	PBR	BTB	PD	BKO	LT	TJK	JKT	KRW	CBN	PK	SM	PWD	SB	BTN	AB	SON	BIA							

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TABLE 4AR-10 TRANSMISSION ROUTE AMONG WITEL VIII/IX/X/XI/XII (1/3)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
DPR	SBW	1	300			1	0																							
DPR	END	1	800			1	1	SBW																						
DPR	KP	1	1400			1	2	SBW	END																					
DPR	UP	1	1260			2	4	JR	ML	SB	BTN																			
DPR	PRE	1	1410			1	5	JR	ML	SB	BTN	UP																		
DPR	MO	1	2510			1	8	JR	ML	SB	BTN	UP	PRE	BTS	PAL															
DPR	PAL	1	1760			1	7	JR	ML	SB	BTN	UP	PRE	BTS																
DPR	KDI	1	1810			1	7	JR	ML	SB	BTN	UP	PRE	BTS																
DPR	BJM	1	960			1	4	JR	ML	SB	TKI																			
DPR	SPT	1	1210			1	5	JR	ML	SB	TKI	BJM																		
DPR	SMR	1	1560			1	5	JR	ML	SB	TKI	BJM																		
DPR	TAR	1	2010			1	6	JR	ML	SB	TKI	BJM	SMR																	
DPR	PTK	1	1860			1	6	JR	ML	SB	TKI	BJM	SPT																	
DPR	AB	1	2460			1	4	JR	ML	SB	BTN																			
DPR	SON	1	3020			1	5	JR	ML	SB	BTN	AB																		
DPR	JAP	1	4320			1	7	JR	ML	SB	BTN	AB	SON	BIA																
SBW	END	1	500			1	0																							
SBW	KP	1	1100			1	1	END																						
SBW	UP	1	1560			1	5	DPR	JR	ML	SB	BTN																		
SBW	PRE	1	1710			1	6	DPR	JR	ML	SB	BTN	UP																	
SBW	MO	1	2810			1	9	DPR	JR	ML	SB	BTN	UP	PRE	BTS	PAL														
SBW	PAL	1	2060			1	8	DPR	JR	ML	SB	BTN	UP	PRE	BTS															
SBW	KDI	1	2110			1	8	DPR	JR	ML	SB	BTN	UP	PRE	BTS															
SBW	BJM	1	1260			1	5	DPR	JR	ML	SB	TKI																		
SBW	SPT	1	1510			1	6	DPR	JR	ML	SB	TKI	BJM																	
SBW	SMR	1	1860			1	6	DPR	JR	ML	SB	TKI	BJM																	
SBW	TAR	1	2310			1	7	DPR	JR	ML	SB	TKI	BJM	SMR																
SBW	PTK	1	2160			1	7	DPR	JR	ML	SB	TKI	BJM	SPT																
SBW	AB	1	2760			1	5	DPR	JR	ML	SB	BTN																		
SBW	SON	1	3320			1	6	DPR	JR	ML	SB	BTN	AB																	
SBW	JAP	1	4620			1	8	DPR	JR	ML	SB	BTN	AB	SON	BIA															
END	KP	1	600			1	0																							
END	UP	1	2060			1	6	SBW	DPR	JR	ML	SB	BTN																	
END	PRE	1	2210			1	7	SBW	DPR	JR	ML	SB	BTN	UP																
END	MO	1	3310			1	10	SBW	DPR	JR	ML	SB	BTN	UP	PRE	BTS	PAL													
END	PAL	1	2560			1	9	SBW	DPR	JR	ML	SB	BTN	UP	PRE	BTS														
END	KDI	1	2610			1	9	SBW	DPR	JR	ML	SB	BTN	UP	PRE	BTS														
END	BJM	1	1760			1	6	SBW	DPR	JR	ML	SB	TKI																	
END	SPT	1	2010			1	7	SBW	DPR	JR	ML	SB	TKI	BJM																
END	SMR	1	2360			1	7	SBW	DPR	JR	ML	SB	TKI	BJM																
END	TAR	1	2810			1	8	SBW	DPR	JR	ML	SB	TKI	BJM	SMR															
END	PTK	1	2660			1	8	SBW	DPR	JR	ML	SB	TKI	BJM	SPT															
END	AB	1	3260			1	6	SBW	DPR	JR	ML	SB	BTN																	
END	SON	1	3620			1	7	SBW	DPR	JR	ML	SB	BTN	AB																
END	JAP	1	5120			1	9	SBW	DPR	JR	ML	SB	BTN	AB	SON	BIA														

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TABLE 4AR-10 TRANSMISSION ROUTE AMONG WITEL VIII/IX/X/XI/XII (2/3)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KP	UP	1	2660	1		7	END	SBW	DPR	JR	ML	SB	BTN																	
KP	PRE	1	2810	1		8	END	SBW	DPR	JR	ML	SB	BTN	UP																
KP	MO	1	3910	1		11	END	SBW	DPR	JR	ML	SB	BTN	UP	PRE	BTS	PAL													
KP	PAL	1	3160	1		10	END	SBW	DPR	JR	ML	SB	BTN	UP	PRE	BTS														
KP	KDI	1	3210	1		10	END	SBW	DPR	JR	ML	SB	BTN	UP	PRE	BTS														
KP	BJM	1	2360	1		7	END	SBW	DPR	JR	ML	SB	TKI																	
KP	SPT	1	2610	1		8	END	SBW	DPR	JR	ML	SB	TKI	BJM																
KP	SMR	1	2960	1		8	END	SBW	DPR	JR	ML	SB	TKI	BJM																
KP	TAR	1	3410	1		9	END	SBW	DPR	JR	ML	SB	TKI	BJM	SMR															
KP	PTK	1	3260	1		9	END	SBW	DPR	JR	ML	SB	TKI	BJM	SPT															
KP	AB	1	3860	1		7	END	SBW	DPR	JR	ML	SB	BTN																	
KP	SON	1	4420	1		8	END	SBW	DPR	JR	ML	SB	BTN	AB																
KP	JAP	1	5720	1		10	END	SBW	DPR	JR	ML	SB	BTN	AB	SON	BIA														
UP	PRE	1	150	1		0																								
UP	MO	1	1250	1		3	PRE	BTS	PAL																					
UP	PAL	1	500	1		2	PRE	BTS																						
UP	KDI	1	550	1		2	PRE	BTS																						
UP	BJM	1	1300	1		3	BTN	SB	TKI																					
UP	SPT	1	1550	1		4	BTN	SB	TKI	BJM																				
UP	SMR	1	1900	1		4	BTN	SB	TKI	BJM																				
UP	TAR	1	2350	1		5	BTN	SB	TKI	BJM	SMR																			
UP	PTK	1	2200	1		5	BTN	SB	TKI	BJM	SPT																			
UP	AB	1	1400	1		1	BTN																							
UP	SON	1	1960	1		2	BTN	AB																						
UP	JAP	1	3260	1		4	BTN	AB	SON	BIA																				
PRE	MO	1	1100	1		2	BTS	PAL																						
PRE	PAL	1	350	1		1	BTS																							
PRE	KDI	1	400	1		1	BTS																							
PRE	BJM	1	1450	1		4	UP	BTN	SB	TKI																				
PRE	SPT	1	1700	1		5	UP	BTN	SB	TKI	BJM																			
PRE	SMR	1	2050	1		5	UP	BTN	SB	TKI	BJM																			
PRE	TAR	1	2500	1		6	UP	BTN	SB	TKI	BJM	SMR																		
PRE	PTK	1	2350	1		6	UP	BTN	SB	TKI	BJM	SPT																		
PRE	AB	1	1550	1		2	UP	BTN																						
PRE	SON	1	2110	1		3	UP	BTN	AB																					
PRE	JAP	1	3410	1		5	UP	BTN	AB	SON	BIA																			
MO	PAL	1	750	1		0																								
MO	KDI	1	1300	1		2	PAL	BTS																						
MO	BJM	1	2550	1		7	PAL	BTS	PRE	UP	BTN	SB	TKI																	
MO	SPT	1	2800	1		8	PAL	BTS	PRE	UP	BTN	SB	TKI	BJM																
MO	SMR	1	3150	1		8	PAL	BTS	PRE	UP	BTN	SB	TKI	BJM																
MO	TAR	1	3600	1		9	PAL	BTS	PRE	UP	BTN	SB	TKI	BJM	SMR															
MO	PTK	1	3450	1		9	PAL	BTS	PRE	UP	BTN	SB	TKI	BJM	SPT															
MO	AB	1	2650	1		5	PAL	BTS	PRE	UP	BTN																			
MO	SON	1	3210	1		6	PAL	BTS	PRE	UP	BTN	AB																		
MO	JAP	1	4510	1		8	PAL	BTS	PRE	UP	BTN	AB	SON	BIA																

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TABLE 4AR-10 TRANSMISSION ROUTE AMONG WITEL VIII/IX/X/XI/XII (3/3)

O-EXC	T-EXC	ROUTE NO.	LENGTH	NO. OF 2M EXIST	VI	END	NO. OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PAL	KDI	1	550			1	1	BTS																						
PAL	BJM	1	1800			1	6	BTS	PRE	UP	BTN	SB	TKI																	
PAL	SPT	1	2050			1	7	BTS	PRE	UP	BTN	SB	TKI	BJM																
PAL	SMR	1	2400			1	7	BTS	PRE	UP	BTN	SB	TKI	BJM																
PAL	TAR	1	2850			1	8	BTS	PRE	UP	BTN	SB	TKI	BJM	SMR															
PAL	PTK	1	2700			1	8	BTS	PRE	UP	BTN	SB	TKI	BJM	SPT															
PAL	AB	1	1900			1	4	BTS	PRE	UP	BTN																			
PAL	SON	1	2460			1	5	BTS	PRE	UP	BTN	AB																		
PAL	JAP	1	3760			1	7	BTS	PRE	UP	BTN	AB	SON	BIA																
KDI	BJM	1	1850			1	6	BTS	PRE	UP	BTN	SB	TKI																	
KDI	SPT	1	2100			1	7	BTS	PRE	UP	BTN	SB	TKI	BJM																
KDI	SMR	1	2450			1	7	BTS	PRE	UP	BTN	SB	TKI	BJM																
KDI	TAR	1	2900			1	8	BTS	PRE	UP	BTN	SB	TKI	BJM	SMR															
KDI	PTK	1	2750			1	8	BTS	PRE	UP	BTN	SB	TKI	BJM	SPT															
KDI	AB	1	1950			1	4	BTS	PRE	UP	BTN																			
KDI	SON	1	2510			1	5	BTS	PRE	UP	BTN	AB																		
KDI	JAP	1	3810			1	7	BTS	PRE	UP	BTN	AB	SON	BIA																
BJM	SPT	1	250			1	0																							
BJM	SMR	1	600			1	0																							
BJM	TAR	1	1050			1	1	SMR																						
BJM	PTK	1	900			1	1	SPT																						
BJM	AB	1	2500			1	3	TKI	SB	BTN																				
BJM	SON	1	3060			1	4	TKI	SB	BTN	AB																			
BJM	JAP	1	4360			1	6	TKI	SB	BTN	AB	SON	BIA																	
SPT	SMR	1	850			1	1	BJM																						
SPT	TAR	1	1300			1	2	BJM	SMR																					
SPT	PTK	1	650			1	0																							
SPT	AB	1	2750			1	4	BJM	TKI	SB	BTN																			
SPT	SON	1	3310			1	5	BJM	TKI	SB	BTN	AB																		
SPT	JAP	1	4610			1	7	BJM	TKI	SB	BTN	AB	SON	BIA																
SMR	TAR	1	450			1	0																							
SMR	PTK	1	1500			1	2	BJM	SPT																					
SMR	AB	1	3100			1	4	BJM	TKI	SB	BTN																			
SMR	SON	1	3660			1	5	BJM	TKI	SB	BTN	AB																		
SMR	JAP	1	4960			1	7	BJM	TKI	SB	BTN	AB	SON	BIA																
TAR	PTK	1	1950			1	3	SMR	BJM	SPT																				
TAR	AB	1	3550			1	5	SMR	BJM	TKI	SB	BTN																		
TAR	SON	1	4110			1	6	SMR	BJM	TKI	SB	BTN	AB																	
TAR	JAP	1	5410			1	8	SMR	BJM	TKI	SB	BTN	AB	SON	BIA															
PTK	AB	1	3400			1	5	SPT	BJM	TKI	SB	BTN																		
PTK	SON	1	3960			1	6	SPT	BJM	TKI	SB	BTN	AB																	
PTK	JAP	1	5260			1	8	SPT	BJM	TKI	SB	BTN	AB	SON	BIA															
AB	SON	1	560			1	0																							
AB	JAP	1	1860			1	2	SON	BIA																					
SON	JAP	1	1300			1	1	BIA																						

FIGURE 4BN – 1 JUNCTION NETWORK IN BANDA ACEH

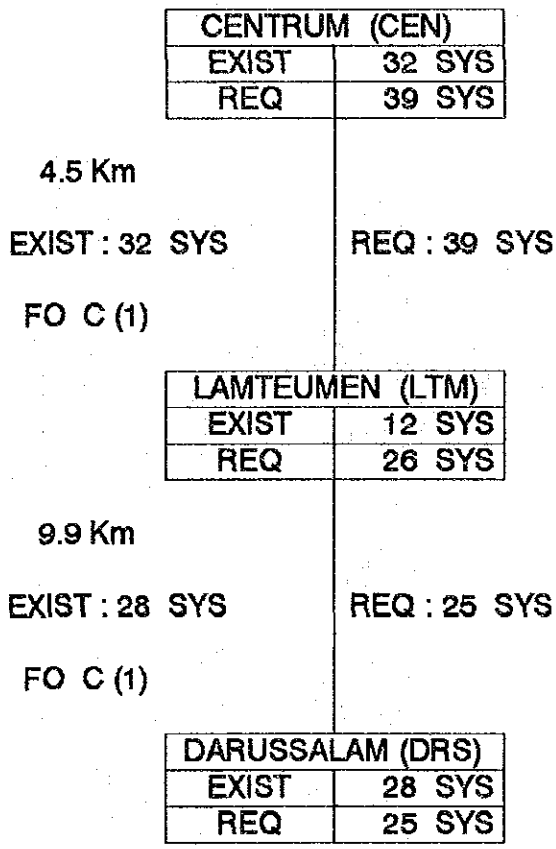


FIGURE 4BN – 2 JUNCTION NETWORK IN MEDAN

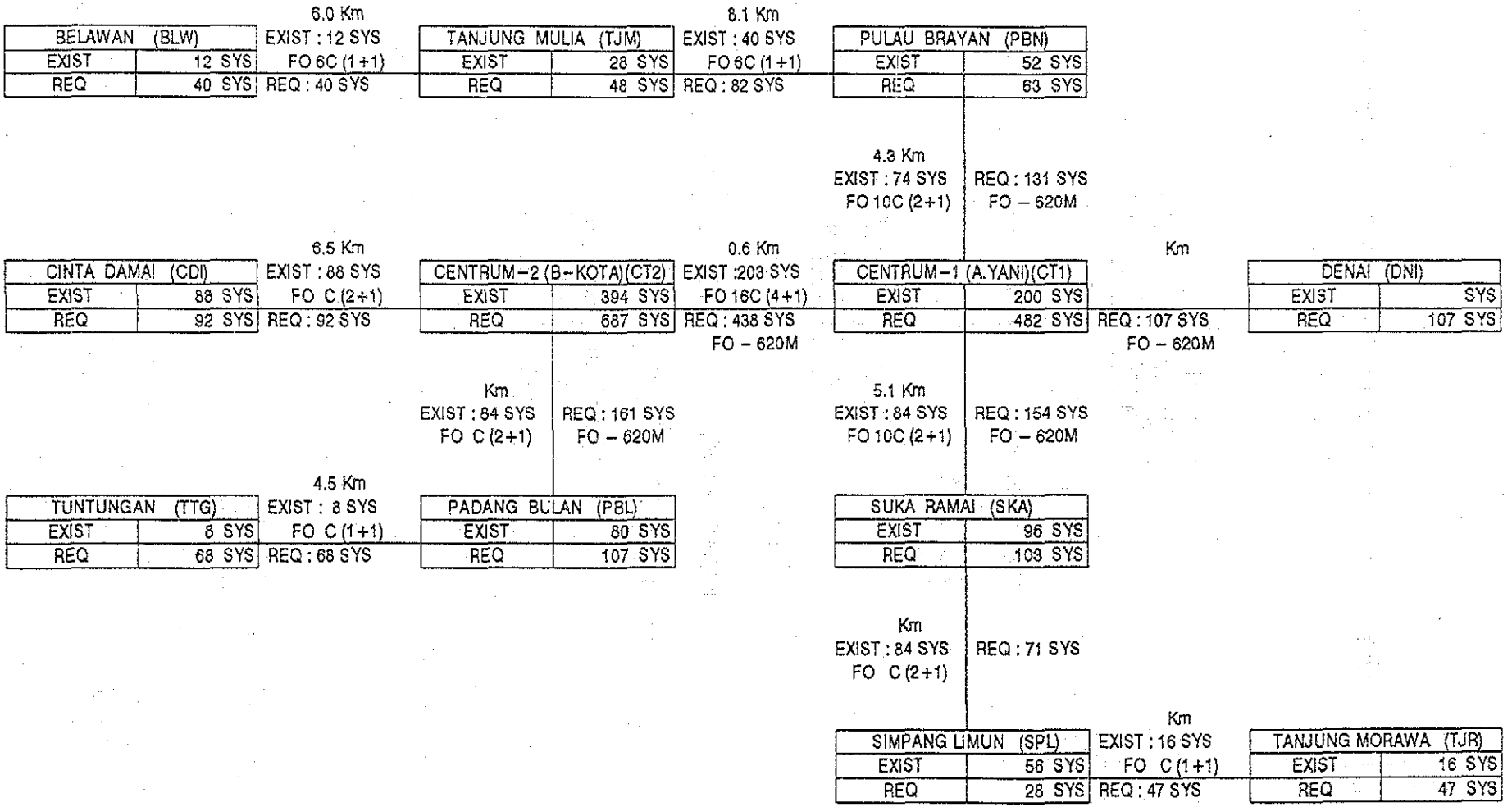


FIGURE 4BN – 3 JUNCTION NETWORK IN PAKANBARU

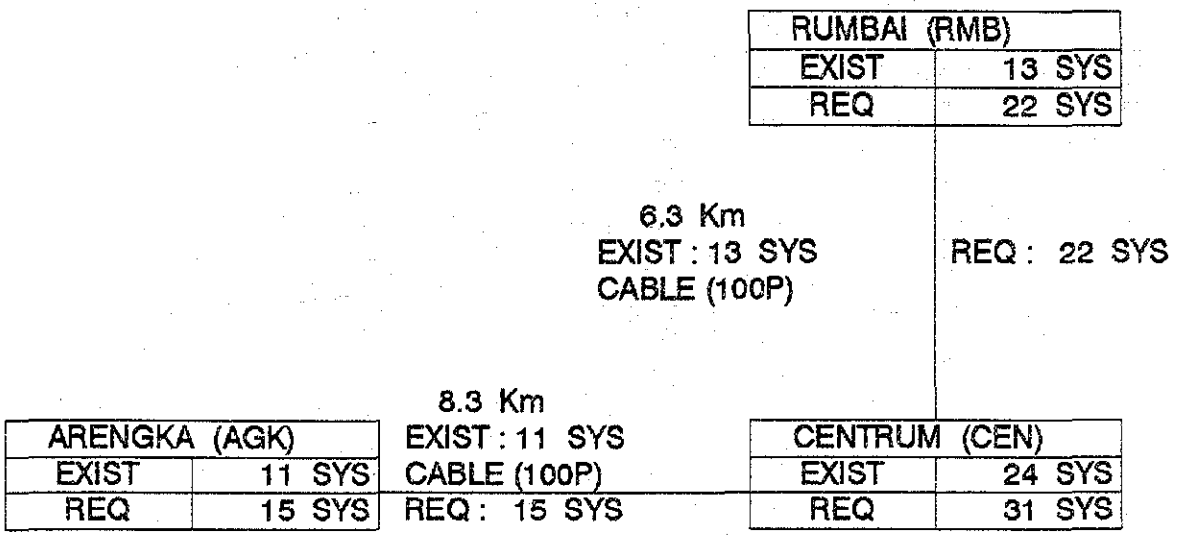


FIGURE 4BN – 4 JUNCTION NETWORK IN PADANG

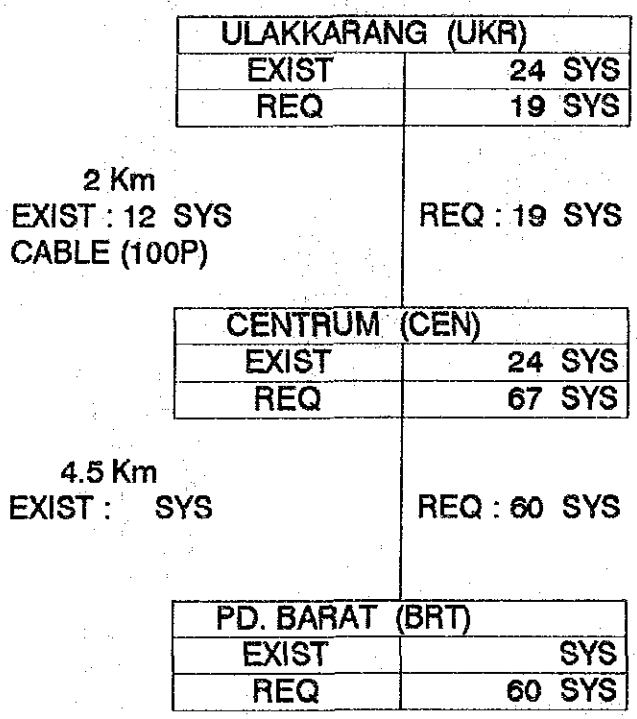


FIGURE 4BN – 5 JUNCTION NETWORK IN BATAM.

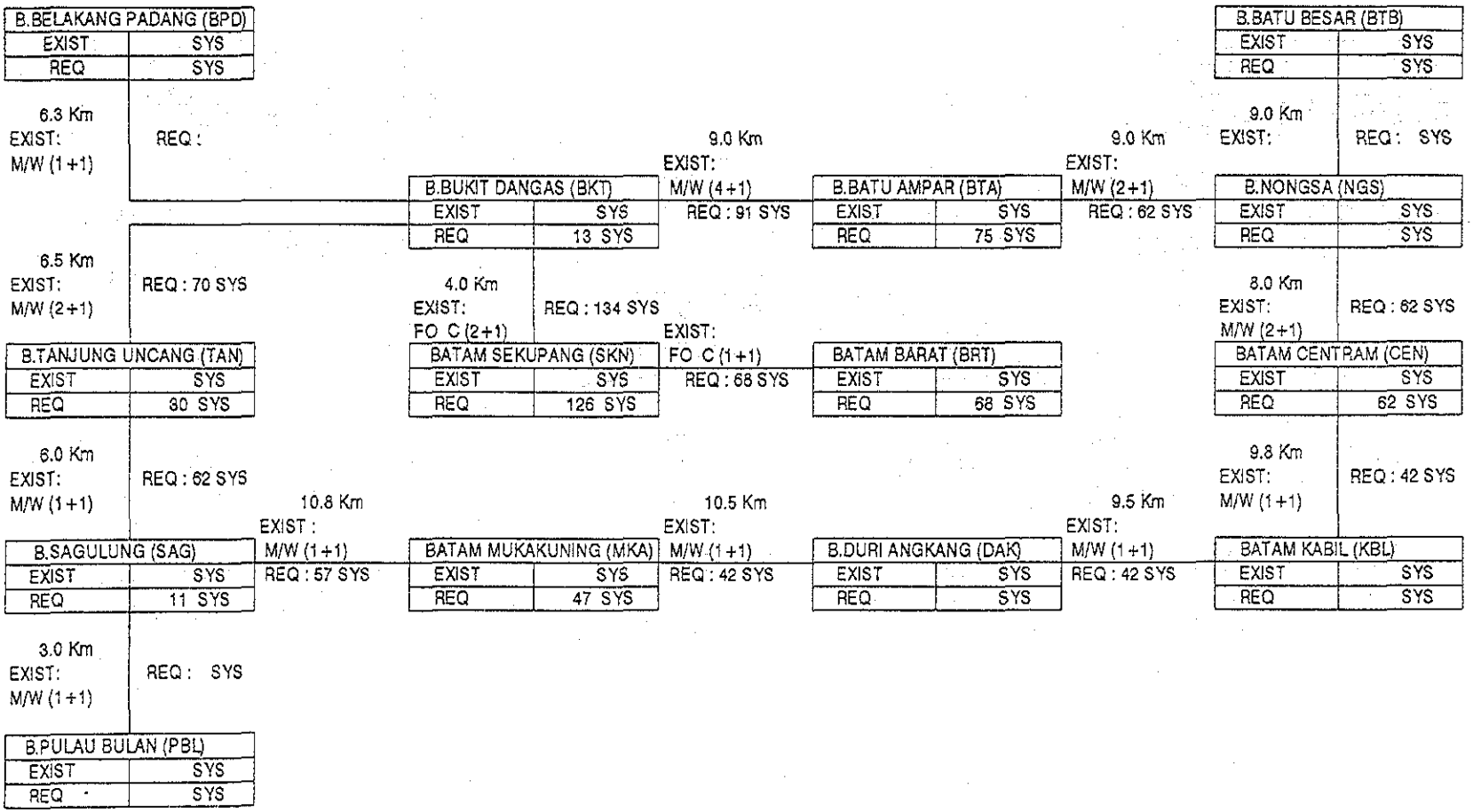


FIGURE 4BN – 6 JUNCTION NETWORK IN PALEMBANG

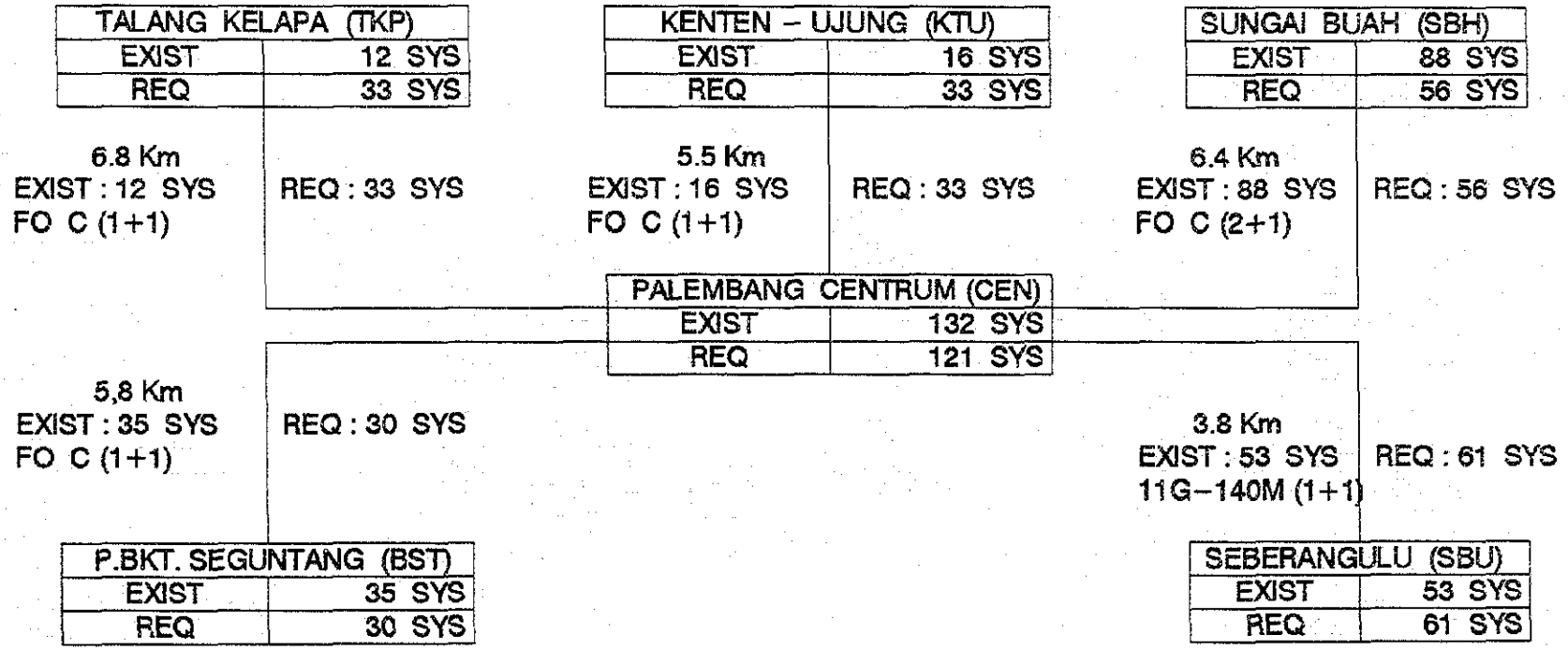


FIGURE 4BN – 7 JUNCTION NETWORK IN JAMBI

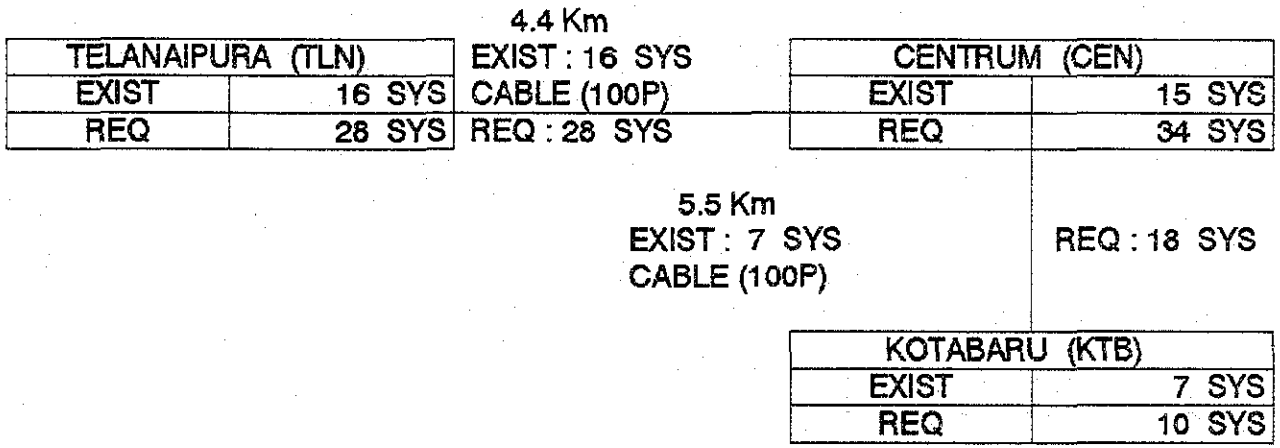


FIGURE 4BN – 8 JUNCTION NETWORK IN BENGKULU

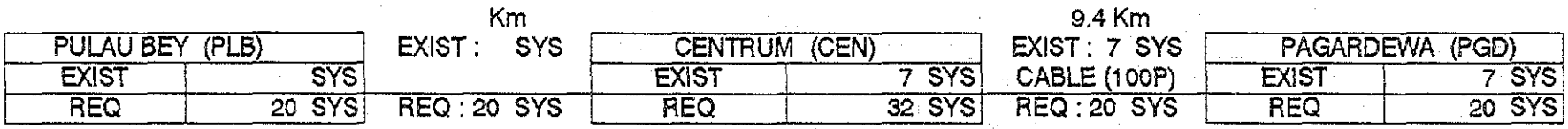
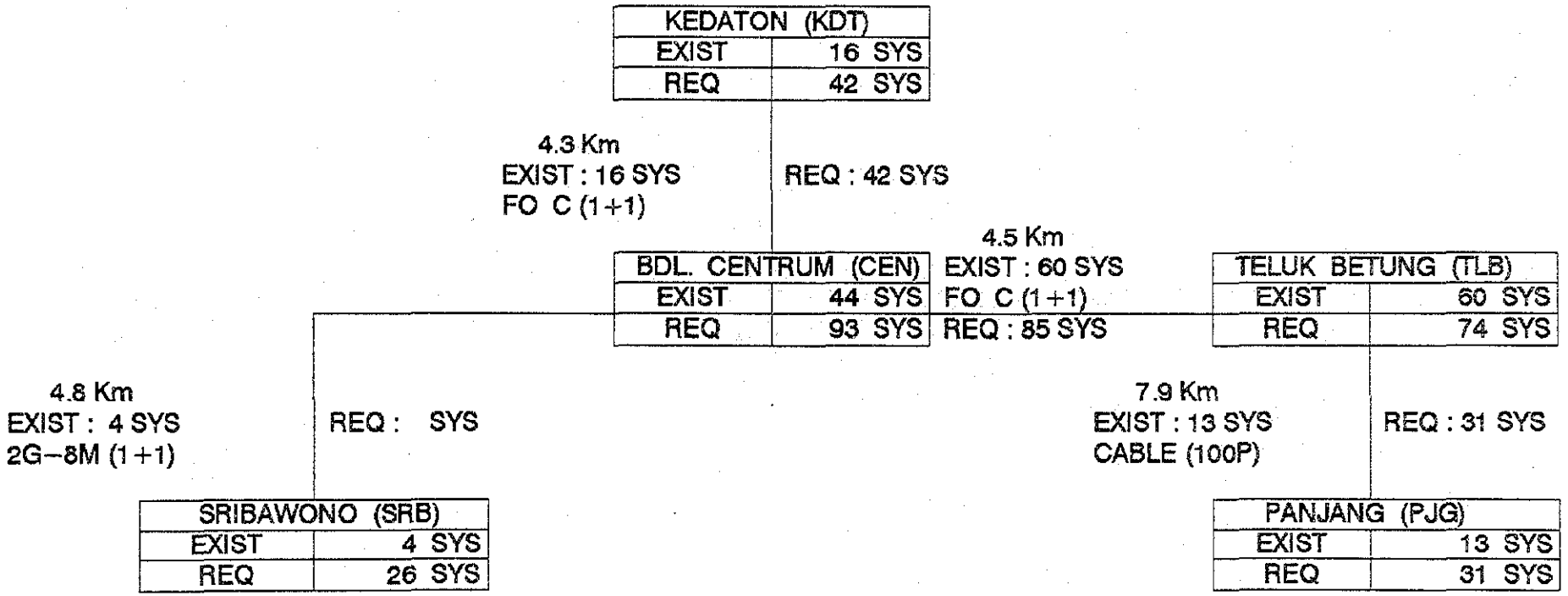


FIGURE 4BN – 9 JUNCTION NETWORK IN TANJUNG KARANG



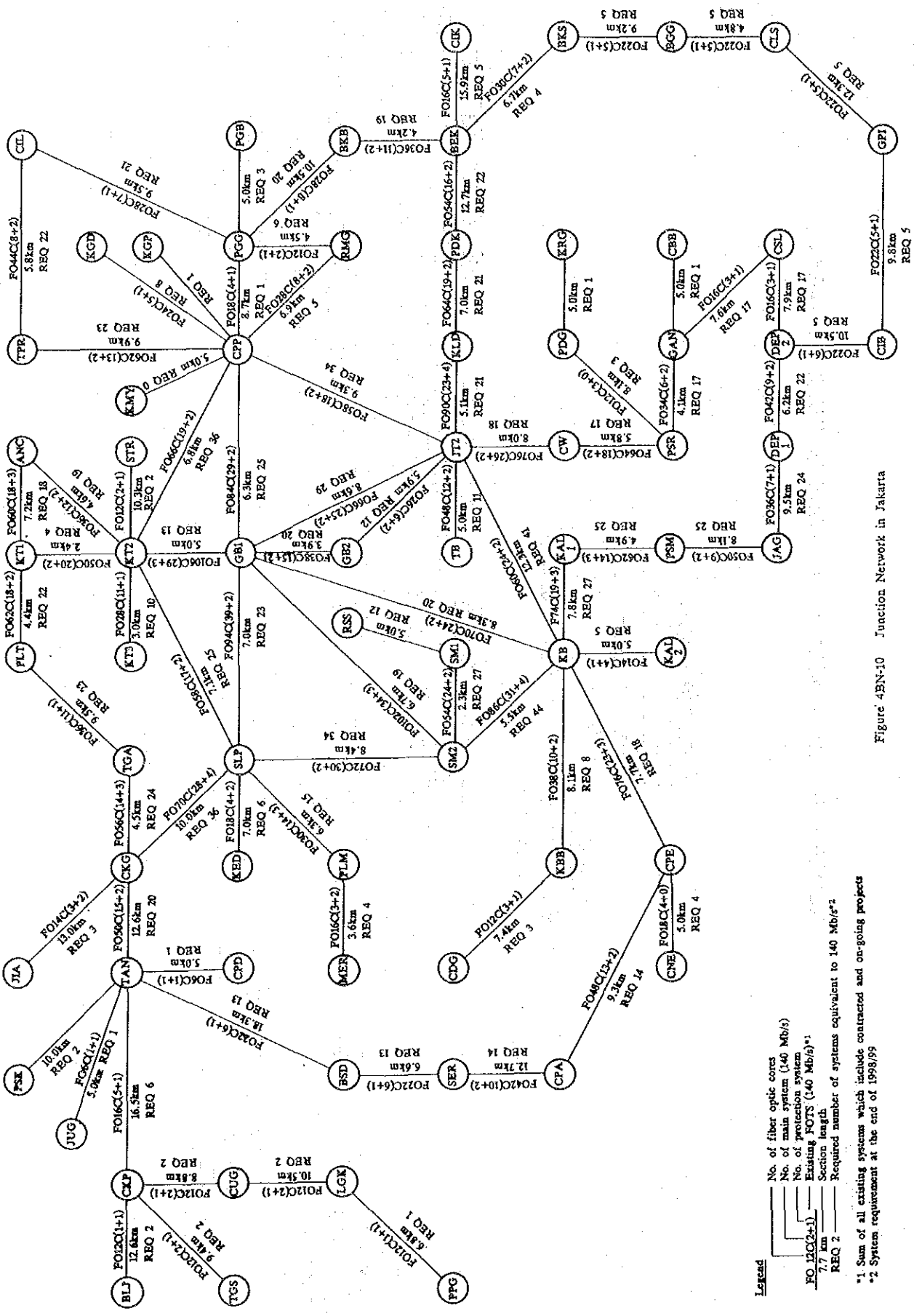


Figure 4BN-10 Junction Network in Jakarta

FIGURE 4BN – 11 JUNCTION NETWORK IN BANDUNG

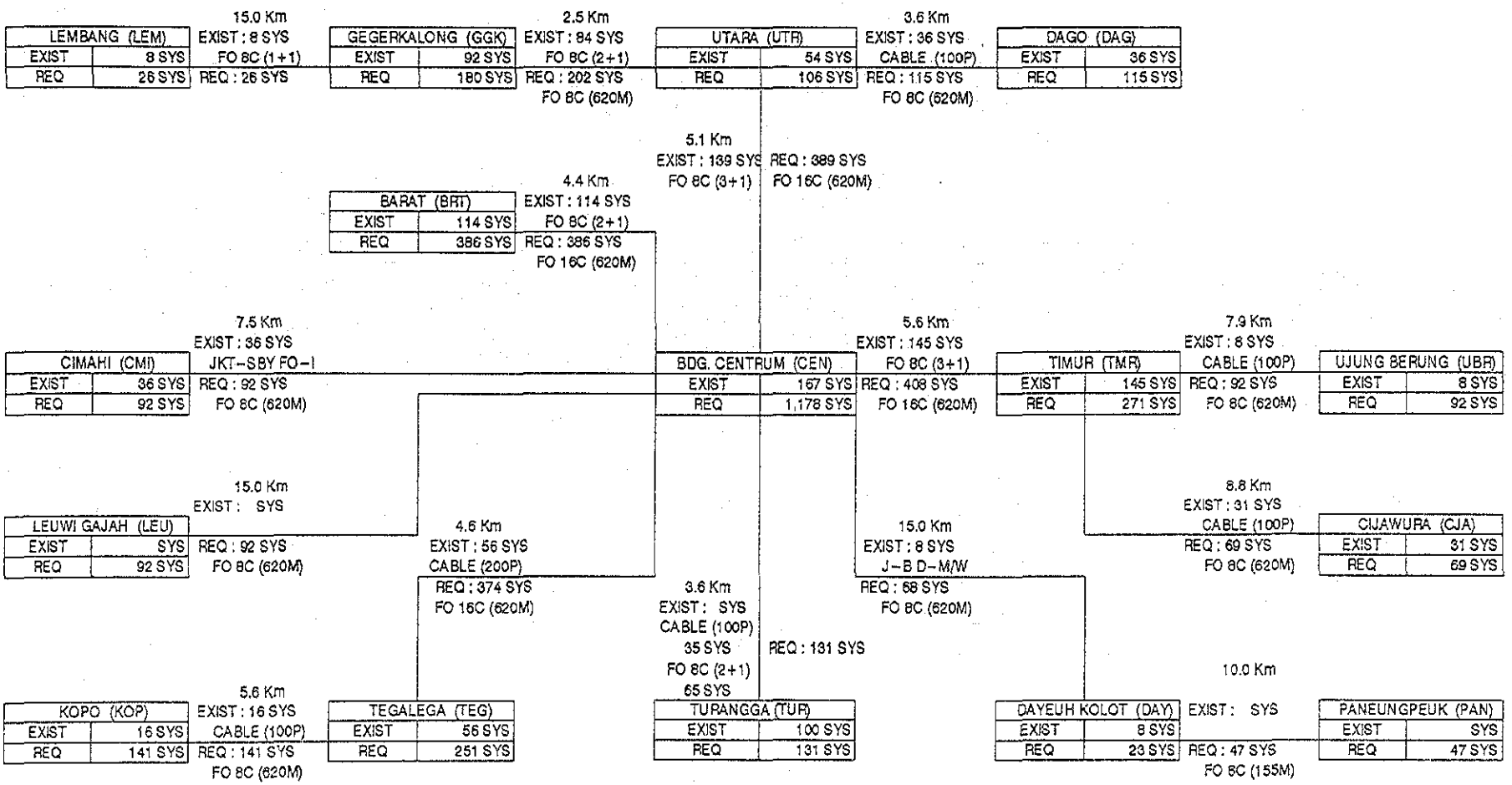


FIGURE 4BN – 12 JUNCTION NETWORK IN SEMARANG

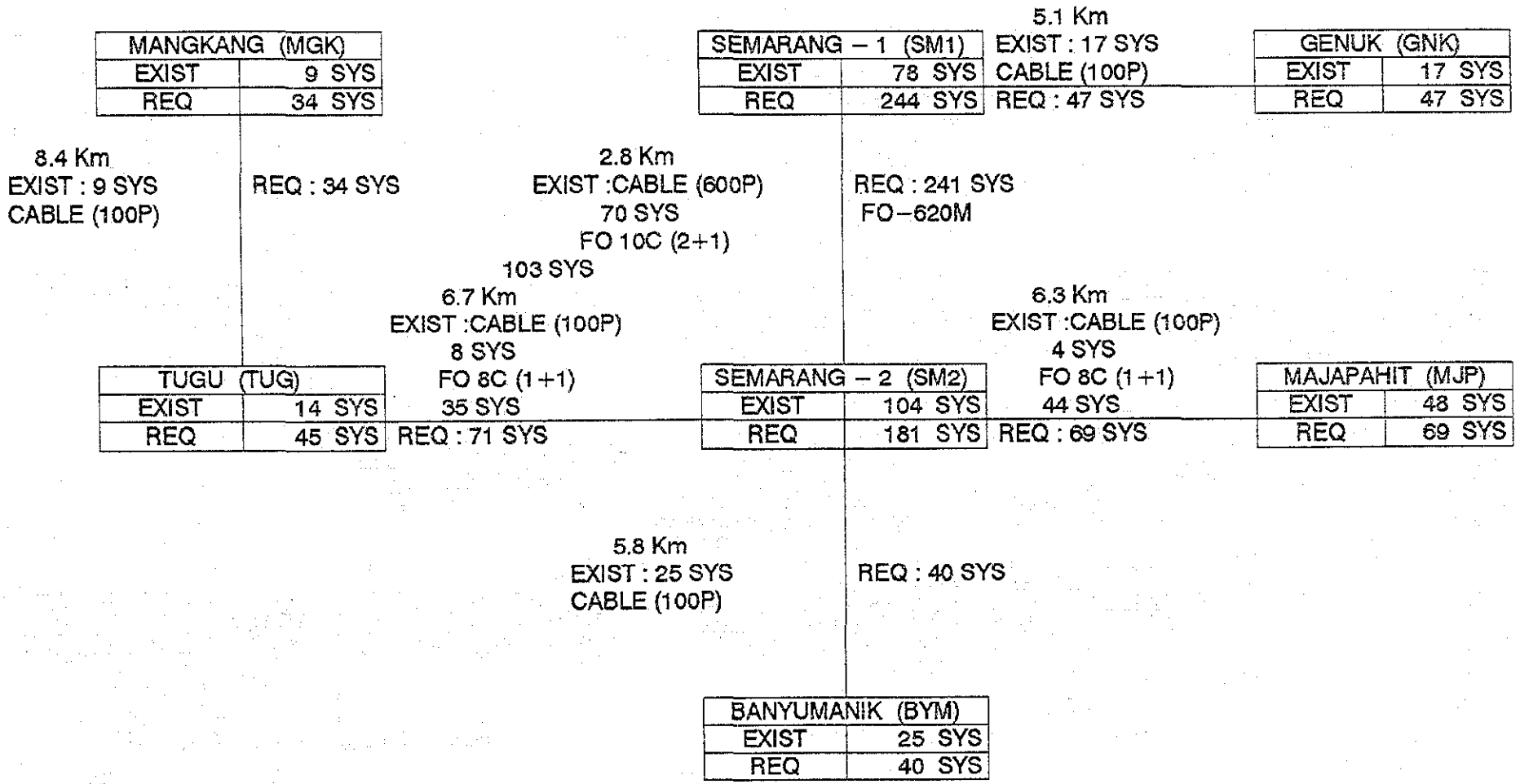


FIGURE 4BN – 13 JUNCTION NETWORK IN SOLO

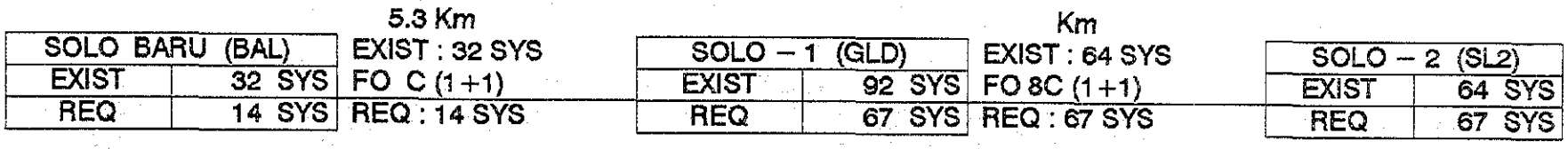


FIGURE 4BN – 14 JUNCTION NETWORK IN YOGYAKARTA

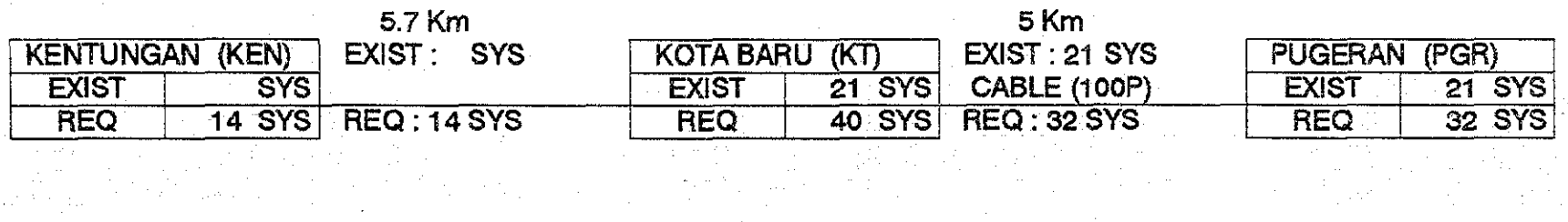


FIGURE 4BN – 15 JUNCTION NETWORK IN SURABAYA

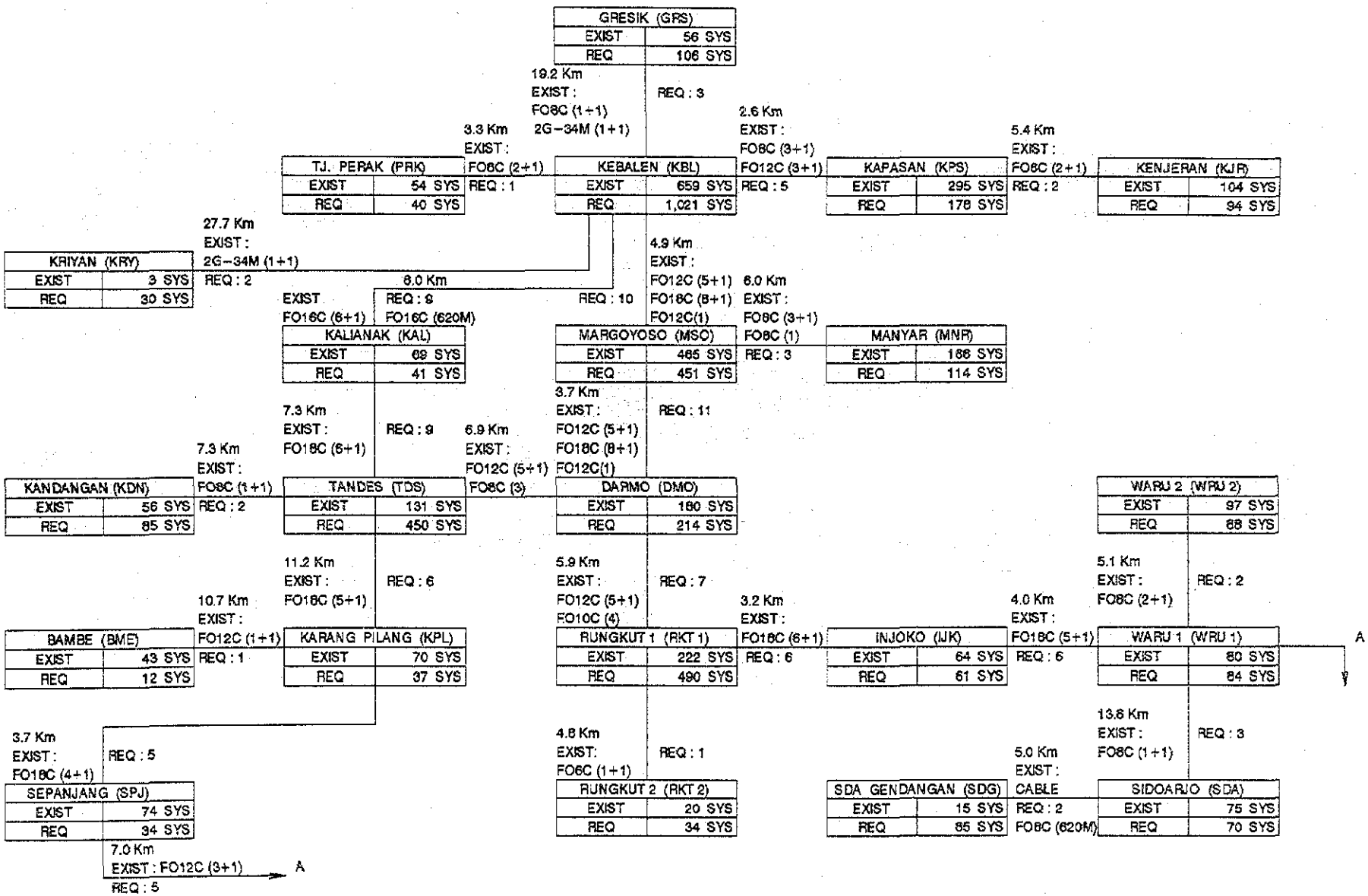


FIGURE 4BN – 16 JUNCTION NETWORK IN MALANG

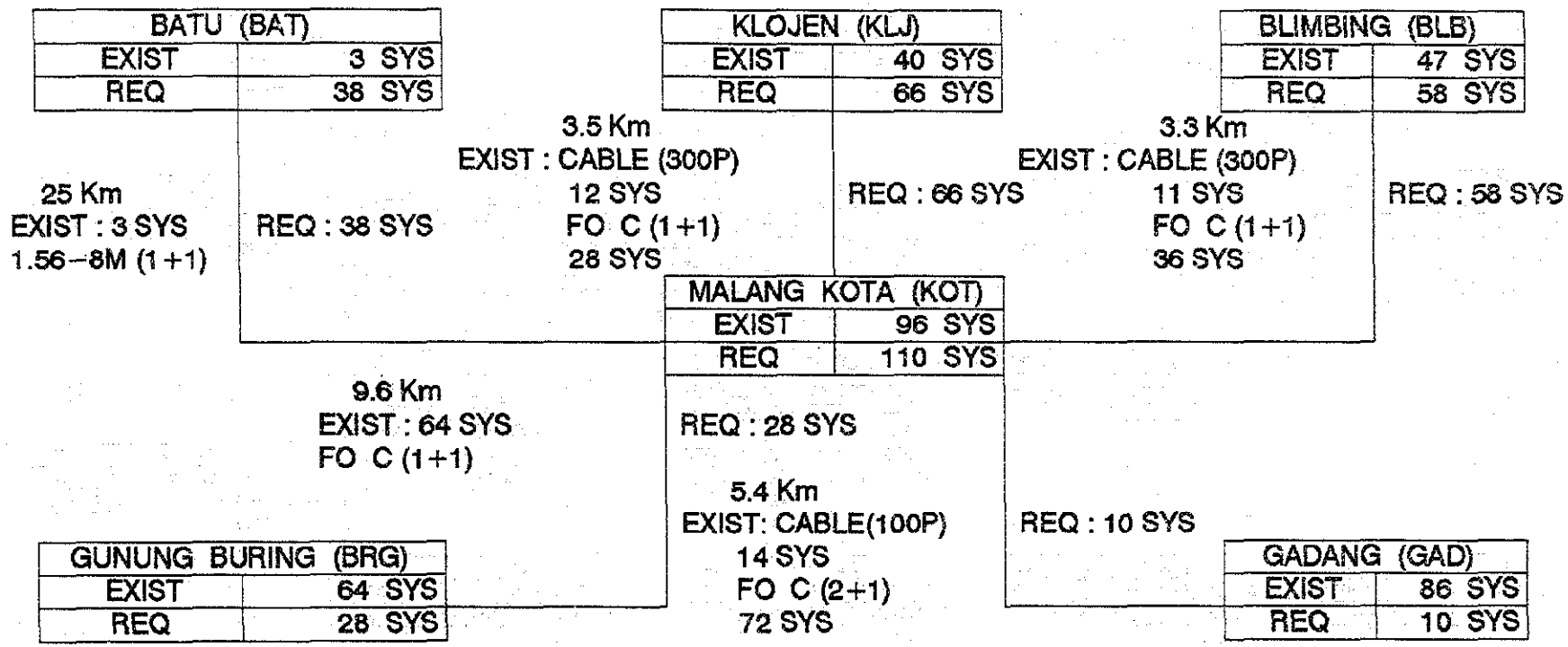


FIGURE 4BN – 17 JUNCTION NETWORK IN DENPASAR

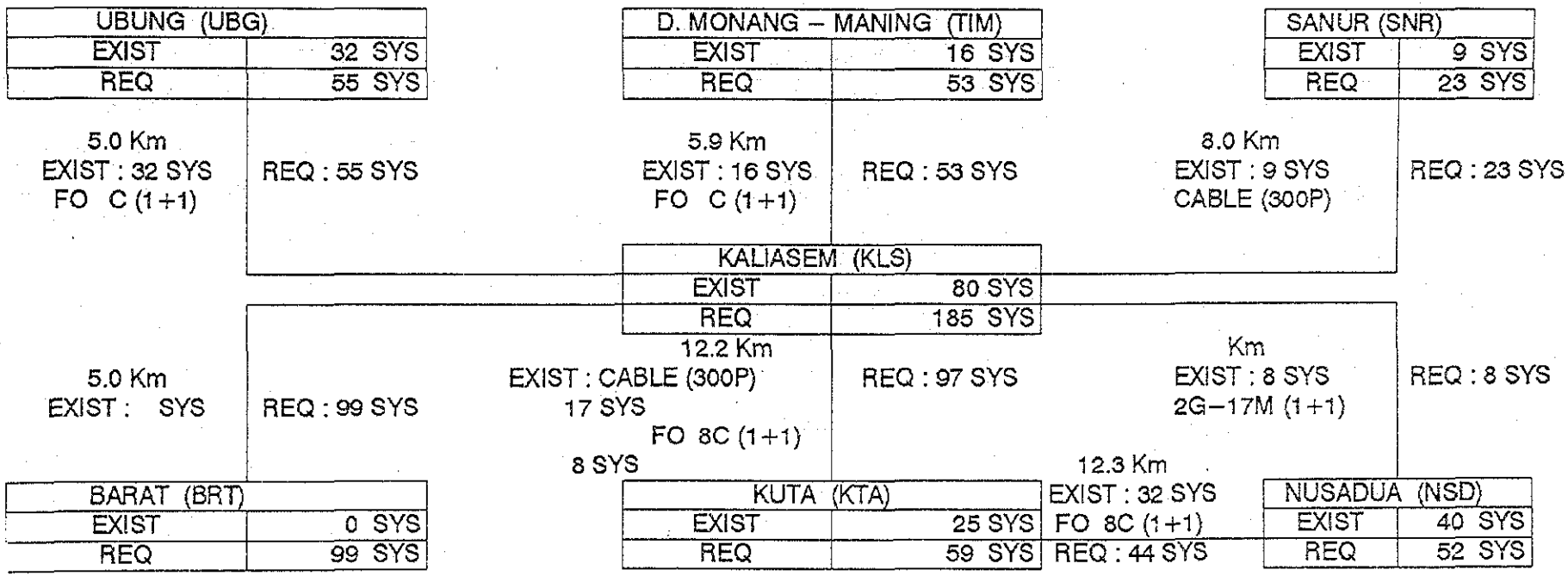


FIGURE 4BN – 18 JUNCTION NETWORK IN UJUNG PANDANG

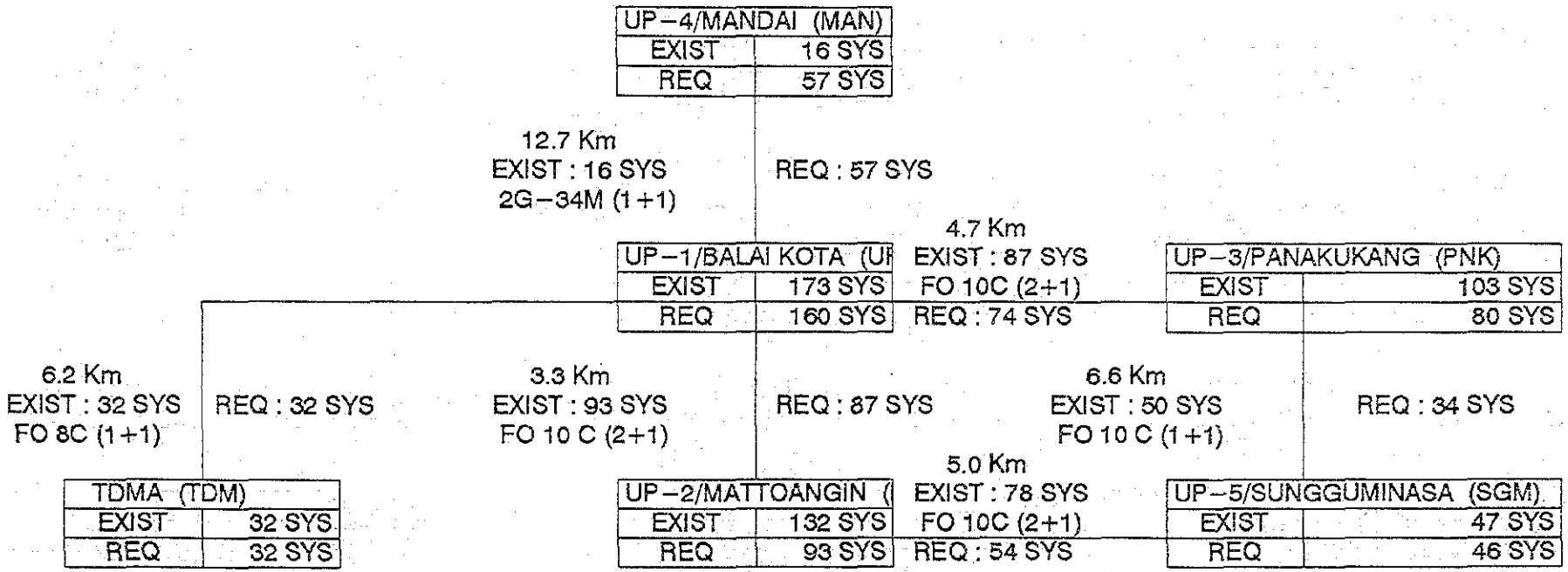
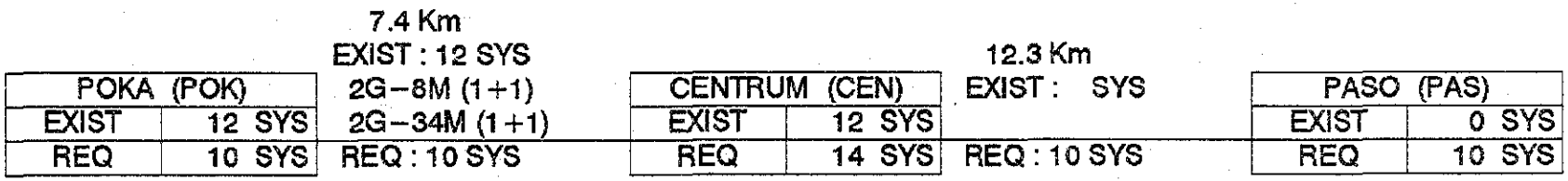


FIGURE 4BN – 19 JUNCTION NETWORK IN AMBON



FILE:G:CCT-BNA.PRN

TABLE 4BC-1-1 REQUIRED CIRCUIT MATRIX IN BANDA ACHE JUNCTION

	C1A	C1B	DRS	LTM	TRK	TOTAL
C1A	0	108	10	18	74	210
C1B	108	0	52	116	232	508
DRS	10	52	0	88	201	351
LTM	18	116	88	0	140	362
TRK	74	232	201	140	0	647
TOTAL	210	508	351	362	647	2,078

TABLE 4BC-1-2 REQUIRED 2MBIT MATRIX IN BANDA ACHE JUNCTION

	C1A	C1B	DRS	LTM	TRK	
C1A	0	8	1	2	5	
C1B	8	0	4	8	16	
DRS	1	4	0	6	14	
LTM	2	8	6	0	10	
TRK	5	16	14	10	0	
TOTAL	16	36	25	26	45	148
	39		25	26		INTER-OFFICE

FILE:B:2MG-BNA.PRN
TABLE 4BC-1-3 2MBIT DIMENSION TABLE IN BANDA ACEH JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
C1A	C1B	0	36	1			INTER-UNIT
C1A	TRK	0	45	1			INTER-UNIT
C1A	LTM	4.5	39	1	1	0	
LTM	DRS	9.9	25	1	1	0	
TOTAL			145	4	2	0	

FILE:B:CCT-MDN.PRN

TABLE 4BC-2-1 REQUIRED CIRCUIT MATRIX IN MEDAN JUNCTION

	C1A	C1B	C2A	C2B	C2C	C2D	C2E	CDI	PBL	PBN	SPL	SKA	TJR	TJM	TTG	DNI	BLW	TD1	TD2	TRK	TOTAL
C1A	0	124	14	18	18	29	25	0	0	18	8	28	11	12	0	29	0	0	59	158	551
C1B	124	0	40	55	55	96	80	0	0	55	19	93	29	32	0	95	0	0	211	488	1,472
C2A	14	40	0	38	38	66	55	21	23	0	0	0	0	0	15	0	0	69	0	158	537
C2B	18	55	38	0	52	91	76	28	31	0	0	0	0	0	20	0	0	96	0	223	728
C2C	18	55	38	52	0	91	76	28	31	0	0	0	0	0	20	0	0	96	0	223	728
C2D	29	96	66	91	91	0	135	47	53	0	0	0	0	0	32	0	0	173	0	401	1,214
C2E	25	80	55	76	76	135	0	40	44	0	0	0	0	0	27	0	0	143	0	335	1,036
CDI	0	0	21	28	28	47	40	0	0	0	0	0	0	0	0	0	0	0	695	474	1,333
PBL	0	0	23	31	31	53	44	0	0	0	0	0	0	0	103	0	0	0	707	552	1,544
PBN	18	55	0	0	0	0	0	0	0	0	0	0	0	47	0	88	37	348	0	299	892
SPL	8	19	0	0	0	0	0	0	0	0	0	50	30	0	0	0	0	145	0	116	368
SKA	28	93	0	0	0	0	0	0	0	0	50	0	78	0	0	0	59	656	0	535	1,499
TJR	11	29	0	0	0	0	0	0	0	0	30	78	0	0	0	0	22	261	0	211	642
TJM	12	32	0	0	0	0	0	0	0	47	0	0	0	0	0	65	32	245	0	206	639
TTG	0	0	15	20	20	32	27	0	103	0	0	0	0	0	40	0	0	0	388	323	968
DNI	29	95	0	0	0	0	0	0	0	88	0	0	0	65	0	0	70	654	0	557	1,558
BLW	0	0	0	0	0	0	0	0	0	37	0	59	22	32	0	70	0	90	142	104	556
TD1	0	0	69	96	96	173	143	0	0	348	132	656	259	216	0	654	90	0	2,202	0	5,134
TD2	59	211	0	0	0	0	0	695	707	0	21	0	12	0	417	0	142	2,264	0	0	4,528
TRK	158	488	158	223	223	401	335	474	552	299	116	535	211	206	323	557	104	0	0	0	5,363
TOTAL	551	1,472	537	728	728	1,214	1,036	1,333	1,544	892	376	1,499	652	650	957	1,558	556	5,240	4,404	5,363	31,290

TABLE 4BC-2-2 REQUIRED 2MBIT MATRIX IN MEDAN JUNCTION

	C1A	C1B	C2A	C2B	C2C	C2D	C2E	CDI	PBL	PBN	SPL	SKA	TJR	TJM	TTG	DNI	BLW	TD1	TD2	TRK	
C1A	0	9	1	2	2	2	2	0	0	2	1	2	1	1	0	2	0	0	4	11	
C1B	9	0	3	4	4	7	6	0	0	4	2	7	2	3	0	7	0	0	15	33	
C2A	1	3	0	3	3	5	4	2	2	0	0	0	0	0	1	0	0	5	0	11	
C2B	2	4	3	0	4	7	6	2	3	0	0	0	0	0	2	0	0	7	0	15	
C2C	2	4	3	4	0	7	6	2	3	0	0	0	0	0	2	0	0	7	0	15	
C2D	2	7	5	7	7	0	9	4	4	0	0	0	0	0	3	0	0	12	0	27	
C2E	2	6	4	6	6	9	0	3	3	0	0	0	0	0	2	0	0	10	0	23	
CDI	0	0	2	2	2	4	3	0	0	0	0	0	0	0	0	0	0	0	47	32	
PBL	0	0	2	3	3	4	3	0	0	0	0	0	0	0	7	0	0	0	48	37	
PBN	2	4	0	0	0	0	0	0	0	0	0	0	0	4	0	6	3	24	0	20	
SPL	1	2	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	10	1	8	
SKA	2	7	0	0	0	0	0	0	0	0	4	0	6	0	0	0	4	44	0	36	
TJR	1	2	0	0	0	0	0	0	0	0	2	6	0	0	0	0	2	18	1	15	
TJM	1	3	0	0	0	0	0	0	0	4	0	0	0	0	2	5	3	16	0	14	
TTG	0	0	1	2	2	3	2	0	7	0	0	0	0	2	0	0	0	0	27	22	
DNI	2	7	0	0	0	0	0	0	0	6	0	0	0	5	0	0	5	44	0	38	
BLW	0	0	0	0	0	0	0	0	0	3	0	4	2	3	0	5	0	6	10	7	
TD1	0	0	5	7	7	12	10	0	0	24	10	44	18	16	0	44	6	0	149	0	
TD2	4	15	0	0	0	0	0	47	48	0	1	0	1	0	27	0	10	149	0	0	
TRK	11	33	11	15	15	27	23	32	37	20	8	36	15	14	22	38	7	0	0	0	
TOTAL	42	106	40	55	55	87	74	92	107	63	28	103	47	48	68	107	40	352	302	364	2,180
	482		687					92	107	63	28	103	47	48	68	107	40				INTER-OFFICE

FILE:B:2MG-MDN.PRN

TABLE 4BC-2-3 2MBIT DIMENSION TABLE IN MEDAN JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
C1A	C1B	0	106	3			INTER-UNIT
C2A	C2B	0	55	2			INTER-UNIT
C2A	C2C	0	55	2			INTER-UNIT
C2A	C2D	0	87	2			INTER-UNIT
C2A	C2E	0	74	2			INTER-UNIT
C1A	C2A	0.6	438	9	4	5	FO-620M
C1A	TD1	0	352	7			INTER-UNIT
C2A	TD2	0	302	6			INTER-UNIT
C2A	TRK	0	364	8			INTER-UNIT
CDI	C2A	6.5	92	2	2	0	
TTG	PBL	4.5	68	2	1	1	FO-140M
PBL	C2A	5	161	4	2	2	FO-620M
TJR	SPL	5	47	1	1	0	
SPL	SKA	5	71	2	2	0	
SKA	C1A	5.1	154	3	2	1	FO-620M
C1A	PBN	4.3	131	3	2	1	FO-620M
PBN	TJM	8.1	82	2	1	1	FO-140M
TJM	BLW	6	40	1	1	0	
DNI	C1A	5.1	107	3		3	FO-620M(8C)
TOTAL			2,786	64	18	14	

FILE:B:CCT-PBR.PRN

TABLE 4BC-3-1 REQUIRED CIRCUIT MATRIX IN PAKANBARU JUNCTION

	CEN	AGK	RMB	TRK	TOTAL
CEN	0	102	164	465	731
AGK	100	0	33	73	206
RMB	161	33	0	115	309
TRK	465	73	115	0	653
TOTAL	726	208	312	653	1,899

FILE:B:CCT-PBR.PRN

TABLE 4BC-3-2 REQUIRED 2MBIT MATRIX IN PAKANBARU JUNCTION

	CEN	AGK	RMB	TRK	
CEN	0	7	11	31	
AGK	7	0	3	5	
RMB	11	3	0	8	
TRK	31	5	8	0	
TOTAL	49	15	22	44	130
	31	15	22		INTER-OFFICE

FILE:B:2MG-PBR.PRN
TABLE 4BC-3-3 2MBIT DIMENSION TABLE IN PAKANBARU JUNCTION

SECTI		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
CEN	RMB	6.3	22	1		1	FO-155M(8C)
CEN	AGK	8.3	15	1		1	FO-155M(8C)
CEN	TRK	0	44	1			INTER-UNIT
TOTAL			81	3	0	2	

FILE:B:CCT-PD.PRN

TABLE 4BC-4-1 REQUIRED CIRCUIT MATRIX IN PADANG JUNCTION

	CEN	BRT	UKR	TRK	TOTAL
CEN	0	364	89	410	863
BRT	367	0	88	427	882
UKR	89	88	0	95	272
TRK	410	427	95	0	932
TOTAL	866	879	272	932	2,949

FILE:B:CCT-PD.PRN

TABLE 4BC-4-2 REQUIRED 2MBIT MATRIX IN PADANG JUNCTION

	CEN	BRT	UKR	TRK	
CEN	0	25	6	28	
BRT	25	0	6	29	
UKR	6	6	0	7	
TRK	28	29	7	0	
TOTAL	59	60	19	64	202
	67	60	19		INTER-OFFICE

FILE:B:2MG-PD.PRN
TABLE 4BC-4-3 2MBIT DIMENSION TABLE IN PADAN JUNCTKTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
CEN	UKR	2	19	1			1 FO-155M(8C)
CEN	BRT	4.5	60	2			2 FO-155M(16C)
CEN	TRK	0	64	2			INTER-UNIT
TOTAL			143	5	0	3	

FILE:B:CCT-SKN.PRN

TABLE 4BC-5-1 REQUIRED CIRCUIT MATRIX IN BATAM JUNCTION

	BTA	BKT	CEN	MKA	MKB	SAG	SKN	BRT	TAN	TRK	TOTAL
BTA	0	15	182	9	84	14	70	209	77	420	1,080
BKT	14	0	21	3	12	4	10	23	10	34	131
CEN	182	21	0	8	64	14	61	147	48	307	852
MKA	9	3	8	0	28	3	6	9	6	25	97
MKB	84	11	64	28	0	12	47	80	35	171	532
SAG	14	4	14	3	12	0	11	20	10	30	118
SKN	70	10	61	6	47	11	0	78	32	145	460
BRT	209	23	147	9	80	20	78	0	37	359	962
TAN	77	10	48	6	37	10	32	37	0	113	370
TRK	420	34	307	25	171	30	145	359	113	0	1,604
TOTAL	1,079	131	852	97	535	118	460	962	368	1,604	6,206

FILE:B:CCT-SKN.PRN

TABLE 4BC-5-2 REQUIRED 2MBIT MATRIX IN BATAM JUNCTION

	BTA	BKT	CEN	MKA	MKB	SAG	SKN	BRT	TAN	TRK	
BTA	0	1	13	1	6	1	5	14	6	28	
BKT	1	0	2	1	1	1	1	2	1	3	
CEN	13	2	0	1	5	1	5	10	4	21	
MKA	1	1	1	0	2	1	1	1	1	2	
MKB	6	1	5	2	0	1	4	6	3	12	
SAG	1	1	1	1	1	0	1	2	1	2	
SKN	5	1	5	1	4	1	0	6	3	10	
BRT	14	2	10	1	6	2	6	0	3	24	
TAN	6	1	4	1	3	1	3	3	0	8	
TRK	28	3	21	2	12	2	10	24	8	0	
TOTAL	75	13	62	11	40	11	36	68	30	110	456
	75	13	62	37		11	126	68	30		INTER-OFFICE

FILE:B:2MG-SKN.PRN

TABLE 4BC-5-3 2MBIT DIMENSION TABLE IN BATAM JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
BPD	BKT	6.3	0	0		0	
BKT	BTA	9	91	2		2	
BKT	SKN	4	134	3		3	
BTA	NGS	9	62	2		2	
NGS	BTB	9	0	0		0	
NGS	CEN	8	62	2		2	
CEN	KBL	9.8	42	1		1	
KBL	DAK	9.5	42	1		1	
DAK	MKA	10.5	42	1		1	
MKA	MKB	0	40	1			INTER-UNIT
MKA	SAG	10.8	57	2		2	
SAG	PBL	3	0	0		0	
SAG	TAN	6	62	2		2	
TAN	BKT	6.5	70	2		2	
SKN	BRT	5	68	2		2	
TRK	SKN	0	110	3			INTER-UNIT
TOTAL			882	24	0	20	

FILE:B:CCT-PG.PRN

TABLE 4BC-6-1 REQUIRED CIRCUIT MATRIX IN PALEMBANG JUNCTION

	C1A	C1B	C1C	BST	KTU	SBH	TKP	SBU	TD1	TRK	TOTAL
C1A	0	107	88	21	21	21	22	29	34	162	505
C1B	107	0	181	19	20	52	23	70	74	317	863
C1C	88	181	0	15	16	41	18	56	66	268	749
BST	21	19	15	0	15	43	17	46	74	145	395
KTU	21	20	16	15	0	58	24	52	79	150	435
SBH	21	52	41	43	58	0	55	117	115	294	796
TKP	22	23	18	17	24	55	0	55	80	126	420
SBU	29	70	56	46	52	117	55	0	119	328	872
TD1	34	74	66	74	79	115	80	119	0	0	641
TRK	162	317	268	145	159	294	126	328	0	0	1790
TOTAL	505	863	749	395	435	796	420	872	641	1,790	7,466

TABLE 4BC-6-2 REQUIRED 2MBIT MATRIX IN PALEMBANG JUNCTION

	C1A	C1B	C1C	BST	KTU	SBH	TKP	SBU	TD1	TRK	
C1A	0	8	6	2	2	2	2	2	3	11	
C1B	8	0	13	2	2	4	2	5	5	22	
C1C	6	13	0	1	2	3	2	4	5	18	
BST	2	2	1	0	1	3	2	4	5	10	
KTU	2	2	2	1	0	4	2	4	6	10	
SBH	2	4	3	3	4	0	4	8	8	20	
TKP	2	2	2	2	2	4	0	4	6	9	
SBU	2	5	4	4	4	8	4	0	8	22	
TD1	3	5	5	5	6	8	6	8	0	0	
TRK	11	22	18	10	10	20	9	22	0	0	
TOTAL	38	63	54	30	33	56	33	61	46	122	536
	141			30	33	56	33	61			INTER-OFFICE

FILE:B:2MG-PG.PRN

TABLE 4BC-6-3 2MBIT DIMENSION TABLE IN PALENBANG JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
TKP	TD1	6.8	33	1	1	0	
TD1	C1A	0	38	1			INTER-UNIT
TD1	C1B	0	63	2			INTER-UNIT
TD1	C1C	0	54	2			INTER-UNIT
TD1	KTU	7.3	33	1	1	0	
TD1	SBH	6.4	56	2	2	0	
TD1	BST	5.8	30	1	1	0	
TD1	SBU	3.8	61	2	1	1	11G-140M
TD1	TRK	0	122	3			INTER-UNIT
TOTAL			490	15	6	1	

FILE:B:CCT-JB.PRN

TABLE 4BC-7-1 REQUIRED CIRCUIT MATRIX IN JAMBI JUNCTION

	C1A	C1B	KTB	TLN	TRK	TOTAL
C1A	0	212	43	91	264	610
C1B	212	0	34	71	219	536
KTB	43	34	0	86	85	248
TLN	91	71	86	0	143	391
TRK	264	219	85	143	0	711
TOTAL	610	536	248	391	711	2,496

TABLE 4BC-7-2 REQUIRED 2MBIT MATRIX IN JAMBI JUNCTION

	C1A	C1B	KTB	TLN	TRK	TOTAL
C1A	0	15	3	7	18	43
C1B	15	0	3	5	15	38
KTB	3	3	0	6	6	18
TLN	7	5	6	0	10	28
TRK	18	15	6	10	0	49
TOTAL	43	38	18	28	49	176
	34		18	28		INTER-OFFICE

FILE:B:2MG-JB.PRN
TABLE 4BC-7-3 2MBIT DIMENSION TABLE IN JAMBI JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
TLN	C1A	4.4	28	1		1	FO-155(8C)
C1A	C1B	0	38	1			INTER-UNIT
C1A	KTB	5.5	18	1		1	FO-155(8C)
C1A	TRK	0	49	1			INTER-UNIT
TOTAL			133	4	0	2	

FILE:B:CCT-BN.PRN

TABLE 4BC-8-1 REQUIRED CIRCUIT MATRIX IN BENGUKULU JUNCTION

	C1A	C1B	PLB	PGD	TRK	TOTAL
C1A	0	72	6	6	44	128
C1B	74	0	113	117	444	748
PLB	6	115	0	48	92	261
PGD	6	111	51	0	92	260
TRK	44	444	92	92	0	672
TOTAL	130	742	262	263	672	2,069

TABLE 4BC-8-2 REQUIRED 2MBIT MATRIX IN BENGUKULU JUNCTION

	C1A	C1B	PLB	PGD	TRK	
C1A	0	5	1	1	3	
C1B	5	0	8	8	30	
PLB	1	8	0	4	7	
PGD	1	8	4	0	7	
TRK	3	30	7	7	0	
TOTAL	10	51	20	20	47	148
	32		20	20		INTER-UNIT

FILE:B:2MG-BN.PRN
TABLE 4BC-8-3 2MBIT DIMENSION TABLE IN BENGUKULU JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
PLB	C1A	10	20	1		1	FO-155M(8C)
C1A	C1B	0	51	1			INTER-UNIT
C1A	PGD	9.4	20	1		1	FO-155M(8C)
C1A	TRK	0	47	1			INTER-UNIT
TOTAL			138	4	0	2	

FILE:B:CCT-TJK.PRN

TABLE 4BC-9-1 REQUIRED CIRCUIT MATRIX IN TANJUNG KARANG JUNCTION

	C1A	C1B	KDT	PJG	SRB	TLB	TRK	TOTAL
C1A	0	100	27	13	14	47	91	292
C1B	100	0	77	33	35	143	321	709
KDT	27	77	0	49	50	174	206	583
PJG	13	33	49	0	41	141	139	416
SRB	14	35	50	41	0	94	112	346
TLB	47	143	174	141	94	0	460	1,059
TRK	91	321	206	139	112	460	0	1,329
TOTAL	292	709	583	416	346	1,059	1,329	4,734

TABLE 4BC-9-2 REQUIRED 2MBIT MATRIX IN TANJUNG KARANG JUNCTION

	C1A	C1B	KDT	PJG	SRB	TLB	TRK	
C1A	0	7	2	1	1	4	7	
C1B	7	0	6	3	3	10	22	
KDT	2	6	0	4	4	12	14	
PJG	1	3	4	0	3	10	10	
SRB	1	3	4	3	0	7	8	
TLB	4	10	12	10	7	0	31	
TRK	7	22	14	10	8	31	0	
TOTAL	22	51	42	31	26	74	92	338
	93		42	31	26	74		INTER-UNIT

FILE:B:2MG-TJK.PRN
TABLE 4BC-9-3 2MBIT DIMENSION TABLE IN TANJUNG KARANG JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
KDT	C1A	4.3	42	1	1	0	
C1A	C1B	0	51	1			INTER-UNIT
C1A	TLB	4.5	85	2	1	1	FO-140M
TLB	PJG	7.9	31	1		1	FO-155M(8C)
C1A	SRB	14.5	26	1		1	11GHz-155M
C1A	TRK	0	92	2			INTER-UNIT
TOTAL			327	8	2	3	

FILE:CCT-JKT.PRN
TABLE 4BC-10-1 2MBIT MATRIX IN JAKARTA JUNCTION (1/4)

	JT2	CW	PSR	GAN	CSL	PDG	KLD	PDK	BEK	BKS	BGG	CLS	GPI	BKB	CIK	TB	CPP	RMG	PGG	KGD	KGP	TPR	CIL	GB1	GB2	SM2	SM1	KT2	KT1	PLT	ANC	KT3	KB	CPE	CPA
JT2	0	75	47	49	9	30	36	49	57	39	22	39	20	38	52	94	64	77	47	14	0	55	59	425	164	246	38	67	15	15	10	22	66	36	17
CW	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	19	10	0	0	0	7	0	27	22	14	14	15	0	0	0	7	74	13	0
PSR	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	20	10	0	0	8	0	0	0	0	49	0	0
GAN	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	24	13	0	0	9	0	0	0	0	50	8	0
CSL	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0
PDG	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	8	0	0	0	4	0	0	0	0	29	0	0
KLD	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	9	8	0	0	5	0	0	0	0	9	0	0
PDK	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	21	11	0	0	8	0	0	0	0	14	0	0
BEK	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	26	13	0	8	9	0	0	0	0	16	0	0
BKS	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	11	0	0	0	6	0	0	0	0	36	0	0
BGG	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0
CLS	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	13	0	0	0	7	0	0	0	0	38	0	0
GPI	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0
BKB	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	10	9	0	0	6	0	0	0	0	10	0	0
CIK	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	27	16	11	10	11	0	0	0	0	23	10	0
TB	94	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	14	0	10	0	10	9	92	39	34	23	19	0	8	0	11	37	18	0
CPP	64	19	7	8	0	4	31	44	52	6	0	7	0	33	48	24	0	73	43	54	13	52	53	142	60	103	31	149	19	19	14	67	50	28	10
RMG	77	10	0	0	0	0	0	0	0	0	0	0	0	0	0	14	73	0	0	16	0	15	14	42	37	21	19	24	0	0	0	13	33	15	0
PGG	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	26	13	0	0	10	0	0	0	0	13	0	0
KGD	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	54	16	0	0	0	15	11	35	26	16	15	59	0	0	0	0	24	11	0
KGP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
TPR	55	7	0	0	0	0	0	0	0	0	0	0	0	0	0	10	52	15	0	15	0	0	11	33	28	16	15	20	9	10	0	11	25	13	0
CIL	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	53	14	0	11	0	11	0	29	21	15	14	17	0	0	0	9	26	12	0
GB1	425	27	20	24	0	8	9	21	26	11	0	13	0	10	27	92	142	42	26	35	0	33	29	0	280	376	125	168	36	37	28	48	269	36	30
GB2	164	22	10	13	0	0	8	11	13	0	0	0	0	9	16	39	60	37	13	26	0	28	21	280	0	72	79	59	22	25	16	35	55	38	17
SM2	246	14	0	0	0	0	0	0	0	0	0	0	0	0	11	34	103	21	0	16	0	16	15	376	72	0	47	115	14	15	0	18	263	27	11
SM1	38	14	0	0	0	0	0	0	8	0	0	0	0	0	10	23	31	19	0	15	0	15	14	125	79	47	0	32	13	16	0	19	98	24	10
KT2	67	15	8	9	0	4	5	8	9	6	0	7	0	6	11	19	149	24	10	59	15	20	17	168	59	115	32	0	58	61	54	80	64	23	19
KT1	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	9	0	36	22	14	13	58	0	11	0	15	23	9	0
PLT	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	19	0	0	0	0	10	0	37	25	15	16	61	11	0	0	15	28	11	0
ANC	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	28	16	0	0	54	0	0	0	0	11	0	0
KT3	22	7	0	0	0	0	0	0	0	0	0	0	0	0	0	11	67	13	0	0	0	11	9	48	35	18	19	80	13	15	0	0	29	12	0
KB	66	74	49	50	9	29	9	14	16	36	22	38	20	10	23	37	50	33	13	24	0	25	26	269	55	263	98	64	23	28	11	29	0	73	68
CPE	36	13	0	8	0	0	0	0	0	0	0	0	0	0	10	18	28	15	0	11	0	13	12	36	38	27	24	23	9	11	0	12	73	0	16
CPA	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	30	17	11	10	10	0	0	0	0	66	16	0
SER	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	8	0	0	0	4	0	0	0	0	27	0	0

FILE:CCT-JKT.PRN
TABLE 4BC-10-1 2MBIT MATRIX IN JAKARTA JUNCTION (2/4)

SER	BSD	CNE	KBB	CDG	KA1	PSM	JAG	DP1	DP2	CIB	KA2	SLP	PLM	MER	KED	CKG	TGA	JIA	TAN	JUG	PSK	CKP	BLJ	TGS	CUG	LGK	PPG	KMY	STR	CPD	PGB	RSS	CBB	KRG	
8	9	14	14	9	72	50	51	56	51	44	13	59	28	11	14	28	24	7	12	0	0	0	0	6	0	0	0	0	6	0	36	32	11	24	JT2
0	0	0	0	0	11	0	0	0	0	0	0	18	9	0	0	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	CW
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PSR
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GAN
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CSL
0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PDG
0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KLD
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PDK
0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BEK
0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BKS
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BGG
0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CLS
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	GPI
0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BKB
0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CIK
0	0	0	0	0	14	0	0	0	0	0	8	25	15	0	0	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TB
4	5	8	9	6	19	8	9	9	7	6	10	44	24	8	12	24	18	6	9	0	0	0	0	3	0	0	0	0	4	0	34	21	0	0	CPP
0	0	0	0	0	11	0	0	0	0	0	0	26	12	0	0	16	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RMG
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PGG
0	0	0	0	0	0	0	0	0	0	0	0	19	11	0	0	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	KGD
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KGP
0	0	0	0	0	0	0	0	0	0	0	0	21	12	0	0	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	TPR
0	0	0	0	0	0	0	0	0	0	0	0	20	11	0	0	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	CIL
8	10	27	56	44	29	17	21	28	20	20	61	240	94	58	59	49	34	19	26	0	0	0	0	7	0	0	0	0	7	0	19	95	0	0	GB1
0	8	16	14	8	26	11	11	14	13	9	14	44	37	11	16	46	28	9	16	0	0	0	0	0	0	0	0	0	0	0	9	46	0	0	GB2
0	0	0	10	0	21	7	7	0	0	0	10	133	21	7	10	26	14	4	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	0	SM2
0	0	9	9	0	16	7	7	0	0	0	9	30	25	7	9	28	16	0	10	0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	SM1
4	7	8	9	6	19	8	8	9	8	7	8	37	23	8	13	71	28	35	10	26	14	26	28	24	14	11	20	0	22	0	7	18	0	0	KT2
0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	KT1
0	0	0	0	0	0	0	0	0	0	0	0	58	12	0	0	19	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	PLT
0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANC
0	0	0	0	0	9	0	0	0	0	0	0	28	15	0	6	19	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	KT3
27	38	26	62	44	74	57	58	69	59	47	65	57	39	15	21	36	67	10	64	0	0	0	0	6	0	0	0	0	5	18	10	85	11	24	KB
0	0	15	12	7	15	10	11	11	8	0	11	56	21	8	8	22	14	0	11	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	CPE
0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CPA
0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SER

FILE:CCT-JKT.PRN
TABLE 4BC-10-1 2MBIT MATRIX IN JAKARTA JUNCTION (3/4)

	JT2	CW	PSR	GAN	CSL	PDG	KLD	PDK	BEK	BKS	BGG	CLS	GPI	BKB	CIK	TB	CPP	RMG	PGG	KGD	KGP	TFR	CIL	GB1	GB2	SM2	SM1	KT2	KT1	PLT	ANC	KT3	KB	CPE	CPA
BSD	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	10	8	0	0	7	0	0	0	0	36	0	0
CNE	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	27	16	0	9	8	0	0	0	0	26	15	0
KBB	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	56	14	10	9	9	0	0	0	0	62	12	0
CDG	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	44	8	0	0	6	0	0	0	0	44	7	0
KA1	72	11	0	0	0	0	0	0	0	0	0	0	0	0	0	14	19	11	0	0	0	0	0	29	26	21	16	19	0	0	0	9	74	15	0
PSM	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	17	11	7	7	8	0	0	0	0	57	10	0
JAG	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	21	11	7	7	8	0	0	0	0	58	11	0
DP1	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	28	14	0	0	9	0	0	0	0	69	11	0
DP2	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	20	13	0	0	8	0	0	0	0	59	8	0
CIB	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	20	9	0	0	7	0	0	0	0	47	0	0
KA2	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	10	0	0	0	0	0	0	61	14	10	9	8	0	0	0	0	65	11	0
SLP	59	18	9	9	0	5	5	9	10	6	0	7	0	6	10	25	44	26	9	19	0	21	20	240	44	133	30	37	51	58	41	28	57	56	51
PLM	28	9	0	0	0	0	0	0	0	0	0	0	0	0	0	15	24	12	0	11	0	12	11	94	37	21	25	23	0	12	0	15	39	21	0
MER	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	58	11	7	7	8	0	0	0	0	15	8	0
KED	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	59	16	10	9	13	0	0	0	6	21	8	0
CKG	28	11	0	0	0	0	0	0	8	0	0	0	0	0	10	15	24	16	0	15	0	15	13	49	46	26	28	71	13	19	0	19	36	22	11
TGA	24	7	0	0	0	0	0	0	0	0	0	0	0	0	0	10	18	10	0	7	0	9	8	34	28	14	16	28	8	12	0	12	67	14	0
JIA	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	19	9	4	0	35	0	0	0	0	10	0	0
TAN	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	26	16	0	10	10	0	0	0	0	64	11	0
JUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0
PSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
CKP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0
BLJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0
TGS	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	7	0	0	0	24	0	0	0	0	6	0	0
CUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
LGK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
PPG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0
KMY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STR	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	7	0	0	0	22	0	0	0	0	5	0	0
CPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0
PGB	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	19	9	0	0	7	0	0	0	0	10	0	0
RSS	32	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	8	0	9	8	95	46	57	32	18	8	9	0	11	85	16	0
CBB	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0
KRG	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0
TOTAL	2782	375	150	170	18	80	103	156	199	104	44	111	40	112	228	541	1634	498	161	366	28	411	360	3501	1594	1761	864	1728	322	381	174	509	2748	689	251

FILE:CCT-JKT.PRN
TABLE 4BC-10-1 2MBIT MATRIX IN JAKARTA JUNCTION (4/4)

SER	BSD	CNE	KBB	CDG	KAT	PSM	JAG	DP1	DP2	CIB	KA2	SLP	PLM	MER	KED	CKG	TGA	JIA	TAN	JUG	PSK	CKP	BLJ	TGS	CUG	LGK	PPG	KMY	STR	CPD	PGB	RSS	CBB	KRG	
0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BSD
0	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CNE
0	0	0	0	0	0	0	0	0	0	0	0	10	8	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	KBB
0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CDG
0	0	0	0	0	0	0	0	0	0	0	8	18	9	0	0	14	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	KA1
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PSM
0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	JAG
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DP1
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DP2
0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CIB
0	0	0	0	0	8	0	0	0	0	0	0	10	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	KA2
25	36	43	10	8	18	9	10	9	9	9	10	0	85	48	53	70	67	33	54	23	12	23	25	22	12	11	20	0	20	18	7	20	0	0	SLP
0	0	0	8	0	9	0	0	0	0	0	0	85	0	8	9	20	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	PLM
0	0	0	0	0	0	0	0	0	0	0	0	48	8	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	MER
0	0	0	0	0	0	0	0	0	0	0	0	53	9	0	0	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	KED
0	0	9	9	7	14	0	7	9	0	0	7	70	20	9	16	0	34	9	14	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	CKG
0	0	0	0	0	7	0	0	0	0	0	0	67	12	0	8	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	TGA
0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	JIA
0	0	0	0	0	0	0	0	0	0	0	0	54	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TAN
0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	JUG
0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PSK
0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CKP
0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	BLJ
0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TGS
0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CUG
0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	LGK
0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PPG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KMY
0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	STR
0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CPD
0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PGB
0	0	0	6	0	13	0	0	0	0	0	7	20	14	0	6	17	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	RSS
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CBB
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	KRG
76	113	175	228	139	405	184	200	214	175	142	241	1962	574	198	260	746	464	132	226	49	26	49	53	68	26	22	40	0	64	36	122	558	22	48	31230

FILE:B:2MG-JKT.PRN
TABLE 4BC-10-2 2MBIT DIMENSION IN JAKARTA JUNCTION (1/2)

SECTION		DISTANCE IN KM	NO. OF 2M JKT1	JKT2	JKT3	JKT4	JKT5	JKT6	JKT7	TOTAL NO.OF 2M	140MB REQUIRED	EXISTING 140MB	EXISTING CORES	PLANNED 140MB	PLANNED CORES	REMAINING SM CORES	EXPANSION 140MB	REMARKS
BLJ	CKP	12.6	0	0	0	0	28	0	25	53	2	0	0	1	12	8	1	140M
TGS	CKP	9.4	6	0	3	7	24	6	22	68	2	0	0	2	12	6	0	
PPG	LGK	6.8	0	0	0	0	20	0	20	40	1	0	0	1	12	8	0	
LGK	CMG	10.5	0	0	0	0	31	0	31	62	2	0	0	2	12	6	0	
CUG	CKP	8.8	0	0	0	0	45	0	43	88	2	0	0	2	12	6	0	
CKP	TAN	16.5	6	0	3	7	123	6	113	258	6	0	0	5	16	4	1	140M
PSK	TAN	10	0	0	0	44	14	0	12	70	2	0	0			0	2	STM-1(16 CORES)
BSD	TAN	18.3	97	8	9	132	77	327	0	650	13	0	0	6	22	8	7	STM-4
TAN	CKG	12.6	115	8	3	123	240	258	242	989	20	4	10(12)	11	28	6	5	STM-4(16 CORES)
JIA	CKG	13	7	0	6	28	39	10	42	132	3	3	8(6)	0	0	4	0	
TGA	CKG	4.5	73	10	82	189	384	300	166	1204	24	3	8(12)	11	36	16	10	STM-4
CKG	SLP	10	206	51	18	293	196	522	553	1839	36	16	24(10)	12	36	18	8	STM-4
KED	SLP	7	14	0	12	75	32	35	92	260	6	4	12(6)	0	0	4	2	140M
MER	PLM	3.6	11	0	8	69	22	23	65	198	4	3	10(6)	0	0	2	1	140M
PLM	SLP	6.3	48	15	55	223	91	118	206	756	15	14	20(10)	0	0	2	1	140M
PLT	KT1	4.4	51	8	118	218	412	272	20	1099	22	8	14(12)	10	36	20	4	STM-4
KT1	ANC	7.2	36	8	119	227	443	41	20	894	18	7	14(10)	11	36	16	0	
ANC	KT2	4.6	26	8	133	243	497	11	20	938	19	0	0	12	36	10	7	STM-4
KT3	KT2	3	29	11	80	103	117	169	0	509	10	11	28	0	0	4	0	
STR	KT2	10.3	6	0	4	7	22	5	20	64	2	0	0	2	12	6	0	
TPR	CPP	9.9	7	486	357	314	7	0	7	1178	23	9	14(20)	4	28	24	10	STM-4
KGD	CPP	5	14	10	342	0	0	0	0	366	8	5	14(10)	0	0	8	3	STM-4
KGP	CPP	5	0	0	28	0	0	0	0	28	1	0	0	0	0	0	1	STM-1
CIL	PGG	9.5	114	467	277	182	7	0	7	1054	21	0	0	7	28	12	14	STM-4(16 CORES)
PGB	PGG	5	36	0	34	28	7	10	7	122	3	0	0			0	3	STM-4(16 CORES)
BKB	PGG	10.5	274	467	69	172	0	0	0	982	20	0	0	8	28	10	12	STM-4(16 CORES)
RMG	PGG	4.5	77	0	208	0	0	0	0	285	6	0	0	2	12	6	4	STM-4
CIK	BEK	15.9	52	176	0	0	0	0	0	228	5	0	0	5	16	4	0	
BGG	BKS	9.2	125	66	0	19	0	0	0	210	5	0	0	5	22	10	0	
BKS	BEK	6.7	164	13	0	19	0	0	0	196	4	2	8	5	22	12	0	
BEK	PDK	12.7	585	258	69	191	0	0	0	1103	22	4	18	12	36	20	6	STM-4
PDK	KLD	7	634	169	69	191	0	0	0	1063	21	7	28	12	36	24	2	STM-4
KLD	JT2	5.1	670	112	69	191	0	0	0	1042	21	11	46(8)	12	36	36	0	
GB1	GB2	3.9	82	70	120	726	0	0	0	998	20	15	22(16)	0	0	4	5	STM-4(16 CORES)
GB2	JT2	5.9	114	39	16	427	0	0	0	596	12	6	10(16)	0	0	6	6	STM-4(16 CORES)
TB	JT2	5	106	435	0	0	0	0	0	541	11	12	32(16)	0	0	14	0	
CSL	GAN	7.6	524	133	0	82	64	23	9	835	17	0	0	3	16	8	14	STM-4(16 CORES)
CBB	GAN	5	11	0	0	0	0	11	0	22	1	0	0	0	0	0	1	STM-1
GAN	PSR	4.1	584	70	0	82	64	12	9	821	17	4	10(8)	2	16	16	11	STM-4
PRG	PDG	5	24	0	0	0	0	24	0	48	1			0	0	0	1	STM-1
PDG	PSR	8.1	54	46	0	0	0	24	0	124	3	3	12	0	0	6	0	
PSP	CW	5.8	636	34	0	82	64	12	9	837	17	16	52(12)	0	0	26	1	140M
CW	JT2	8	693	34	0	82	64	12	9	894	18	23	56(20)	0	0	20	0	
CLS	GPI	12.3	64	146	0	19	0	0	0	229	5	0	0	5	22	10	0	

FILE:B:2MG-JKT.PRN
TABLE 4BC-10-2 2MBIT DIMENSION IN JAKARTA JUNCTION (2/2)

SECTION		DISTANCE IN KM	NO. OF 2M JKT1	JKT2	JKT3	JKT4	JKT5	JKT6	JKT7	TOTAL NO.OF 2M	140MB REQUIRED	EXISTING 140MB	EXISTING CORES	PLANNED 140MB	PLANNED CORES	REMAINING SM CORES	EXPANSION 140MB	REMARKS
GPI	CIB	9.8	44	166	0	19	0	0	0	229	5	0	0	5	22	10	0	
CIB	DP2	10.5	0	166	6	10	7	47	9	245	5	0	0	6	22	8	0	
DP2	DP1	6.2	464	308	13	79	79	137	27	1107	22	2	6	7	36	20	13	STM-4
DP1	JAG	9.5	408	308	22	93	88	217	45	1181	24	0	0	7	36	20	17	STM-4
JAG	PSM	8.1	357	308	31	105	82	286	62	1231	25	2	8(6)	7	36	26	16	STM-4
PSM	KA1	4.9	307	308	39	117	76	353	71	1271	25	7	14(12)	7	36	24	11	STM-4
KA1	KB	7.8	224	322	69	118	60	451	122	1366	27	12	18(20)	7	36	24	8	STM-4
KA2	KB	5	13	8	10	75	27	76	32	241	5	4	14	0	0	4	1	140M
DLU	KB	5	0	0	0	0	0	0	0	0	0	1	6	0	0	2	0	
SER	CPA	12.7	80	8	18	142	88	331	0	667	14	4	14(6)	6	22	16	4	STM-4
CPA	CPE	9.3	63	8	28	143	77	353	0	672	14	7	18(8)	6	22	16	1	140M
CNE	CPE	5	14	0	8	43	17	93	0	175	4	4	18	0	0	10	0	
CPE	KB	7.7	0	28	90	185	76	499	0	878	18	17	62(14)	0	0	34	1	140M
CDG	KBB	7.4	9	0	6	52	6	51	15	139	3	0	0	3	12	4	0	
KBB	KB	8.1	23	0	15	122	34	158	15	367	8	5	14(8)	5	16	10	0	
RSS	SM1	5	42	0	29	167	107	135	87	567	12			0	0	0	12	STM-4(16 CORES)
SM1	SM2	2.3	94	41	94	400	516	135	87	1367	27	24	30(24)	0	0	4	3	STM-4
GAT	SM2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SM2	SLP	8.4	46	12	164	329	629	367	190	1737	34	30	50(22)	0	0	16	4	STM-4
SLP	KT2	7.1	18	0	227	294	484	204	17	1244	25	17	38(20)	0	0	18	8	STM-4
KT2	CPP	6.8	96	77	556	365	473	258	17	1842	36	19	48(18)	0	0	20	17	STM-4
CPP	JT2	9.3	354	111	387	105	466	268	10	1701	34	18	40(18)	0	0	14	16	STM-4(16 CORES)
JT2	KB	12.3	337	165	344	502	457	280	10	2095	41	24	46(14)	0	0	6	17	STM-4(16 CORES)
KB	SM2	5.5	277	82	171	539	641	362	163	2235	44	31	62(24)	0	0	14	13	STM-4(16 CORES)
SER	BSD	6.6	88	8	14	134	84	329	0	657	13	0	0	6	22	8	7	STM-4
TGA	PLT	9.5	66	0	117	206	382	345	20	1136	23	0	0	11	36	12	12	STM-4
KT1	KT2	2.4	0	0	0	0	0	179	0	179	4	20	26(24)	0	0	4	0	
CIL	TPR	5.8	55	476	305	247	7	0	7	1097	22	3	8(8)	5	28	22	14	STM-4
RMG	CPP	6.9	10	14	189	0	0	0	0	213	5	8	10(18)	0	0	2	0	
BKB	BEK	4.2	312	405	69	172	0	0	0	958	19	3	8	8	28	12	8	STM-4
BGG	CLS	4.8	103	88	0	19	0	0	0	210	5	0	0	5	22	10	0	
CSL	DP2	7.9	515	142	0	82	64	23	9	835	17	0	0	3	16	8	14	STM-4(16 CORES)
GB1	SM2	6.7	123	16	83	665	55	0	0	942	19	34	66(36)	0	0	18	0	
GB1	SLP	7	280	146	18	685	0	0	9	1138	23	26	64(30)	0	0	22	0	
GB1	KT2	5	73	26	87	462	0	0	0	648	13	29	80(26)	0	0	40	0	
GB1	CPP	6.3	287	239	564	142	0	0	0	1232	25	29	60(24)	0	0	20	0	
GB1	JT2	8.6	834	278	96	207	55	0	9	1479	29	25	40(26)	0	0	8	4	STM-4
GB1	KB	8.3	127	180	107	608	0	0	0	1022	20	24	52(18)	0	0	16	0	
PGG	CPP	5	0	0	32	0	0	10	0	42	1	4	10(8)	0	0	6	0	
JNG	TAN	5	0	0	0	0	26	0	23	49	1	1	6	0	0	2	0	
KMY	CPP	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CPD	TAN	5	0	0	0	0	0	18	18	36	1	1	6	0	0	2	0	
TOTAL										58403	1183	625		274			364	

Note: In 'Existing Cores' column, the number in ( ) indicates the number of GI cores. All others are SM cores.

FILE:B:CCT-BD.PRN

TABLE 4BC-11-1 REQUIRED CIRCUIT MATRIX IN BANDUNG JUNCTION

	B1A	B1B	B1C	C1A	C1B	C1C	CJA	DAG	G1A	G1B	KOP	LEU	PAN	E1A	E1B	I1A	I1B	TUR	UBR	UTR	CMI	LEM	DAY	TD1	TRK	TOTAL
B1A	0	45	40	19	25	29	18	19	10	24	25	21	15	25	20	25	25	22	15	17	23	6	3	63	223	757
B1B	48	0	141	74	97	113	38	73	19	92	97	48	28	97	79	95	97	87	59	67	54	13	5	218	942	2,681
B1C	42	139	0	64	83	97	32	63	16	79	83	41	24	83	67	81	83	74	50	57	47	12	5	205	811	2,338
C1A	17	73	63	0	70	79	20	39	17	50	52	26	15	52	42	51	52	47	32	36	29	9	4	150	509	1,534
C1B	22	95	82	71	0	100	26	51	21	65	68	34	19	68	55	67	68	61	41	47	38	11	4	183	669	1,966
C1C	26	111	96	81	101	0	31	60	15	76	80	40	23	80	65	78	80	71	48	55	45	12	5	199	780	2,258
CJA	18	51	36	23	30	35	0	23	11	29	30	15	16	29	23	28	29	26	18	20	16	6	3	73	260	848
DAG	18	74	64	41	53	62	21	0	17	51	53	27	16	53	43	52	53	48	33	37	30	9	4	145	502	1,506
G1A	10	15	23	17	20	22	11	16	0	19	20	13	9	20	17	20	20	18	14	15	0	4	2	20	111	456
G1B	22	91	79	51	66	77	26	50	20	0	66	33	19	66	53	65	66	59	40	46	37	10	4	178	632	1,856
KOP	23	96	84	53	69	81	27	52	21	66	0	34	33	69	56	68	69	62	42	48	39	11	4	184	648	1,939
LEU	21	50	44	28	36	42	16	28	13	34	36	0	19	36	29	35	36	32	22	25	21	7	3	100	474	1,487
PAN	15	30	26	17	22	25	16	17	9	21	22	19	0	22	18	21	22	19	22	15	21	6	3	68	14	490
E1A	23	96	84	53	69	81	27	52	21	66	69	34	20	0	74	68	69	62	42	48	39	11	4	181	669	1,962
E1B	19	78	68	43	57	66	22	43	18	54	57	28	17	73	0	55	57	50	34	39	32	9	4	149	537	1,609
I1A	22	94	82	52	68	79	26	51	20	64	68	34	20	68	55	0	87	60	41	47	38	11	4	176	653	1,920
I1B	23	96	84	53	69	81	27	52	21	66	69	34	20	69	56	87	0	62	42	48	39	11	4	180	669	1,962
TUR	21	86	75	48	62	72	24	47	19	59	62	31	18	62	50	61	62	0	38	43	35	10	4	169	595	1,751
UBR	15	60	52	34	44	51	17	33	14	41	44	22	16	44	35	43	44	39	0	30	25	8	4	118	403	1,236
UTR	16	68	59	38	49	57	19	37	16	46	49	25	18	49	40	48	49	44	30	0	28	9	4	131	457	1,380
CMI	16	56	49	32	41	47	16	31	14	39	41	21	21	41	33	40	41	37	25	28	0	8	4	106	376	1,163
LEM	6	13	12	9	10	11	6	9	4	10	10	7	5	10	9	10	10	10	8	8	8	0	2	0	42	235
DAY	3	5	5	4	4	5	3	4	2	4	4	3	3	4	4	4	4	4	4	4	3	2	0	0	13	95
TD1	89	182	170	136	156	162	113	159	18	170	177	128	89	170	154	165	168	167	142	152	140	0	0	0	0	3,007
TRK	223	942	811	509	669	780	260	502	111	632	648	474	14	669	537	653	669	593	403	457	376	48	13	0	0	10,993
TOTAL	758	2,646	2,329	1,550	1,970	2,254	842	1,511	467	1,857	1,930	1,192	497	1,959	1,614	1,920	1,960	1,754	1,245	1,389	1,163	243	96	2,996	10,993	47,135

FILE:B:CCT-BD.PRN

TABLE 4BC-11-2 REQUIRED 2MBIT MATRIX IN BANDUNG JUNCTION

	B1A	B1B	B1C	C1A	C1B	C1C	CJA	DAG	G1A	G1B	KOP	LEU	PAN	E1A	E1B	I1A	I1B	TUR	UBR	UTR	CMI	LEM	DAY	TD1	TRK	
B1A	0	4	3	2	2	2	2	2	1	2	2	2	1	2	2	2	2	2	1	2	2	1	1	6	15	
B1B	4	0	10	5	7	8	3	5	2	7	7	4	2	7	6	7	7	6	4	5	4	1	1	14	63	
B1C	3	10	0	5	6	7	3	5	2	6	6	3	2	6	5	6	6	5	4	4	4	1	1	13	55	
C1A	2	5	5	0	5	6	2	3	2	4	4	2	2	4	3	4	4	4	3	3	3	1	1	10	34	
C1B	2	7	6	5	0	7	2	4	2	5	5	3	2	5	4	5	5	5	3	4	3	1	1	12	45	
C1C	2	8	7	6	7	0	3	5	2	6	6	3	2	6	5	6	6	5	4	4	4	1	1	13	52	
CJA	2	3	3	2	2	3	0	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	7	18	
DAG	2	5	5	3	4	5	2	0	2	4	4	2	2	4	3	4	4	4	3	3	3	1	1	11	34	
G1A	1	2	2	2	2	2	1	2	0	2	2	1	1	2	2	2	2	2	1	2	1	1	1	2	8	
G1B	2	7	6	4	5	6	2	4	2	0	5	3	2	5	4	5	5	4	3	4	3	1	1	12	43	
KOP	2	7	6	4	5	6	2	4	2	5	0	3	2	5	4	5	5	5	3	4	3	1	1	13	44	
LEU	2	4	3	2	3	3	2	2	1	3	3	0	2	3	2	3	3	3	2	2	2	1	1	8	32	
PAN	1	2	2	2	2	2	2	2	1	2	2	2	0	2	2	2	2	2	2	2	2	1	1	6	1	
E1A	2	7	6	4	5	6	2	4	2	5	5	3	2	0	5	5	5	5	3	4	3	1	1	12	45	
E1B	2	6	5	3	4	5	2	3	2	4	4	2	2	5	0	4	4	4	3	3	3	1	1	11	36	
I1A	2	7	6	4	5	6	2	4	2	5	5	3	2	5	4	0	6	5	3	4	3	1	1	12	44	
I1B	2	7	6	4	5	6	2	4	2	5	5	3	2	5	4	6	0	5	3	4	3	1	1	12	45	
TUR	2	6	5	4	5	5	2	4	2	4	5	3	2	5	4	5	5	0	3	3	3	1	1	12	40	
UBR	1	4	4	3	3	4	2	3	1	3	3	2	2	3	3	3	3	3	0	2	2	1	1	9	27	
UTR	2	5	4	3	4	4	2	3	2	4	4	2	2	4	3	4	4	3	2	0	2	1	1	10	31	
CMI	2	4	4	3	3	4	2	3	1	3	3	2	2	3	3	3	3	3	2	2	0	1	1	9	26	
LEM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	4	
DAY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	
TD1	6	14	13	10	12	13	7	11	2	12	13	8	6	12	11	12	12	12	9	10	9	0	0	0	0	
TRK	15	63	55	34	45	52	18	34	8	43	44	32	1	45	36	44	45	40	27	31	26	4	1	0	0	
TOTAL	63	189	168	116	143	164	69	115	46	138	141	92	47	142	119	141	142	131	92	106	92	26	23	214	743	3,462
	386			1,178			69	115	180		141	92	47	251		271		131	92	106	92	26	23			INTER-OFFICE

FILE:B:2MG-BD.PRN

TABLE 4BC-11-3 2MBIT DIMENSION TABLE IN BANDUNG JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
LEM	G1A	15	26	1	1	0	
G1A	G1B	0	138	3			INTER-UNIT
G1A	UTR	2.5	202	4	2	2	FO-620M(8C)
UTR	DAG	3.6	115	3		3	FO-620M(8C)
UTR	TD1	5.1	389	8	3	5	FO-620M(16C)
TD1	C1A	0	116	3			INTER-UNIT
TD1	C1B	0	143	3			INTER-UNIT
TD1	C1C	0	164	4			INTER-UNIT
TD1	TRK	0	743	15			INTER-UNIT
TD1	B1A	4.4	386	8	2	6	FO-620M(16C)
B1A	B1B	0	189	4			INTER-UNIT
B1A	B1C	0	168	4			INTER-UNIT
TD1	I1A	5.6	408	8	3	5	FO-620M(16C)
I1A	I1B	0	142	3			INTER-UNIT
I1A	UBR	7.9	92	2		2	FO-620M(8C)
I1A	CJA	8.8	69	2		2	FO-620M(8C)
TD1	DAY	20	68	2		2	FO-620M(8C)
DAY	PAN	20	47	1		1	FO-155M(8C)
TD1	TUR	3.9	131	3	2	1	FO-140M
TD1	E1A	4.6	374	8		8	FO-620M(16C)
E1A	E1B	0	119	3			INTER-UNIT
E1A	KOP	5.6	141	3		3	FO-620M(8C)
TD1	CMI	7.5	92	2		2	FO-620M(8C)
TD1	LEU	20	92	2		2	FO-620M(8C)
TOTAL				99	13	44	

FILE:B:CCT-SM.PRN

TABLE 4BC-12-1 REQUIRED CIRCUIT MATRIX IN SEMARANG JUNCTION

	BYM	G1A	G1B	S1A	S1B	MGK	TUG	MJP	S2A	S2B	S2C	TD1	TRK	TOTAL
BYM	0	0	19	24	33	20	38	82	45	43	42	23	158	527
G1A	0	0	61	15	16	11	16	19	15	14	14	18	76	275
G1B	19	61	0	16	16	17	16	35	15	22	22	26	110	375
S1A	24	15	16	0	293	28	33	73	54	51	51	21	335	994
S1B	33	16	16	293	0	21	43	74	55	52	52	16	339	1,010
MGK	20	11	17	28	21	0	53	53	21	20	27	23	122	416
TUG	38	16	16	33	43	53	0	73	45	34	42	22	179	594
MJP	82	19	35	73	74	53	73	0	77	74	73	18	315	966
S2A	45	15	15	54	55	21	45	77	0	301	296	16	535	1,475
S2B	43	14	22	51	52	20	34	74	301	0	282	18	513	1,424
S2C	42	14	22	51	52	27	42	73	296	282	0	0	504	1,405
TD1	23	18	26	21	16	23	22	18	15	18	0	0	0	200
TRK	158	76	110	335	339	122	179	315	535	513	504	0	0	3,186
TOTAL	527	275	375	994	1,010	416	594	966	1,474	1,424	1,405	201	3,186	12,847

TABLE 4BC-12-2 REQUIRED 2MBIT MATRIX IN SEMARANG JUNCTION

	BYM	G1A	G1B	S1A	S1B	MGK	TUG	MJP	S2A	S2B	S2C	TD1	TRK	
BYM	0	0	2	2	3	2	3	6	3	3	3	2	11	
G1A	0	0	5	1	2	1	2	2	1	1	1	2	6	
G1B	2	5	0	2	2	2	2	3	1	2	2	2	8	
S1A	2	1	2	0	20	2	3	5	4	4	4	2	23	
S1B	3	2	2	20	0	2	3	5	4	4	4	2	23	
MGK	2	1	2	2	2	0	4	4	2	2	2	2	9	
TUG	3	2	2	3	3	4	0	5	3	3	3	2	12	
MJP	6	2	3	5	5	4	5	0	6	5	5	2	21	
S2A	3	1	1	4	4	2	3	6	0	21	20	2	36	
S2B	3	1	2	4	4	2	3	5	21	0	19	2	35	
S2C	3	1	2	4	4	2	3	5	20	19	0	0	34	
TD1	2	2	2	2	2	2	2	2	2	2	0	0	0	
TRK	11	6	8	23	23	9	12	21	36	35	34	0	0	
TOTAL	40	24	33	72	74	34	45	69	103	101	97	20	218	930
	40	47		244		34	45	69	181					INTER-OFFICE

FILE:B:2MG-SM.PRN

TABLE 4BC-12-3 2MBIT DIMENSION TABLE IN SEMARANG JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
MGK	TUG	8.4	34	1		1	FO-155M(8C)
TUG	S2A	6.7	71	2	1	1	FO-140M
S2A	S2B	0	101	2			INTER-UNIT
S2A	S2C	0	97	2			INTER-UNIT
S2A	TD1	2.8	241	5	2	3	FO-620M
TD1	S1A	0	72	2			INTER-UNIT
TD1	S1B	0	74	2			INTER-UNIT
TD1	TRK	0	218	5			INTER-UNIT
TD1	G1A	5.1	47	1		1	FO-155M(8C)
G1A	G1B	0	33	1			INTER-UNIT
S2A	MJP	6.3	69	2	1	1	FO-140M
S2A	BYM	5.8	40	1		1	FO-155M(8C)
TOTAL			1,097	26	4	8	

FILE:B:CCT-SLO.PRN

TABLE 4BC-13-1 REQUIRED CIRCUIT MATRIX IN SOLO JUNCTION

	BAL	S1A	S1B	S1C	SL2	TRK	TOTAL
BAL	0	7	9	11	93	59	179
S1A	7	0	47	68	97	112	331
S1B	9	47	0	88	127	145	416
S1C	11	68	88	0	189	213	569
SL2	94	98	128	190	0	461	971
TRK	59	112	145	213	461	0	990
TOTAL	180	332	417	570	967	990	3,456

TABLE 4BC-13-2 REQUIRED 2MBIT MATRIX IN SOLO JUNCTION

	BAL	S1A	S1B	S1C	SL2	TRK	
BAL	0	1	1	1	7	4	
S1A	1	0	4	5	7	8	
S1B	1	4	0	6	9	10	
S1C	1	5	6	0	13	15	
SL2	7	7	9	13	0	31	
TRK	4	8	10	15	31	0	
TOTAL	14	25	30	40	67	68	244
	14	67			67		INTER-OFFICE

FILE:B:2MG-SLO.PRN
TABLE 4BC-13-3 2MBIT DIMENSION TABLE IN SOLO JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
BAL	S1A	5.3	14	1	1	0	
S1A	S1B	0	30	1			INTER-UNIT
S1A	S1C	0	40	1			INTER-UNIT
S1A	TRK	0	68	2			INTER-UNIT
S1A	SL2	5	67	2	1	1	FO-140M
TOTAL			219	7	2	1	

FILE:B:CCT-YK.PRN

TABLE 4BC-14-1 REQUIRED CIRCUIT MATRIX IN YOGYAKARTA JUNCTION

	KEN	KTA	KTB	PGR	TRK	TOTAL
KEN	0	32	95	41	59	227
KTA	7	0	205	13	112	337
KTB	35	628	0	89	145	897
PGR	36	70	224	0	213	543
TRK	59	112	145	213	0	529
TOTAL	137	842	669	356	529	2,533

TABLE 4BC-14-2 REQUIRED CIRCUIT MATRIX IN YOGYAKARTA JUNCTION

	KEN	KTA	KTB	PGR	TRK	TOTAL
KEN	0	2	5	3	4	14
KTA	2	0	28	3	8	41
KTB	5	28	0	11	10	54
PGR	3	3	11	0	15	32
TRK	4	8	10	15	0	37
TOTAL	14	41	54	32	37	178
	14	40		32		INTER-OFFICE

FILE:B:2MG-YK.PRN
TABLE 4BC-14-3 2MBIT DIMENSION TABLE IN YOGYAKARTA JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
KEN	KTA	5.7	14	1		1	FO-155M(8C)
KTA	KTB	0	54	2			INTER-UNIT
KTA	TRK	0	37	1			INTER-UNIT
KTA	PGR	5	32	1		1	FO-155M(8C)
TOTAL			137	5	0	2	

FILE:B:CCT-SB.PRN

FIGURE 4BC-15-1 REQUIRED CIRCUIT MATRIX IN SURABAYA JUNCTION

	GS	BME	DM1	DM2	IJK	KAL	KDA	KDB	KPA	KPB	KPL	KBA	KBB	KJR	MNR	MSA	MSB	MSC	MSD	RKA	RKB	RK2	TSA	TSB	PRK	WR1	WR2	SPJ	KRY	SDA	SDG	KTD	MTD	TTD	RTD	TRK	TOTAL
GS	0	0	53	43	0	0	8	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	62	0	0	0	0	0	0	0	0	0	742	0	535	1,549
BME	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	0	58	170
DM1	0	0	0	144	33	19	0	0	26	66	0	23	49	0	71	42	66	66	84	29	64	0	38	56	0	0	0	0	0	0	0	120	0	115	94	557	1,762
DM2	0	0	144	0	26	0	0	0	21	52	0	19	39	0	56	34	53	53	66	24	51	0	30	44	0	0	0	0	0	0	0	53	0	99	114	437	1,415
IJK	0	0	29	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	48	0	0	0	0	32	28	0	0	123	72	0	0	0	206	268	852
KAL	0	0	19	16	0	0	4	24	0	0	9	0	0	0	0	12	17	17	21	9	16	0	18	26	0	0	0	0	0	0	0	0	0	139	0	134	491
KDA	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	8	0	0	0	0	0	0	0	0	0	39	0	39	98
KDB	64	0	0	0	0	24	16	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	43	64	0	0	0	0	0	0	0	0	0	457	0	342	1,030
KPA	0	0	26	21	0	0	0	0	0	90	0	23	48	31	0	19	29	29	36	0	0	0	0	0	16	0	0	0	0	0	0	136	28	0	0	223	755
KPB	0	0	66	52	0	0	0	0	90	0	0	56	127	79	0	46	73	73	93	0	0	0	0	0	38	0	0	0	0	0	0	388	71	0	0	622	1,874
KPL	0	7	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	23	0	0	0	21	0	0	0	0	0	243	0	154	484
KBA	0	0	24	19	0	0	0	0	23	56	0	0	85	28	0	18	27	27	34	10	20	0	16	23	17	0	0	0	0	0	0	124	0	0	0	223	774
KBB	0	0	49	39	0	0	0	0	48	127	0	85	0	59	0	37	58	58	74	19	40	0	33	48	34	0	0	0	0	0	0	299	0	0	0	522	1,620
KJR	0	0	0	0	0	0	0	0	31	79	0	28	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	691	0	0	0	470	1,358
MNR	0	0	71	56	0	0	0	0	0	0	0	0	0	0	0	37	58	58	74	30	67	0	32	47	0	0	0	0	0	0	0	0	526	18	0	535	1,607
MSA	0	0	42	34	0	12	0	0	19	46	0	18	37	0	37	0	80	80	102	14	27	0	21	31	0	0	0	0	0	0	0	0	162	0	0	354	1,096
MSB	0	0	66	53	0	17	0	0	29	73	0	27	58	0	58	80	0	129	166	20	42	0	32	47	0	0	0	0	0	0	0	0	268	0	0	357	1,722
MSC	0	0	66	53	0	17	0	0	29	73	0	27	58	0	58	80	129	0	166	20	42	0	32	47	0	0	0	0	0	0	0	0	268	0	0	357	1,722
MSD	0	0	84	66	0	21	0	0	0	0	0	34	74	0	74	102	166	166	0	24	53	0	40	59	0	0	0	0	0	0	0	0	314	43	120	717	2,157
RKA	0	0	29	23	25	0	0	0	0	0	0	10	19	0	30	14	20	20	24	0	97	15	15	22	0	36	35	0	0	17	22	0	0	22	84	223	892
RKB	0	0	64	50	54	16	0	0	0	0	0	20	40	0	67	27	42	42	53	97	0	31	31	46	0	81	78	0	0	35	47	0	0	0	230	525	1,616
RK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	32	0	0	0	0	0	0	0	0	0	0	0	0	25	255	158	485
TSA	42	0	38	30	0	18	0	43	0	0	0	16	33	0	32	21	32	32	40	15	32	0	0	120	0	0	0	0	0	0	0	0	0	179	0	312	1,005
TSB	62	0	56	44	0	26	0	64	0	0	23	23	48	0	47	31	47	47	59	22	46	0	120	0	0	0	0	19	0	0	0	0	0	251	0	472	1,537
PRK	0	0	0	0	0	0	0	0	16	38	0	17	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	0	0	0	73	528
WR1	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	81	0	0	0	0	0	85	0	17	32	43	0	0	40	418	384	1,112
WR2	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	78	0	0	0	0	85	0	0	18	34	46	0	0	41	456	406	1,220
SPJ	0	0	0	0	0	0	0	18	0	17	21	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	8	0	162	69	140	454
KRY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	17	18	0	0	27	27	0	0	17	151	117	384
SDA	0	0	0	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	39	0	0	0	0	35	38	0	27	0	55	0	0	37	349	315	980
SDG	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	47	0	0	0	0	42	45	0	27	50	0	0	0	45	434	387	1,179
KTD	0	0	67	53	0	0	0	0	159	457	0	123	296	691	91	0	0	0	0	0	0	0	0	0	260	0	0	0	14	27	36	0	362	664	692	0	3,992
MTD	0	0	0	0	0	0	6	41	0	0	0	0	0	0	451	163	268	268	347	0	0	0	0	0	0	0	0	0	0	0	0	438	0	487	653	0	3,122
TTD	817	105	72	57	0	121	32	326	32	71	248	5	9	0	18	0	0	0	0	18	0	0	168	248	0	26	22	242	10	17	21	660	475	0	940	0	4,756
RTD	0	0	148	116	234	45	11	186	0	0	0	0	0	0	0	0	0	0	0	81	230	271	0	0	0	432	473	0	155	310	432	780	654	795	0	0	5,272
TRK	535	58	557	437	268	134	30	342	223	622	154	223	522	470	533	334	557	557	717	223	525	158	312	472	173	384	406	140	117	315	387	0	0	0	0	0	10,885
TOTAL	1,520	170	1,770	1,430	853	470	107	1,064	746	1,867	482	777	1,635	1,358	1,623	1,097	1,722	1,722	2,156	814	1,677	475	1,045	1,512	538	1,170	1,228	422	385	987	1,188	3,957	3,128	4,765	5,265	10,885	62,010

FILE:B:CCT-SB.PRN

FIGURE 4BC-15-2 REQUIRED ZMBIT MATRIX IN SURABAYA JUNCTION

	GS	BME	DM1	DM2	IJK	KAL	KDA	KDB	KPA	KPB	KPL	KBA	KBB	KJR	MNR	MSA	MSB	MSC	MSD	RKA	RKB	RK2	TSA	TSB	PRK	WR1	WR2	SPJ	KRY	SDA	SDG	KTD	MTD	TTD	RTD	TRK	
GS	0	0	2	2	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	0	0	0	0	0	0	52	0	36	
BME	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	4	
DM1	2	0	0	10	3	2	0	0	2	5	0	2	4	0	5	3	5	5	6	2	5	0	3	4	0	0	0	0	0	0	0	7	0	7	9	38	
DM2	2	0	10	0	2	1	0	0	2	4	0	2	3	0	4	3	4	4	5	2	4	0	2	3	0	0	0	0	0	0	0	4	0	6	8	30	
IJK	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	3	2	0	0	7	6	0	0	0	15	18	
KAL	0	0	2	1	0	0	1	2	0	0	1	0	0	0	0	1	2	2	2	1	2	0	2	2	0	0	0	0	0	0	0	0	0	9	2	9	
KDA	1	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	3	1	2	
KDB	5	0	0	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	0	1	0	0	0	0	2	27	4	23	
KPA	0	0	2	2	0	0	0	0	0	6	0	2	4	3	0	2	2	2	2	0	0	0	0	0	2	0	0	0	0	0	0	10	1	2	0	15	
KPB	0	0	5	4	0	0	0	0	6	0	0	4	9	6	0	4	5	5	4	0	0	0	0	0	3	0	0	1	0	0	0	29	3	3	0	42	
KPL	0	1	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	0	0	0	0	0	17	0	11	
KBA	0	0	2	2	0	0	0	0	2	4	0	0	6	2	0	2	2	2	3	1	2	0	2	2	2	0	0	0	0	0	0	9	0	1	0	15	
KBB	0	0	4	3	0	0	0	0	4	9	0	6	0	4	0	3	4	4	5	2	3	0	3	4	3	0	0	0	0	0	0	20	0	1	0	35	
KJR	0	0	0	0	0	0	0	0	3	6	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	32	
MNR	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	3	4	4	5	2	5	0	3	4	0	0	0	0	0	0	0	4	35	2	0	36	
MSA	0	0	3	3	0	1	0	0	2	4	0	2	3	0	3	0	6	6	7	1	2	0	2	3	0	0	0	0	0	0	0	11	0	0	0	25	
MSB	0	0	5	4	0	2	0	0	2	5	0	2	4	0	4	6	0	9	12	2	3	0	3	4	0	0	0	0	0	0	0	18	0	0	0	38	
MSC	0	0	5	4	0	2	0	0	2	5	0	2	4	0	4	6	9	0	12	2	3	0	3	4	0	0	0	0	0	0	0	18	0	0	0	38	
MSD	0	0	6	5	0	2	0	0	2	4	0	3	5	0	5	7	12	12	0	2	4	0	3	4	0	0	0	0	0	0	0	23	2	4	48		
RKA	0	0	2	2	2	1	0	0	0	0	0	1	2	0	2	1	2	2	2	0	7	1	1	2	0	3	3	0	1	2	2	0	9	2	6	15	
RKB	0	0	5	4	4	2	0	0	0	0	0	2	3	0	5	2	3	3	4	7	0	3	3	4	0	6	6	0	0	3	4	0	0	0	16	35	
RK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	18	11	
TSA	3	0	3	2	0	2	1	3	0	0	1	2	3	0	3	2	3	3	3	1	3	0	0	8	0	0	0	0	0	0	0	0	0	12	0	21	
TSB	5	0	4	3	0	2	1	5	0	0	2	2	4	0	4	3	4	4	4	2	4	0	8	0	0	0	0	2	0	0	0	0	0	17	0	32	
PRK	0	0	0	0	0	0	0	0	2	3	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	12	
WR1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	0	6	0	2	3	3	0	0	3	29	26	
WR2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	0	6	0	0	2	3	4	0	0	3	31	28
SPJ	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	14	3	10	
KRY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2	0	0	2	2	1	0	1	11	2	
SDA	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	3	3	0	2	0	4	1	0	2	22	21	
SDG	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	3	4	0	2	4	0	2	0	3	29	26	
KTD	0	0	7	4	0	0	0	0	10	29	0	9	20	47	4	0	0	0	0	0	0	0	0	0	18	0	0	1	1	1	2	0	27	45	50	0	
MTD	0	0	0	0	0	0	1	2	1	3	0	0	0	0	33	11	18	18	23	0	0	0	0	0	0	0	0	0	0	0	0	27	0	33	44	0	
TTD	52	7	7	6	0	9	3	27	2	3	17	1	1	0	2	0	0	0	2	2	0	1	12	17	0	3	3	14	1	2	3	45	55	0	58	0	
RTD	0	0	9	8	15	2	1	4	0	0	0	0	0	0	0	0	0	0	4	6	16	18	0	0	0	29	31	3	11	22	29	50	44	58	0	0	
TRK	36	4	38	30	18	9	2	23	15	42	11	15	35	32	36	23	38	38	48	15	35	11	21	32	12	26	28	10	8	21	26	0	0	0	0	0	
TOTAL	106	12	129	105	61	41	13	76	57	133	37	61	117	94	114	82	123	123	153	64	124	34	79	112	40	84	88	34	30	70	85	275	214	355	360	738	4401
	106	12	214		61	41	85		178		37	1021		94	114	451				490		34	450		40	84	88	34	30	70	85						INT-EX

FILE:B:2MG-SB.PRN

TABLE 4BC-15-3 2MBIT DIMENSIONING IN SURABAYA JUNCTION

SECTION		DISTANCE IN KM	NO. OF 2MBIT SB-1	SB-2	SB-3	SB-4	SB-5	TOTAL NO.OF 2M	NO.OF 140M REQUIRED	NO.OF 140M EXISTING	EXPANDED	REMARKS
PRK	KTD	3.2	0	2	8	0	30	40	1	2	0	
KTD	KBA	0	4	2	55	0	0	61	2			INTER-UNIT
KTD	KBB	0	7	4	106	0	0	117	3			INTER-UNIT
KTD	TRK	0	108	0	171	208	184	671	14			INTER-UNIT
KTD	GS	19.2	106	0	0	0	0	106	3	1	2	FO-140M
KTD	KPA	2.6	13	29	197	0	0	239	5	6	0	
KPA	KPB	0	9	6	118	0	0	133	3			INTER-UNIT
KPA	KJR	5.4	0	3	91	0	0	94	2	2	0	
KTD	MTD	4.9	97	16	80	109	202	504	10	14	0	
KTD	KRY	27.7	0	0	0	1	29	30	0	2G-34M	0	2G-34M
MTD	MSA	0	6	3	12	61	0	82	2			INTER-UNIT
MTD	MSB	0	9	4	15	95	0	123	3			INTER-UNIT
MTD	MSC	0	9	4	15	95	0	123	3			INTER-UNIT
MTD	MSD	0	11	4	17	121	0	153	3			INTER-UNIT
MTD	MNR	6.9	9	0	105	0	0	114	3	4	0	
MTD	DM1	3.7	141	3	46	159	204	553	11	14	0	
DM1	DM2	0	105	0	0	0	0	105	3			INTER-UNIT
DM1	TTD	6.9	90	13	27	114	168	412	9	8	1	FO-140M
TTD	TSA	0	8	6	9	15	73	111	3			INTER-UNIT
TTD	TSB	0	12	8	12	21	27	80	2			INTER-UNIT
TTD	KAL	7.3	83	24	42	100	180	429	9	6	3	FO-620M
TTD	KDA	7.3	6	54	0	0	0	60	2	1	1	FO-140M
KDA	KDB	0	5	48	0	0	0	53	2			INTER-UNIT
TTD	KPL	11.2	15	4	28	27	203	277	6	5	1	FO-140M
KPL	BME	10.7	12	0	0	0	0	12	1	1	0	
KPL	SPJ	3.7	4	1	7	27	203	242	5	4	1	FO-140M
DM1	RTD	5.9	31	10	19	71	218	349	7	9	0	
RTD	RKA	0	4	3	5	52	0	64	2			INTER-UNIT
RTD	RKB	0	9	6	10	99	0	124	3			INTER-UNIT
RTD	RK2	5	0	0	0	34	0	34	1	1	0	FO-140M(6C)
RTD	IJK	3.2	9	21	4	56	213	303	6	6	0	
IJK	WR1	4	4	18	4	56	213	295	6	5	1	FO-140M
WR1	WR2	5.1	0	2	0	9	77	88	2	2	0	
WR1	SDA	13.8	0	13	0	11	123	147	3	1	2	FO-140M
SDA	SDG	5	0	6	0	6	73	85	2	CABLE	2	FO-620M(8C)
KTD	KAL	8	80	9	42	100	180	411	9	6	3	FO-620M(16C)
SPJ	WR1	7	4	0	4	27	201	236	5	3	2	FO-620M
TOTAL								7,060	156	101	19	

FILE:B:CCT-ML.PRN

TABLE 4BC-16-1 REQUIRED CIRCUIT MATRIX IN MALANG JUNCTION

	BAT	BLB	BRG	GAD	KIJ	K1A	K1B	TRK	TOTAL
BAT	0	76	49	11	91	76	34	163	500
BLB	76	0	52	19	187	131	56	292	813
BRG	49	52	0	10	63	50	23	112	359
GAD	11	19	10	0	17	15	8	30	110
KIJ	91	187	63	17	0	155	66	341	920
K1A	76	131	50	15	155	0	283	479	1,189
K1B	34	56	23	8	66	283	0	260	730
TRK	163	292	112	30	341	479	260	0	1,677
TOTAL	500	813	359	110	920	1,189	730	1,677	6,298

TABLE 4BC-16-2 REQUIRED 2MBIT MATRIX IN MALANG JUNCTION

	BAT	BLB	BRG	GAD	KIJ	K1A	K1B	TRK	
BAT	0	6	4	1	7	6	3	11	
BLB	6	0	4	2	13	9	4	20	
BRG	4	4	0	1	5	4	2	8	
GAD	1	2	1	0	2	1	1	2	
KIJ	7	13	5	2	0	11	5	23	
K1A	6	9	4	1	11	0	19	32	
K1B	3	4	2	1	5	19	0	18	
TRK	11	20	8	2	23	32	18	0	
TOTAL	38	58	28	10	66	82	52	114	448
	38	58	28	10	66	110			INTER-OFFICE

FILE:B:2MG-ML.PRN

TABLE 4BC-16-3 2MBIT DIMENSION TABLE IN MALANG JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
BAT	K1A	10	38	1		1	11G-155M
K1A	K1B	0	52	2			INTER-UNIT
K1A	TRK	0	114	3			INTER-UNIT
K1A	KIJ	3.5	66	2	1	1	FO-140M
K1A	BLB	3.3	58	2	1	1	FO-140M
K1A	GAD	5.4	10	1	2	0	
K1A	BRG	9.6	28	1	1	0	
TOTAL			366	12	5	3	

FILE:B:CCT-DPR.PRN

TABLE 4BC-17-1 REQUIRED CIRCUIT MATRIX IN DENPASAR JUNCTION

	B1A	B1B	K1A	K1B	KTA	NSD	SNR	TIM	UBG	TD1	TRK	TOTAL
B1A	0	200	12	6	16	10	7	13	14	0	130	408
B1B	200	0	80	25	130	62	29	96	111	87	535	1,355
K1A	12	80	0	142	59	23	24	39	46	58	251	734
K1B	6	25	142	0	18	15	11	22	25	24	130	418
KTA	16	153	62	19	0	78	21	96	85	71	182	783
NSD	10	61	22	15	79	0	21	47	57	60	339	711
SNR	7	28	23	11	22	21	0	17	17	36	78	260
TIM	13	95	38	22	98	47	17	0	72	73	250	725
UBG	14	110	45	25	87	57	17	72	0	75	268	770
TD1	0	75	59	23	85	59	35	72	74	0	0	482
TRK	130	535	251	130	182	339	78	250	268	0	0	2,163
TOTAL	408	1,362	734	418	776	711	260	724	769	484	2,163	8,809

TABLE 4BC-17-2 REQUIRED 2MBIT MATRIX IN DENPASAR JUNCTION

	B1A	B1B	K1A	K1B	KTA	NSD	SNR	TIM	UBG	TD1	TRK	
B1A	0	14	1	1	2	1	1	1	1	0	9	
B1B	14	0	6	2	10	5	2	7	8	6	36	
K1A	1	6	0	10	5	2	2	3	4	4	17	
K1B	1	2	10	0	2	1	1	2	2	2	9	
KTA	2	10	5	2	0	6	2	7	6	6	13	
NSD	1	5	2	1	6	0	2	4	4	4	23	
SNR	1	2	2	1	2	2	0	2	2	3	6	
TIM	1	7	3	2	7	4	2	0	5	5	17	
UBG	1	8	4	2	6	4	2	5	0	5	18	
TD1	0	6	4	2	6	4	3	5	5	0	0	
TRK	9	36	17	9	13	23	6	17	18	0	0	
TOTAL	31	96	54	32	59	52	23	53	55	35	148	638
	99		185		59	52	23	53	55			INTER-OFFICE

FILE:B:2MG-DPR.PRN

TABLE 4BC-17-3 2MBIT DIMENSION TABLE IN DENPASAR JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
UBG	TD1	5	55	2	1	1	FO-140M
TD1	K1A	0	54	2			INTER-UNIT
TD1	K1B	0	32	1			INTER-UNIT
TD1	TRK	0	148	3			INTER-UNIT
TD1	KTA	12.2	97	2	1	1	FO-140M
KTA	NSD	12.3	44	1	1	0	
TD1	B1A	5	99	2		2	FO-620M(8C)
B1A	B1B	0	96	2			INTER-UNIT
TD1	SNR	8	23	1		1	FO-155M(8C)
TD1	TIM	5.5	53	2	1	1	FO-140M
TD1	NSD	10	8	1	2G-34M		2G-34M
TOTAL			709	19	4	6	

FILE:B:CCT-UP.PRN

TABLE 4BC-18-1 REQUIRED CIRCUIT MATRIX IN UJ.PANDANG JUNCTION

	U1A	U1B	U1C	MAN	M1A	M1B	PNK	S1A	S1B	TD1	TRK	TOTAL
U1A	0	167	75	15	18	4	26	2	11	0	149	467
U1B	167	0	261	42	52	8	81	3	28	0	357	999
U1C	75	261	0	21	26	5	38	2	15	0	223	666
MAN	15	42	21	0	94	12	214	4	70	50	259	781
M1A	18	53	26	94	0	363	159	4	80	44	499	1,340
M1B	4	8	5	12	363	0	19	2	10	0	223	646
PNK	26	81	38	214	159	19	0	4	88	84	409	1,122
S1A	2	3	2	4	4	2	4	0	38	0	23	82
S1B	11	28	15	70	80	10	88	38	0	34	166	540
TD1	0	0	0	50	44	0	83	0	34	0	0	211
TRK	149	357	223	259	499	223	409	23	166	0	0	2,308
TOTAL	467	1,000	666	781	1,339	646	1,121	82	540	212	2,308	9,162

TABLE 4BC-18-2 REQUIRED 2MBIT MATRIX IN UJ.PANDANG JUNCTION

	U1A	U1B	U1C	MAN	M1A	M1B	PNK	S1A	S1B	TD1	TRK	
U1A	0	12	5	1	2	1	2	1	1	0	10	
U1B	12	0	18	3	4	1	6	1	2	0	24	
U1C	5	18	0	2	2	1	3	1	1	0	15	
MAN	1	3	2	0	7	1	15	1	5	4	18	
M1A	2	4	2	7	0	25	11	1	6	3	34	
M1B	1	1	1	1	25	0	2	1	1	0	15	
PNK	2	6	3	15	11	2	0	1	6	6	28	
S1A	1	1	1	1	1	1	1	0	3	0	2	
S1B	1	2	1	5	6	1	6	3	0	3	12	
TD1	0	0	0	4	3	0	6	0	3	0	0	
TRK	10	24	15	18	34	15	28	2	12	0	0	
TOTAL	35	71	48	57	95	48	80	12	40	16	158	660
	160			57	93		80	46				INTER-OFFICE

FILE:B:2MG-UP.PRN

TABLE 4BC-18-3 2MBIT DIMENSION TABLE IN UJ. PANDANG JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	140MBIT	NO.OF 140MBIT EXISTING	EXPANDED	REMARKS
TD1	U1A	0	35	1			INTER-UNIT
TD1	U1B	0	71	2			INTER-UNIT
TD1	U1C	0	48	1			INTER-UNIT
TD1	TRK	0	158	4			INTER-UNIT
TD1	M1A	3.3	87	2	2	0	
M1A	M1B	0	48	1			INTER-UNIT
M1A	S1A	5	54	2	2	0	
S1A	S1B	0	40	1			INTER-UNIT
S1A	PNK	6.6	34	1	1	0	
TD1	PNK	4.7	74	2	2	0	
TD1	MAN	12.7	57	2	2G-34M	2	11G-155M
TOTAL			706	19	7	2	

FILE:B:CCT-AB.PRN

TABLE 4BC-19-1 REQUIRED CIRCUIT MATRIX IN AMBON JUNCTION

	C1A	C1B	PAS	POK	TRK	TOTAL
C1A	0	113	6	6	72	197
C1B	123	0	40	43	286	492
PAS	6	38	0	39	42	125
POK	6	41	39	0	44	130
TRK	72	286	42	44	0	444
TOTAL	207	478	127	132	444	1,388

TABLE 4BC-19-2 REQUIRED 2MBIT MATRIX IN AMBON JUNCTION

	C1A	C1B	PAS	POK	TRK	
C1A	0	8	1	1	5	
C1B	8	0	3	3	20	
PAS	1	3	0	3	3	
POK	1	3	3	0	3	
TRK	5	20	3	3	0	
TOTAL	15	34	10	10	31	100
	14		10	10		INTER-OFFICE

FILE:B:2MG-AB.PRN
TABLE 4BC-19-3 2MBIT DIMENSION TABLE IN AMBON JUNCTION

SECTION		DISTANCE IN KM	REQUIRED NO.OF 2MBIT	34MBIT	NO.OF 34MBIT EXISTING	EXPANDED	REMARKS
C1A	POK	7.4	10	1	1	0	
C1A	PAS	8	10	1		1	2G-34M
C1A	C1B	0	34	3			INTER-UNIT
C1A	TRK	0	31	3			INTER-UNIT
TOTAL		15.4	85	8	1	1	

FILE:B:2MD-JKT.PR

TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (1/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JT2	CW	1	8	75	0																							
JT2	PSR	1	13.8	47	1	CW																						
JT2	GAN	1	17.9	49	2	CW	PSR																					
JT2	CSL	1	25.5	9	3	CW	PSR	GAN																				
JT2	PDG	1	21.9	30	2	CW	PSR																					
JT2	KLD	1	5.1	36	0																							
JT2	PDK	1	12.1	49	1	KLD																						
JT2	BEK	1	24.8	57	2	KLD	PDK																					
JT2	BKS	1	31.5	39	3	KLD	PDK	BEK																				
JT2	BGG	1	40.7	22	4	KLD	PDK	BEK	BKS																			
JT2	CLS	1	45.5	39	5	KLD	PDK	BEK	BKS	BGG																		
JT2	GPI	1	57.8	20	6	KLD	PDK	BEK	BKS	BGG	CLS																	
JT2	BKB	1	29	38	3	KLD	PDK	BEK																				
JT2	CIK	1	40.7	52	3	KLD	PDK	BEK																				
JT2	TB	1	5	94	0																							
JT2	CPP	1	9.3	32	0																							
JT2	CPP	2	14.9	32	1	GB1																						
JT2	RMG	1	44	77	5	KLD	PDK	BEK	BKB	PGG																		
JT2	PGG	1	39.5	47	4	KLD	PDK	BEK	BKB																			
JT2	KGD	1	14.3	14	1	CPP																						
JT2	TPR	1	54.8	55	6	KLD	PDK	BEK	BKB	PGG	CIL																	
JT2	CIL	1	49	59	5	KLD	PDK	BEK	BKB	PGG																		
JT2	GB1	1	8.6	213	0																							
JT2	GB1	2	15.6	212	1	CPP																						
JT2	GB2	1	5.9	82	0																							
JT2	GB2	2	12.5	82	1	GB1																						
JT2	SM2	1	15.3	123	1	GB1																						
JT2	SM2	2	17.8	123	1	KB																						
JT2	SM1	1	20.1	38	2	KB	SM2																					
JT2	KT2	1	16.1	35	1	CPP																						
JT2	KT2	2	13.6	32	1	GB1																						
JT2	KT1	1	44	15	5	GB1	SLP	CKG	TGA	PLT																		
JT2	PLT	1	39.6	15	4	GB1	SLP	CKG	TGA																			
JT2	ANC	1	51.2	10	6	GB1	SLP	CKG	TGA	PLT	KT1																	
JT2	KT3	1	19.1	22	2	CPP	KT2																					
JT2	KB	1	16.9	34	1	GB1																						
JT2	KB	2	12.3	32	0																							
JT2	CPE	1	85.1	36	7	GB1	SLP	CKG	TAN	BSD	SER	CPA																
JT2	CPA	1	75.8	17	6	GB1	SLP	CKG	TAN	BSD	SER																	
JT2	SER	1	63.1	8	5	GB1	SLP	CKG	TAN	BSD																		
JT2	BSD	1	56.5	9	4	GB1	SLP	CKG	TAN																			
JT2	CNE	1	90.1	14	8	GB1	SLP	CKG	TAN	BSD	SER	CPA	CPE															
JT2	KBB	1	20.4	14	1	KB																						
JT2	CDG	1	27.8	9	2	KB	KBB																					
JT2	KA1	1	62.1	72	8	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM															
JT2	PSM	1	57.2	50	7	CW	PSR	GAN	CSL	DP2	DP1	JAG																
JT2	JAG	1	49.1	51	6	CW	PSR	GAN	CSL	DP2	DP1																	

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (2/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
JT2	DP1	1	39.6	56	5	CW	PSR	GAN	CSL	DP2																		
JT2	DP2	1	33.4	51	4	CW	PSR	GAN	CSL																			
JT2	CIB	1	67.6	44	7	KLD	PDK	BEK	BKS	BGG	CLS	GPI																
JT2	KA2	1	17.3	13	1	KB																						
JT2	SLP	1	15.6	25	1	GB1																						
JT2	SLP	2	26.2	24	2	KB	SM2																					
JT2	PLM	1	21.9	14	2	GB1	SLP																					
JT2	PLM	2	32.5	14	3	KB	SM2	SLP																				
JT2	MER	1	25.5	11	3	GB1	SLP	PLM																				
JT2	MER	2	36.1	0	4	KB	SM2	SLP	PLM																			
JT2	KED	1	22.6	14	2	GB1	SLP																					
JT2	KED	2	33.2	0	3	KB	SM2	SLP																				
JT2	CKG	1	25.6	14	2	GB1	SLP																					
JT2	CKG	2	46.3	14	6	CPP	KT2	ANC	KT1	PLT	TGA																	
JT2	TGA	1	30.1	12	3	GB1	SLP	CKG																				
JT2	TGA	2	41.8	12	5	CPP	KT2	ANC	KT1	PLT																		
JT2	JIA	1	38.6	7	3	GB1	SLP	CKG																				
JT2	TAN	1	38.2	12	3	GB1	SLP	CKG																				
JT2	TAN	2	66.9	0	5	KB	CPE	CPA	SER	BSD																		
JT2	TGS	1	64.1	6	5	GB1	SLP	CKG	TAN	CKP																		
JT2	STR	1	26.4	6	2	CPP	KT2																					
JT2	PGB	1	44.5	36	5	KLD	PDK	BEK	BKB	PGG																		
JT2	RSS	1	25.1	32	3	KB	SM2	SM1																				
JT2	CBB	1	22.9	11	3	CW	PSR	GAN																				
JT2	KRG	1	26.9	24	3	CW	PSR	PDG																				
CW	T8	1	13	12	1	JT2																						
CW	CPP	1	76.5	19	10	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1													
CW	RMG	1	83.4	10	11	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1	CPP												
CW	TPR	1	86.4	7	11	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1	CPP												
CW	GB1	1	70.2	15	9	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB														
CW	GB1	2	16.6	12	1	JT2																						
CW	GB2	1	13.9	22	1	JT2																						
CW	SM2	1	25.8	14	2	JT2	KB																					
CW	SM2	2	67.4	0	9	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB														
CW	SM1	1	28.1	14	3	JT2	KB	SM2																				
CW	KT2	1	75.2	15	10	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1													
CW	KT3	1	27.1	7	3	JT2	CPP	KT2																				
CW	KB	1	61.9	74	8	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1															
CW	KB	2	20.3	0	1	JT2																						
CW	CPE	1	93.1	13	8	JT2	GB1	SLP	CKG	TAN	BSD	SER	CPA															
CW	CPE	2	69.6	0	9	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB														
CW	KA1	1	54.1	11	7	PSR	GAN	CSL	DP2	DP1	JAG	PSM																
CW	KA1	2	28.1	0	2	JT2	KB																					
CW	SLP	1	23.6	18	2	JT2	GB1																					
CW	SLP	2	75.8	8	10	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	SM2													
CW	PLM	1	29.9	9	3	JT2	GB1	SLP																				
CW	PLM	2	82.1	0	11	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	SM2	SLP												

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (3/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
CW	CKG	1	38.7	11	4	JT2	GB1	KT2	SLP																			
CW	TGA	1	43.2	7	5	JT2	GB1	KT2	SLP	CKG																		
CW	RSS	1	33.1	10	4	JT2	KB	SM2	SM1																			
PSR	CPP	1	70.7	7	9	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1														
PSR	GB1	1	64.4	12	8	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB															
PSR	GB1	2	22.4	8	2	CW	JT2																					
PSR	GB2	1	19.7	10	2	CW	JT2																					
PSR	KT2	1	69.4	8	9	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1														
PSR	KB	1	56.1	49	7	GAN	CSL	DP2	DP1	JAG	PSM	KA1																
PSR	KB	2	26.1	0	2	CW	JT2																					
PSR	SLP	1	29.4	9	3	CW	JT2	GB1																				
GAN	CPP	1	66.6	8	8	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1															
GAN	GB1	1	60.3	12	7	CSL	DP2	DP1	JAG	PSM	KA1	KB																
GAN	GB1	2	26.5	12	3	PSR	CW	JT2																				
GAN	GB2	1	64.2	13	8	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1															
GAN	KT2	1	65.3	9	8	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1															
GAN	KB	1	30.2	0	3	PSR	CW	JT2																				
GAN	KB	2	52	50	6	CSL	DP2	DP1	JAG	PSM	KA1																	
GAN	CPE	1	103	8	10	PSR	CW	JT2	GB1	SLP	CKG	TAN	BSD	SER	CPA													
GAN	SLP	1	33.5	9	4	PSR	CW	JT2	GB1																			
GAN	SLP	2	44.1	0	5	PSR	CW	JT2	KB	SM2																		
CSL	KB	1	44.4	9	5	DP2	DP1	JAG	PSM	KA1																		
CSL	KB	2	37.8	0	4	GAN	PSR	CW	JT2	BGG	CLS																	
PDG	CPP	1	78.8	4	10	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1													
PDG	CPP	2	31.2	0	3	PSR	CW	JT2																				
PDG	GB1	1	72.5	4	9	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB														
PDG	KT2	1	77.5	4	10	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	GB1													
PDG	KB	1	64.2	29	8	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1															
PDG	KB	2	34.2	0	3	PSR	CW	JT2	BKB	PGG																		
PDG	SLP	1	37.5	5	4	PSR	CW	JT2	GB1																			
PDG	SLP	2	78.1	0	10	PSR	GAN	CSL	DP2	DP1	JAG	PSM	KA1	KB	SM2													
KLD	CPP	1	59.6	31	6	PDK	BEK	BKB	PGG	CIL	TPR																	
KLD	CPP	2	14.4	0	1	JT2																						
KLD	GB1	1	65.9	9	7	PDK	BEK	BKB	PGG	CIL	TPR	CPP																
KLD	GB2	1	69.8	8	8	PDK	BEK	BKB	PGG	CIL	TPR	CPP	GB1															
KLD	KT2	1	66.4	5	7	PDK	BEK	BKB	PGG	CIL	TPR	CPP																
KLD	KT2	2	18.7	0	2	JT2	GB1																					
KLD	KB	1	74.2	9	8	PDK	BEK	BKB	PGG	CIL	TPR	CPP	GB1															
KLD	KB	2	17.4	0	1	JT2																						
KLD	SLP	1	20.7	5	2	JT2	GB1																					
KLD	SLP	2	73.5	0	8	PDK	BEK	BKB	PGG	CIL	TPR	CPP	KT2															
PDK	CPP	1	52.6	44	5	BEK	BKB	PGG	CIL	TPR																		
PDK	CPP	2	21.4	0	2	KLD	JT2																					
PDK	GB1	1	58.9	21	6	BEK	BKB	PGG	CIL	TPR	CPP																	
PDK	GB2	1	62.8	11	7	BEK	BKB	PGG	CIL	TPR	CPP	GB1																
PDK	KT2	1	59.4	8	6	BEK	BKB	PGG	CIL	TPR	CPP																	
PDK	KT2	2	25.7	0	3	KLD	JT2	GB1																				

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (4/19)

SECTION	ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PDK KB	1	67.2	14	7	BEK	BKB	PGG	CIL	TPR	CPP	GB1																
PDK KB	2	24.4	0	2	KLD	JT2																					
PDK SLP	1	27.7	9	3	KLD	JT2	GB1																				
PDK SLP	2	66.5	0	7	BEK	BKB	PGG	CIL	TPR	CPP	KT2																
BEK CPP	1	34.1	0	3	PDK	KLD	JT2																				
BEK CPP	2	39.9	52	4	BKB	PGG	CIL	TPR																			
BEK GB1	1	33.4	12	3	PDK	KLD	JT2																				
BEK GB1	2	46.2	14	5	BKB	PGG	CIL	TPR	CPP																		
BEK GB2	1	50.1	13	6	BKB	PGG	CIL	TPR	CPP	GB1																	
BEK SM1	1	44.9	8	5	PDK	KLD	JT2	KB	SM2																		
BEK KT2	1	46.7	9	5	BKB	PGG	CIL	TPR	CPP																		
BEK KB	1	37.1	0	3	PDK	KLD	JT2																				
BEK KB	2	54.5	16	6	BKB	PGG	CIL	TPR	CPP	GB1																	
BEK SLP	1	40.4	10	4	PDK	KLD	JT2	GB1																			
BEK CKG	2	50.4	8	5	PDK	KLD	JT2	GB1	SLP																		
BKS CPP	2	104.7	6	11	BGG	CLS	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB	JT2												
BKS GB1	1	91.4	11	10	BGG	CLS	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB													
BKS KT2	1	96.4	6	11	BGG	CLS	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB	GB1												
BKS KB	1	83.1	36	9	BGG	CLS	GPI	CIB	DP2	DP1	JAG	PSM	KA1														
BKS KB	2	43.8	0	4	BEK	PDK	KLD	JT2																			
BKS SLP	1	47.1	6	5	BEK	PDK	KLD	JT2	GB1																		
BKS SLP	2	97	0	11	BGG	CLS	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB	SM2												
BGG KB	1	73.9	22	8	CLS	GPI	CIB	DP2	DP1	JAG	PSM	KA1															
CLS CPP	1	83.7	7	9	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB	GB1														
CLS GB1	1	77.4	13	8	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB															
CLS KT2	1	82.4	7	9	GPI	CIB	DP2	DP1	JAG	PSM	KA1	KB	GB1														
CLS KB	1	69.1	38	7	GPI	CIB	DP2	DP1	JAG	PSM	KA1																
CLS SLP	1	61.1	7	7	BGG	BKS	BEK	PDK	KLD	JT2	GB1																
GPI KB	1	56.8	20	6	CIB	DP2	DP1	JAG	PSM	KA1																	
BKB CPP	1	35.7	33	3	PGG	CIL	TPR																				
BKB GB1	1	42	10	4	PGG	CIL	TPR	CPP																			
BKB GB2	1	45.9	9	5	PGG	CIL	TPR	CPP	GB1																		
BKB KT2	1	42.5	6	4	PGG	CIL	TPR	CPP																			
BKB KB	1	50.3	10	5	PGG	CIL	TPR	CPP	GB1																		
BKB SLP	1	44.6	6	5	BEK	PDK	KLD	JT2	GB1																		
CIK CPP	1	55.8	48	5	BEK	BKB	PGG	CIL	TPR																		
CIK CPP	2	50	0	4	BEK	PDK	KLD	JT2																			
CIK GB1	1	62.1	27	6	BEK	BKB	PGG	CIL	TPR	CPP																	
CIK GB2	1	66	16	7	BEK	BKB	PGG	CIL	TPR	CPP	GB1																
CIK SM2	1	58.5	11	5	BEK	PDK	KLD	JT2	KB																		
CIK SM1	1	60.8	10	6	BEK	PDK	KLD	JT2	KB	SM2																	
CIK KT2	1	62.6	11	6	BEK	BKB	PGG	CIL	TPR	CPP																	
CIK KB	1	70.4	23	7	BEK	BKB	PGG	CIL	TPR	CPP	GB1																
CIK KB	2	53	0	4	BEK	PDK	KLD	JT2																			
CIK CPE	1	78.1	10	8	BEK	BKB	PGG	CIL	TPR	CPP	GB1	KB															
CIK CPE	2	68.7	0	5	BEK	PDK	KLD	JT2	KB																		
CIK SLP	1	56.3	10	5	BEK	PDK	KLD	JT2	GB1																		

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (5/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
CIK	CKG	1	66.3	10	6	BEK	PDK	KLD	JT2	GB1	SLP																	
TB	CPP	1	14.3	24	1	JT2																						
TB	CPP	2	19.9	0	2	JT2	GB1																					
TB	RMG	1	21.2	14	2	JT2	CPP																					
TB	KGD	1	19.3	10	2	JT2	CPP																					
TB	TPR	1	24.2	10	2	JT2	CPP																					
TB	CIL	1	30	9	3	JT2	CPP	TPR																				
TB	CIL	2	54	0	6	JT2	KLD	PDK	BEK	BKB	PGG																	
TB	GB1	1	13.6	92	1	JT2																						
TB	GB2	1	10.9	39	1	JT2																						
TB	SM2	1	20.3	16	2	JT2	GB1																					
TB	SM2	2	22.8	18	2	JT2	KB																					
TB	SM1	1	22.6	0	3	JT2	GB1	SM2																				
TB	SM1	2	25.1	23	3	JT2	KB	SM2																				
TB	KT2	1	21.1	19	2	JT2	CPP																					
TB	KT2	2	18.6	0	2	JT2	GB1																					
TB	PLT	1	37.3	8	5	JT2	CPP	KT2	ANC	KT1																		
TB	PLT	2	55.2	0	6	JT2	KB	SM2	SLP	CKG	TGA																	
TB	KT3	1	24.1	11	3	JT2	CPP	KT2																				
TB	KT3	2	41.3	0	5	JT2	KB	SM2	SLP	KT2																		
TB	KB	1	21.9	0	2	JT2	GB1																					
TB	KB	2	17.3	37	1	JT2																						
TB	CPE	2	25	18	2	JT2	KB																					
TB	KA1	2	25.1	14	2	JT2	KB																					
TB	KA2	2	22.3	8	2	JT2	KB																					
TB	SLP	1	20.6	13	2	JT2	GB1																					
TB	SLP	2	31.2	12	3	JT2	KB	SM2																				
TB	PLM	1	26.9	15	3	JT2	GB1	SLP																				
TB	PLM	2	37.5	0	4	JT2	KB	SM2	SLP																			
TB	CKG	1	30.6	15	3	JT2	GB1	SLP																				
TB	CKG	2	41.2	0	4	JT2	KB	SM2	SLP																			
TB	TGA	1	46.8	0	6	JT2	CPP	KT2	ANC	KT1	PLT																	
TB	TGA	2	35.1	10	4	JT2	GB1	SLP	CKG																			
CPP	RMG	1	29.7	73	3	TPR	CIL	PGG																				
CPP	PGG	1	25.2	43	2	TPR	CIL																					
CPP	KGD	1	5	54	0																							
CPP	KGP	1	5	13	0																							
CPP	TPR	1	9.9	52	0																							
CPP	CIL	1	15.7	53	1	TPR																						
CPP	GB1	1	6.3	71	0																							
CPP	GB1	2	17.9	71	1	JT2																						
CPP	GB2	1	10.2	60	1	GB1																						
CPP	GB2	2	15.2	0	1	JT2																						
CPP	SM2	1	13	52	1	GB1																						
CPP	SM2	2	22.3	51	2	KT2	SLP																					
CPP	SM1	1	15.3	31	2	GB1	SM2																					
CPP	SM1	2	24.6	0	3	KT2	SLP	SM2																				

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (6/19)

SECTION	ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
CPP KT2	1	6.8	74	0																							
CPP KT2	2	11.3	75	1	GB1																						
CPP KT1	1	18.6	10	2	KT2	ANC																					
CPP KT1	2	41.7	9	5	GB1	SLP	CKG	TGA	PLT																		
CPP PLT	1	23	10	3	KT2	ANC	KT1																				
CPP PLT	2	37.3	9	4	GB1	SLP	CKG	TGA																			
CPP ANC	1	11.4	14	1	KT2																						
CPP ANC	2	48.9	0	6	GB1	SLP	CKG	TGA	PLT	KT1																	
CPP KT3	1	9.8	67	1	KT2																						
CPP KT3	2	14.3	0	2	GB1	KT2																					
CPP KB	1	14.6	25	1	GB1																						
CPP KB	2	21.6	25	1	JT2																						
CPP CPE	1	29.3	28	2	JT2	KB																					
CPP CPE	2	83.4	0	7	KT2	SLP	CKG	TAN	BSD	SER	CPA																
CPP CPA	1	38.6	10	3	JT2	KB	CPE																				
CPP CPA	2	74.1	0	6	KT2	SLP	CKG	TAN	BSD	SER																	
CPP SER	1	51.3	4	4	JT2	KB	CPE	CPA																			
CPP SER	2	61.4	0	5	KT2	SLP	CKG	TAN	BSD																		
CPP BSD	1	57.9	5	5	JT2	KB	CPE	CPA	SER																		
CPP BSD	2	54.8	0	4	KT2	SLP	CKG	TAN																			
CPP CNE	1	34.3	8	3	JT2	KB	CPE																				
CPP CNE	2	88.4	0	8	KT2	SLP	CKG	TAN	BSD	SER	CPA	CPE															
CPP KBB	1	29.7	9	2	JT2	KB																					
CPP KBB	2	22.7	0	2	GB1	KB																					
CPP CDG	1	37.1	6	3	JT2	KB	KBB																				
CPP CDG	2	30.1	0	3	GB1	KB	KBB																				
CPP KA1	1	22.4	19	2	GB1	KB																					
CPP KA1	2	71.4	0	9	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM														
CPP PSM	1	27.3	8	3	GB1	KB	KA1																				
CPP PSM	2	66.5	0	8	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG															
CPP JAG	1	35.4	9	4	GB1	KB	KA1	PSM																			
CPP JAG	2	58.4	0	7	JT2	CW	PSR	GAN	CSL	DP2	DP1																
CPP DP1	1	44.9	9	5	GB1	KB	KA1	PSM	JAG																		
CPP DP1	2	48.9	0	6	JT2	CW	PSR	GAN	CSL	DP2																	
CPP DP2	1	51.1	7	6	GB1	KB	KA1	PSM	JAG	DP1																	
CPP DP2	2	42.7	0	5	JT2	CW	PSR	GAN	CSL																		
CPP CIB	1	68.6	6	7	JT2	KB	KA1	PSM	JAG	DP1	DP2																
CPP CIB	2	82.7	0	9	TPR	CIL	PGG	BKB	BEK	BKS	BGG	CLS	GPI														
CPP KA2	1	26.6	10	2	JT2	KB																					
CPP KA2	2	32.8	0	4	KT2	SLP	SM2	KB																			
CPP SLP	1	35.5	20	3	JT2	KB	SM2																				
CPP SLP	2	13.9	24	1	KT2																						
CPP PLM	1	41.8	0	4	JT2	KB	SM2	SLP																			
CPP PLM	2	20.2	24	2	KT2	SLP																					
CPP MER	1	45.4	0	5	JT2	KB	SM2	SLP	PLM																		
CPP MER	2	23.8	8	3	KT2	SLP	PLM																				
CPP KED	1	42.5	0	4	JT2	KB	SM2	SLP																			

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (7/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
CPP	KED	2	20.9	12	2	KT2	SLP																					
CPP	CKG	1	23.3	0	2	GB1	SLP																					
CPP	CKG	2	37	24	5	KT2	ANC	KT1	PLT	TGA																		
CPP	TGA	1	27.8	0	3	GB1	SLP	CKG																				
CPP	TGA	2	32.5	18	4	KT2	ANC	KT1	PLT																			
CPP	JIA	1	36.3	0	3	GB1	SLP	CKG																				
CPP	JIA	2	50	6	6	KT2	ANC	KT1	PLT	TGA	CKG																	
CPP	TAN	1	76.2	9	6	JT2	KB	CPE	CPA	SER	BSD																	
CPP	TAN	2	36.5	0	3	KT2	SLP	CKG																				
CPP	TGS	1	75.5	3	8	KT2	ANC	KT1	PLT	TGA	CKG	TAN	CKP															
CPP	STR	2	17.1	4	1	KT2																						
CPP	PGB	1	30.2	34	3	TPR	CIL	PGG																				
CPP	RSS	1	34.4	21	4	JT2	KB	SM2	SM1																			
CPP	RSS	2	29.6	0	4	KT2	SLP	SM2	SM1																			
RMG	KGD	1	34.7	16	4	PGG	CIL	TPR	CPP																			
RMG	TPR	1	19.8	15	2	PGG	CIL																					
RMG	CIL	1	14	14	1	PGG																						
RMG	GB1	1	36	22	4	PGG	CIL	TPR	CPP																			
RMG	GB1	2	13.2	20	1	CPP																						
RMG	GB2	1	22.1	16	2	CPP	JT2																					
RMG	GB2	2	19.7	21	3	PGG	CPP	GB1																				
RMG	SM2	1	29.2	11	3	CPP	KT2	SLP																				
RMG	SM2	2	61.8	10	7	PGG	BKB	BEK	PDK	KLD	JT2	KB																
RMG	SM1	1	31.5	10	4	CPP	KT2	SLP	SM2																			
RMG	SM1	2	64.1	9	8	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2															
RMG	KT2	1	13.7	12	1	CPP																						
RMG	KT2	2	57.6	12	7	PGG	BKB	BEK	PDK	KLD	JT2	GB1																
RMG	KT3	1	16.7	13	2	CPP	KT2																					
RMG	KB	1	21.5	17	2	CPP	GB1																					
RMG	KB	2	56.3	16	6	PGG	BKB	BEK	PDK	KLD	JT2																	
RMG	CPE	1	36.2	15	3	CPP	JT2	KB																				
RMG	KA1	1	36.3	11	3	CPP	JT2	KB																				
RMG	SLP	1	42.4	13	4	CPP	JT2	KB	SM2																			
RMG	SLP	2	20.8	13	2	CPP	KT2				JT2	KB	SM2	JAG	PSM	KA1	KB											
RMG	PLM	1	27.1	12	3	CPP	KT2	SLP																				
RMG	PLM	2	76.5	0	9	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SLP														
RMG	CKG	1	43.9	16	6	CPP	KT2	ANC	KT1	PLT	TGA																	
RMG	CKG	2	80.2	0	9	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SLP														
RMG	TGA	1	39.4	10	5	CPP	KT2	ANC	KT1	PLT																		
RMG	TGA	2	84.7	0	10	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SLP	CKG													
PGG	GB1	1	31.5	13	3	CIL	TPR	CPP																				
PGG	GB1	2	48.1	13	5	BKB	BEK	PDK	KLD	JT2																		
PGG	GB2	1	35.4	13	4	CIL	TPR	CPP	GB1																			
PGG	GB2	2	45.4	0	5	BKB	BEK	PDK	KLD	JT2																		
PGG	KT2	1	32	10	3	CIL	TPR	CPP																				
PGG	KT2	2	53.1	0	6	BKB	BEK	PDK	KLD	JT2	GB1																	
PGG	KB	1	39.8	13	4	CIL	TPR	CPP	GB1																			

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (8/19)

SECTION	ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PGG KB	2	51.8	0	5	BKB	BEK	PDK	KLD	JT2																		
PGG SLP	1	65.7	9	7	BKB	BEK	PDK	KLD	JT2	KB	SM2																
PGG SLP	2	39.1	0	4	CIL	TPR	CPP	KT2																			
KGD TPR	1	14.9	15	1	CPP																						
KGD CIL	1	19.5	11	2	CPP	PGG																					
KGD GB1	1	11.3	35	1	CPP																						
KGD GB2	1	15.2	26	2	CPP	GB1																					
KGD SM2	1	32.1	16	3	CPP	JT2	KB																				
KGD SM2	2	27.3	0	3	CPP	KT2	SLP																				
KGD SM1	1	34.4	15	4	CPP	JT2	KB	SM2																			
KGD SM1	2	29.6	0	4	CPP	KT2	SLP	SM2																			
KGD KT2	1	47.6	29	5	CPP	JT2	KB	SM2	SLP																		
KGD KT2	2	11.8	30	1	CPP																						
KGD KB	1	26.6	12	2	CPP	JT2																					
KGD KB	2	32.8	12	4	CPP	KT2	SLP	SM2																			
KGD CPE	1	34.3	11	3	CPP	JT2	KB																				
KGD CPE	2	40.5	0	5	CPP	KT2	SLP	SM2	KB																		
KGD SLP	1	40.5	9	4	CPP	JT2	KB	SM2																			
KGD SLP	2	18.9	18	2	CPP	KT2																					
KGD PLM	1	46.8	0	5	CPP	JT2	KB	SM2	SLP																		
KGD PLM	2	25.2	11	3	CPP	KT2	SLP																				
KGD CKG	1	28.3	0	3	CPP	GB1	SLP																				
KGD CKG	2	42	15	6	CPP	KT2	ANC	KT1	PLT	TGA																	
KGD TGA	1	32.8	0	4	CPP	GB1	SLP	CKG																			
KGD TGA	2	37.5	7	5	CPP	KT2	ANC	KT1	PLT																		
KGD RSS	1	39.4	8	5	CPP	JT2	KB	SM2	SM1																		
KGD RSS	2	34.6	0	5	CPP	KT2	SLP	SM2	SM1																		
KGP KT2	1	16.3	0	2	CPP	GB1																					
KGP KT2	2	11.8	15	1	CPP																						
TPR CIL	1	5.8	11	0																							
TPR GB1	1	16.2	17	1	CPP																						
TPR GB1	2	63.4	16	7	CIL	PGG	BKB	BEK	PDK	KLD	JT2																
TPR GB2	1	20.1	14	2	CPP	GB1																					
TPR GB2	2	60.7	14	7	CIL	PGG	BKB	BEK	PDK	KLD	JT2																
TPR SM2	1	32.2	0	3	CPP	KT2	SLP																				
TPR SM2	2	72.6	16	8	CIL	PGG	BKB	BEK	PDK	KLD	JT2	KB															
TPR SM1	1	34.5	0	4	CPP	KT2	SLP	SM2																			
TPR SM1	2	74.9	15	9	CIL	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2														
TPR KT2	1	16.7	20	1	CPP																						
TPR KT1	1	28.5	9	3	CPP	KT2	ANC																				
TPR PLT	1	32.9	10	4	CPP	KT2	ANC	KT1																			
TPR KT3	1	19.7	11	2	CPP	KT2																					
TPR KB	1	37.7	13	4	CPP	KT2	SLP	SM2																			
TPR KB	2	67.1	12	7	CIL	PGG	BKB	BEK	PDK	KLD	JT2																
TPR CPE	1	39.2	13	3	CPP	JT2	KB																				
TPR SLP	1	23.8	10	2	CPP	KT2																					
TPR SLP	2	81	11	9	CIL	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2														

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (9/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
TPR	PLM	1	30.1	12	3	CPP	KT2	SLP																				
TPR	CKG	1	46.9	15	6	CPP	KT2	ANC	KT1	PLT	TGA																	
TPR	TGA	1	42.4	9	5	CPP	KT2	ANC	KT1	PLT																		
TPR	RSS	1	44.3	9	5	CPP	JT2	KB	SM2	SM1																		
TPR	RSS	2	39.5	0	5	CPP	KT2	SLP	SM2	SM1																		
CIL	GB1	1	22	15	2	TPR	CPP																					
CIL	GB1	2	57.6	14	6	PGG	BKB	BEK	PDK	KLD	JT2																	
CIL	GB2	1	25.9	11	3	TPR	CPP	GB1																				
CIL	GB2	2	54.9	10	6	PGG	BKB	BEK	PDK	KLD	JT2																	
CIL	SM2	1	38	0	4	TPR	CPP	KT2	SLP																			
CIL	SM2	2	66.8	15	7	PGG	BKB	BEK	PDK	KLD	JT2	KB																
CIL	SM1	1	40.3	14	5	TPR	CPP	KT2	SLP	SM2																		
CIL	SM1	2	69.1	0	8	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2															
CIL	KT2	1	22.5	9	2	TPR	CPP																					
CIL	KT2	2	62.6	8	7	PGG	BKB	BEK	PDK	KLD	JT2	GB1																
CIL	KT3	1	25.5	9	3	TPR	CPP	KT2																				
CIL	KB	1	43.5	13	5	TPR	CPP	KT2	SLP	SM2																		
CIL	KB	2	61.3	13	6	PGG	BKB	BEK	PDK	KLD	JT2																	
CIL	CPE	1	51.2	12	6	TPR	CPP	KT2	SLP	SM2	KB																	
CIL	CPE	2	69	0	7	PGG	BKB	BEK	PDK	KLD	JT2	KB																
CIL	SLP	1	29.6	10	3	TPR	CPP	KT2																				
CIL	SLP	2	75.2	10	8	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2															
CIL	PLM	1	35.9	11	4	TPR	CPP	KT2	SLP																			
CIL	PLM	2	81.5	0	9	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SLP														
CIL	CKG	1	52.7	13	7	TPR	CPP	KT2	ANC	KT1	PLT	TGA																
CIL	CKG	2	85.2	0	9	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SLP														
CIL	TGA	1	48.2	8	6	TPR	CPP	KT2	ANC	KT1	PLT																	
CIL	TGA	2	89.7	0	10	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SLP	CKG													
CIL	RSS	1	45.3	8	6	TPR	CPP	KT2	SLP	SM2	SM1																	
CIL	RSS	2	74.1	9	9	PGG	BKB	BEK	PDK	KLD	JT2	KB	SM2	SM1														
GB1	GB2	1	3.9	280	0																							
GB1	SM2	1	6.7	188	0																							
GB1	SM2	2	13.8	94	1	KB																						
GB1	SM2	3	15.4	94	1	SLP																						
GB1	SM1	1	9	125	1	SM2																						
GB1	SM1	2	16.1	0	2	KB	SM2																					
GB1	SM1	3	17.7	0	2	SLP	SM2																					
GB1	KT2	1	5	84	0																							
GB1	KT2	2	13.1	42	1	CPP																						
GB1	KT2	3	14.1	42	1	SLP																						
GB1	KT1	1	16.8	18	2	KT2	ANC																					
GB1	KT1	2	35.4	18	4	SLP	CKG	TGA	PLT																			
GB1	PLT	1	21.2	19	3	KT2	ANC	KT1																				
GB1	PLT	2	31	18	3	SLP	CKG	TGA																				
GB1	ANC	1	9.6	14	1	KT2																						
GB1	ANC	2	42.6	14	5	SLP	CKG	TGA	PLT	KT1																		
GB1	KT3	1	8	24	1	KT2																						

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (10/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
GB1	KT3	2	16.1	24	2	CPP	KT2																					
GB1	KB	1	8.3	141	0																							
GB1	KB	2	12.2	64	1	SM2																						
GB1	KB	3	20.9	64	1	JT2																						
GB1	CPE	1	16	18	1	KB																						
GB1	CPE	2	76.5	18	6	SLP	CKG	TAN	BSD	SER	CPA																	
GB1	CPA	1	25.3	15	2	KB	CPE																					
GB1	CPA	2	67.2	15	5	SLP	CKG	TAN	BSD	SER																		
GB1	SER	1	38	8	3	KB	CPE	CPA																				
GB1	SER	2	54.5	0	4	SLP	CKG	TAN	BSD																			
GB1	BSD	1	44.6	10	4	KB	CPE	CPA	SER																			
GB1	BSD	2	47.9	0	3	SLP	CKG	TAN																				
GB1	CNE	1	21	14	2	KB	CPE																					
GB1	CNE	2	81.5	13	7	SLP	CKG	TAN	BSD	SER	CPA	CPE																
GB1	KBB	1	16.4	28	1	KB																						
GB1	KBB	2	20.3	28	2	SM2	KB																					
GB1	CDG	1	23.8	22	2	KB	KBB																					
GB1	CDG	2	27.7	22	3	SM2	KB	KBB																				
GB1	KA1	1	16.1	15	1	KB																						
GB1	KA1	2	70.7	14	9	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM														
GB1	PSM	1	21	9	2	KB	KA1																					
GB1	PSM	2	65.8	8	8	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG															
GB1	JAG	1	29.1	11	3	KB	KA1	PSM																				
GB1	JAG	2	57.7	10	7	JT2	CW	PSR	GAN	CSL	DP2	DP1																
GB1	DP1	1	38.6	14	4	KB	KA1	PSM	JAG																			
GB1	DP1	2	48.2	14	6	JT2	CW	PSR	GAN	CSL	DP2																	
GB1	DP2	1	44.8	10	5	KB	KA1	PSM	JAG	DP1																		
GB1	DP2	2	42	10	5	JT2	CW	PSR	GAN	CSL																		
GB1	CIB	1	55.3	10	6	KB	KA1	PSM	JAG	DP1	DP2																	
GB1	CIB	2	76.2	10	8	JT2	KLD	PDK	BEK	BKS	BGG	CLS	GPI															
GB1	KA2	1	13.3	31	1	KB																						
GB1	KA2	2	25.9	30	2	JT2	KB																					
GB1	SLP	1	7	120	0																							
GB1	SLP	2	12.1	60	1	KT2																						
GB1	SLP	3	15.1	60	1	SM2																						
GB1	PLM	1	13.3	32	1	SLP																						
GB1	PLM	2	18.4	31	2	KT2	SLP																					
GB1	PLM	3	21.4	31	2	SM2	SLP																					
GB1	MER	1	16.9	29	2	SLP	PLM																					
GB1	MER	2	22	29	3	KT2	SLP	PLM																				
GB1	KED	1	14	30	1	SLP																						
GB1	KED	2	19.1	29	2	KT2	SLP																					
GB1	CKG	1	17	25	1	SLP																						
GB1	CKG	2	35.2	24	5	KT2	ANC	KT1	PLT	TGA																		
GB1	TGA	1	21.5	17	2	SLP	CKG																					
GB1	TGA	2	30.7	17	4	KT2	ANC	KT1	PLT																			
GB1	JIA	1	30	9	2	SLP	CKG																					

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (11/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
GB1	JIA	2	48.2	10	6	KT2	ANC	KT1	PLT	TGA	CKG																	
GB1	TAN	1	29.6	13	2	SLP	CKG																					
GB1	TAN	2	62.9	13	5	KB	CPE	CPA	SER	BSD																		
GB1	PSK	1	39.6	22	3	SLP	CKG	TAN																				
GB1	PSK	2	72.9	22	6	KB	CPE	CPA	SER	BSD	TAN																	
GB1	TGS	1	55.5	7	4	SLP	CKG	TAN	CKP																			
GB1	TGS	2	88.8	0	7	KB	CPE	CPA	SER	BSD	TAN	CKP																
GB1	STR	1	15.3	7	1	KT2																						
GB1	STR	2	23.4	0	2	CPP	KT2																					
GB1	PGB	1	36.5	10	4	CPP	TPR	CIL	PGG																			
GB1	PGB	2	53.1	9	6	JT2	KLD	PDK	BEK	BKB	PGG																	
GB1	RSS	1	14	48	2	SM2	SM1																					
GB1	RSS	2	21.1	47	3	KB	SM2	SM1																				
GB2	SM2	1	10.6	36	1	GB1																						
GB2	SM2	2	23.7	36	2	JT2	KB																					
GB2	SM1	1	12.9	40	2	GB1	SM2																					
GB2	SM1	2	26	39	3	JT2	KB	SM2																				
GB2	KT2	1	8.9	30	1	GB1																						
GB2	KT2	2	22	29	2	JT2	CPP																					
GB2	KT1	1	20.7	11	3	GB1	KT2	ANC																				
GB2	KT1	2	60.5	11	7	JT2	KB	SM2	SLP	CKG	TGA	PLT																
GB2	PLT	1	25.1	13	4	GB1	KT2	ANC	KT1																			
GB2	PLT	2	56.1	12	6	JT2	KB	SM2	SLP	CKG	TGA																	
GB2	ANC	1	13.5	16	2	GB1	KT2																					
GB2	ANC	2	67.7	0	8	JT2	KB	SM2	SLP	CKG	TGA	PLT	KT1															
GB2	KT3	1	11.9	18	2	GB1	KT2																					
GB2	KT3	2	25	17	3	JT2	CPP	KT2																				
GB2	KB	1	12.2	27	1	GB1																						
GB2	KB	2	18.2	28	1	JT2																						
GB2	CPE	1	25.9	19	2	JT2	KB																					
GB2	CPE	2	80.4	19	7	GB1	SLP	CKG	TAN	BSD	SER	CPA																
GB2	CPA	1	35.2	9	3	JT2	KB	CPE																				
GB2	CPA	2	71.1	8	6	GB1	SLP	CKG	TAN	BSD	SER																	
GB2	BSD	1	54.5	0	5	JT2	KB	CPE	CPA	SER																		
GB2	BSD	2	51.8	8	4	GB1	SLP	CKG	TAN																			
GB2	CNE	1	30.9	16	3	JT2	KB	CPE																				
GB2	CNE	2	85.4	0	8	GB1	SLP	CKG	TAN	BSD	SER	CPA	CPE															
GB2	KBB	1	20.3	0	2	GB1	KB																					
GB2	KBB	2	26.3	14	2	JT2	KB																					
GB2	CDG	1	27.7	0	3	GB1	KB	KBB																				
GB2	CDG	2	33.7	8	3	JT2	KB	KBB																				
GB2	KA1	1	20	13	2	GB1	KB																					
GB2	KA1	2	68	13	9	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM														
GB2	PSM	1	24.9	11	3	GB1	KB	KA1																				
GB2	PSM	2	63.1	0	8	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG															
GB2	JAG	1	33	11	4	GB1	KB	KA1	PSM																			
GB2	JAG	2	55	0	7	JT2	CW	PSR	GAN	CSL	DP2	DP1																

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (12/19)

SECTION	ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
GB2 DP1	1	42.5	14	5	GB1	KB	KA1	PSM	JAG																		
GB2 DP1	2	45.5	0	6	JT2	CW	PSR	GAN	CSL	DP2																	
GB2 DP2	1	48.7	0	6	GB1	KB	KA1	PSM	JAG	DP1																	
GB2 DP2	2	39.3	13	5	JT2	CW	PSR	GAN	CSL																		
GB2 CIB	1	73.5	9	8	JT2	KLD	PDK	BEK	BKS	BGG	CLS	GP1															
GB2 CIB	2	59.2	0	7	GB1	KB	KA1	PSM	JAG	DP1	DP2																
GB2 KA2	1	17.2	0	2	GB1	KB																					
GB2 KA2	2	23.2	14	2	JT2	KB																					
GB2 SLP	1	10.9	22	1	GB1																						
GB2 SLP	2	32.1	22	3	JT2	KB	SM2																				
GB2 PLM	1	17.2	19	2	GB1	SLP																					
GB2 PLM	2	38.4	18	4	JT2	KB	SM2	SLP																			
GB2 MER	1	20.8	11	3	GB1	SLP	PLM																				
GB2 MER	2	42	0	5	JT2	KB	SM2	SLP	PLM																		
GB2 KED	1	17.9	16	2	GB1	SLP																					
GB2 KED	2	39.1	0	4	JT2	KB	SM2	SLP																			
GB2 CKG	1	20.9	23	2	GB1	SLP																					
GB2 CKG	2	52.2	23	7	JT2	CPP	KT2	ANC	KT1	PLT	TGA																
GB2 TGA	1	25.4	14	3	GB1	SLP	CKG																				
GB2 TGA	2	47.7	14	6	JT2	CPP	KT2	ANC	KT1	PLT																	
GB2 JIA	1	33.9	9	3	GB1	SLP	CKG																				
GB2 JIA	2	65.2	0	8	JT2	CPP	KT2	ANC	KT1	PLT	TGA	CKG															
GB2 TAN	1	33.5	0	3	GB1	SLP	CKG																				
GB2 TAN	2	72.8	16	6	JT2	KB	CPE	CPA	SER	BSD																	
GB2 PGB	1	40.4	9	5	GB1	CPP	TPR	CIL	PGG																		
GB2 PGB	2	50.4	0	6	JT2	KLD	PDK	BEK	BKB	PGG																	
GB2 RSS	1	17.9	23	3	GB1	SM2	SM1																				
GB2 RSS	2	31	23	4	JT2	KB	SM2	SM1																			
SM2 SM1	1	2.3	47	0																							
SM2 KT2	1	33.9	57	3	KB	JT2	CPP																				
SM2 KT2	2	15.5	58	1	SLP																						
SM2 KT1	1	23.5	0	3	GB1	KT2	ANC																				
SM2 KT1	2	36.8	14	4	SLP	CKG	TGA	PLT																			
SM2 PLT	1	27.9	0	4	GB1	KT2	ANC	KT1																			
SM2 PLT	2	32.4	15	3	SLP	CKG	TGA																				
SM2 KT3	1	36.9	9	4	KB	JT2	CPP	KT2																			
SM2 KT3	2	18.5	9	2	SLP	KT2																					
SM2 KB	1	5.5	199	0																							
SM2 KB	2	43.9	64	4	SLP	KT2	CPP	JT2																			
SM2 CPE	1	13.2	13	1	KB																						
SM2 CPE	2	77.9	14	6	SLP	CKG	TAN	BSD	SER	CPA																	
SM2 CPA	1	22.5	0	2	KB	CPE																					
SM2 CPA	2	68.6	11	5	SLP	CKG	TAN	BSD	SER																		
SM2 KBB	1	13.6	10	1	KB																						
SM2 KBB	2	52	0	5	SLP	KT2	CPP	JT2	KB																		
SM2 KA1	1	13.3	10	1	KB																						
SM2 KA1	2	77.4	11	10	GB1	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM													

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (13/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
SM2	PSM	1	18.2	0	2	KB	KA1																					
SM2	PSM	2	72.5	7	9	GB1	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG														
SM2	JAG	1	26.3	0	3	KB	KA1	PSM																				
SM2	JAG	2	64.4	7	8	GB1	JT2	CW	PSR	GAN	CSL	DP2	DP1															
SM2	KA2	1	10.5	10	1	KB																						
SM2	SLP	1	41	66	4	KB	JT2	CPP	KT2																			
SM2	SLP	2	8.4	67	0																							
SM2	PLM	1	47.3	10	5	KB	JT2	CPP	KT2	SLP																		
SM2	PLM	2	14.7	11	1	SLP																						
SM2	MER	1	50.9	0	6	KB	JT2	CPP	KT2	SLP	PLM																	
SM2	MER	2	18.3	7	2	SLP	PLM																					
SM2	KED	1	48	0	5	KB	JT2	CPP	KT2	SLP																		
SM2	KED	2	15.4	10	1	SLP																						
SM2	CKG	1	64.1	13	8	KB	JT2	CPP	KT2	ANC	KT1	PLT	TGA															
SM2	CKG	2	18.4	13	1	SLP																						
SM2	TGA	1	59.6	0	7	KB	JT2	CPP	KT2	ANC	KT1	PLT																
SM2	TGA	2	22.9	14	2	SLP	CKG																					
SM2	JIA	2	31.4	4	2	SLP	CKG																					
SM2	RSS	1	7.3	57	1	SM1																						
SM1	KT2	1	36.2	16	4	SM2	KB	JT2	CPP																			
SM1	KT2	2	17.8	16	2	SM2	SLP																					
SM1	KT1	1	25.8	0	4	SM2	GB1	KT2	ANC																			
SM1	KT1	2	39.1	13	5	SM2	SLP	CKG	TGA	PLT																		
SM1	PLT	1	30.2	0	5	SM2	GB1	KT2	ANC	KT1																		
SM1	PLT	2	34.7	16	4	SM2	SLP	CKG	TGA																			
SM1	KT3	1	39.2	9	5	SM2	KB	JT2	CPP	KT2																		
SM1	KT3	2	20.8	10	3	SM2	SLP	KT2																				
SM1	KB	1	7.8	49	1	SM2																						
SM1	KB	2	46.2	49	5	SM2	SLP	KT2	CPP	JT2																		
SM1	CPE	1	15.5	12	2	SM2	KB																					
SM1	CPE	2	80.2	12	7	SM2	SLP	CKG	TAN	BSD	SER	CPA																
SM1	CPA	1	24.8	0	3	SM2	KB	CPE																				
SM1	CPA	2	70.9	10	6	SM2	SLP	CKG	TAN	BSD	SER																	
SM1	CNE	1	20.5	0	3	SM2	KB	CPE																				
SM1	CNE	2	85.2	9	8	SM2	SLP	CKG	TAN	BSD	SER	CPA	CPE															
SM1	KBB	1	15.9	9	2	SM2	KB																					
SM1	KA1	1	15.6	0	2	SM2	KB																					
SM1	KA1	2	79.7	16	11	SM2	GB1	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM												
SM1	PSM	1	20.5	0	3	SM2	KB	KA1																				
SM1	PSM	2	74.8	7	10	SM2	GB1	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG													
SM1	JAG	1	28.6	0	4	SM2	KB	KA1	PSM																			
SM1	JAG	2	66.7	7	9	SM2	GB1	JT2	CW	PSR	GAN	CSL	DP2	DP1														
SM1	KA2	1	12.8	9	2	SM2	KB																					
SM1	SLP	1	43.3	15	5	SM2	KB	JT2	CPP	KT2																		
SM1	SLP	2	10.7	15	1	SM2																						
SM1	PLM	1	49.6	12	6	SM2	KB	JT2	CPP	KT2	SLP																	
SM1	PLM	2	17	13	2	SM2	SLP																					

FILE:B:2MD-JKT.PRN
TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (14/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
SM1	MER	1	53.2	0	7	SM2	KB	JT2	CPP	KT2	SLP	PLM																
SM1	MER	2	20.6	7	3	SM2	SLP	PLM																				
SM1	KED	1	50.3	0	6	SM2	KB	JT2	CPP	KT2	SLP																	
SM1	KED	2	17.7	9	2	SM2	SLP																					
SM1	CKG	1	66.4	14	9	SM2	KB	JT2	CPP	KT2	ANC	KT1	PLT	TGA														
SM1	CKG	2	20.7	14	2	SM2	SLP																					
SM1	TGA	1	61.9	0	8	SM2	KB	JT2	CPP	KT2	ANC	KT1	PLT															
SM1	TGA	2	25.2	16	3	SM2	SLP	CKG																				
SM1	TAN	1	33.3	10	3	SM2	SLP	CKG																				
SM1	RSS	1	5	32	0																							
KT2	KT1	1	2.4	0	0																							
KT2	KT1	2	11.8	58	1	ANC																						
KT2	PLT	1	16.2	61	2	ANC	KT1																					
KT2	ANC	1	4.6	54	0																							
KT2	KT3	1	3	80	0																							
KT2	KB	1	28.4	32	2	CPP	JT2																					
KT2	KB	2	21	32	2	SLP	SM2																					
KT2	CPE	1	36.1	12	3	CPP	JT2	KB																				
KT2	CPE	2	76.6	11	6	SLP	CKG	TAN	BSD	SER	CPA																	
KT2	CPA	1	45.4	10	4	CPP	JT2	KB	CPE																			
KT2	CPA	2	67.3	0	5	SLP	CKG	TAN	BSD	SER																		
KT2	SER	1	58.1	4	5	CPP	JT2	KB	CPE	CPA																		
KT2	SER	2	54.6	0	4	SLP	CKG	TAN	BSD																			
KT2	BSD	1	64.7	7	6	CPP	JT2	KB	CPE	CPA	SER																	
KT2	BSD	2	48	0	3	SLP	CKG	TAN																				
KT2	CNE	1	41.1	8	4	CPP	JT2	KB	CPE																			
KT2	CNE	2	81.6	0	7	SLP	CKG	TAN	BSD	SER	CPA	CPE																
KT2	KBB	1	36.5	9	3	CPP	JT2	KB																				
KT2	KBB	2	29.1	0	3	SLP	SM2	KB																				
KT2	CDG	1	43.9	6	4	CPP	JT2	KB	KBB																			
KT2	CDG	2	36.5	0	4	SLP	SM2	KB	KBB																			
KT2	KA1	1	78.2	9	10	CPP	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG	PSM													
KT2	KA1	2	28.8	10	3	SLP	SM2	KB																				
KT2	PSM	1	73.3	0	9	CPP	JT2	CW	PSR	GAN	CSL	DP2	DP1	JAG														
KT2	PSM	2	33.7	8	4	SLP	SM2	KB	KA1																			
KT2	JAG	1	65.2	0	8	CPP	JT2	CW	PSR	GAN	CSL	DP2	DP1															
KT2	JAG	2	41.8	8	5	SLP	SM2	KB	KA1	PSM																		
KT2	DP1	1	55.7	0	7	CPP	JT2	CW	PSR	GAN	CSL	DP2																
KT2	DP1	2	51.3	9	6	SLP	SM2	KB	KA1	PSM	JAG																	
KT2	DP2	1	49.5	0	6	CPP	JT2	CW	PSR	GAN	CSL																	
KT2	DP2	2	57.5	8	7	SLP	SM2	KB	KA1	PSM	JAG	DP1																
KT2	CIB	1	83.7	0	9	CPP	JT2	KLD	PDK	BEK	BKS	BGG	CLS	GPI														
KT2	CIB	2	68	7	8	SLP	SM2	KB	KA1	PSM	JAG	DP1	DP2															
KT2	KA2	1	35.4	8	3	CPP	JT2	KB																				
KT2	KA2	2	26	0	3	SLP	SM2	KB																				
KT2	SLP	1	42.3	8	4	CPP	JT2	KB	SM2																			
KT2	SLP	2	7.1	29	0																							

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (15/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP.	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KT2	PLM	1	48.6	0	5	CPP	JT2	KB	SM2	SLP																		
KT2	PLM	2	13.4	23	1	SLP																						
KT2	MER	1	52.2	0	6	CPP	JT2	KB	SM2	SLP	PLM																	
KT2	MER	2	17	8	2	SLP	PLM																					
KT2	KED	1	49.3	0	5	CPP	JT2	KB	SM2	SLP																		
KT2	KED	2	14.1	13	1	SLP																						
KT2	CKG	1	30.2	71	4	ANC	KT1	PLT	TGA																			
KT2	CKG	2	17.1	0	1	SLP																						
KT2	TGA	1	25.7	28	3	ANC	KT1	PLT																				
KT2	TGA	2	21.6	0	2	SLP	CKG																					
KT2	JIA	1	43.2	35	5	ANC	KT1	PLT	TGA	CKG																		
KT2	JIA	2	30.1	0	2	SLP	CKG																					
KT2	TAN	1	83	10	7	CPP	JT2	KB	CPE	CPA	SER	BSD																
KT2	TAN	2	29.7	0	2	SLP	CKG																					
KT2	JUG	1	47.8	26	6	ANC	KT1	PLT	TGA	CKG	TAN																	
KT2	PSK	1	52.8	14	6	ANC	KT1	PLT	TGA	CKG	TAN																	
KT2	CKP	1	59.3	26	6	ANC	KT1	PLT	TGA	CKG	TAN																	
KT2	BLJ	1	71.9	28	7	ANC	KT1	PLT	TGA	CKG	TAN	CKP																
KT2	TGS	1	68.7	24	7	ANC	KT1	PLT	TGA	CKG	TAN	CKP																
KT2	CUG	1	68.1	14	7	ANC	KT1	PLT	TGA	CKG	TAN	CKP																
KT2	LGK	1	78.6	11	8	ANC	KT1	PLT	TGA	CKG	TAN	CKP	CUG															
KT2	PPG	1	85.4	20	9	ANC	KT1	PLT	TGA	CKG	TAN	CKP	CUG	LGK														
KT2	STR	1	10.3	22	0																							
KT2	PGB	1	37	7	4	CPP	TPR	CIL	PGG																			
KT2	RSS	1	41.2	9	5	CPP	JT2	KB	SM2	SM1																		
KT2	RSS	2	22.8	9	3	SLP	SM2	SM1																				
KT1	PLT	1	4.4	11	0																							
KT1	KT3	1	5.4	13	1	KT2																						
KT1	KB	1	30.8	12	3	KT2	CPP	JT2																				
KT1	KB	2	42.3	11	5	PLT	TGA	CKG	SLP	SM2																		
KT1	CPE	1	38.5	9	4	KT2	CPP	JT2	KB																			
KT1	CPE	2	77.9	0	7	PLT	TGA	CKG	TAN	BSD	SER	CPA																
KT1	SLP	1	28.4	51	3	PLT	TGA	CKG																				
KT1	SLP	2	9.5	0	1	KT2																						
KT1	CKG	1	18.4	13	2	PLT	TGA																					
KT1	CKG	2	19.5	0	2	KT2	SLP																					
KT1	TGA	1	13.9	8	1	PLT																						
KT1	TGA	2	24	0	3	KT2	SLP	CKG																				
KT1	RSS	1	43.6	0	6	KT2	CPP	JT2	KB	SM2	SM1																	
KT1	RSS	2	25.2	8	4	KT2	SLP	SM2	SM1																			
PLT	KT3	1	9.8	15	2	KT1	KT2																					
PLT	KB	1	35.2	14	4	KT1	KT2	CPP	JT2																			
PLT	KB	2	37.9	14	4	TGA	CKG	SLP	SM2																			
PLT	CPE	1	42.9	11	5	KT1	KT2	CPP	JT2	KB																		
PLT	CPE	2	73.5	0	6	TGA	CKG	TAN	BSD	SER	CPA																	
PLT	SLP	1	13.9	0	2	KT1	KT2																					
PLT	SLP	2	24	58	2	TGA	CKG																					

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (16/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
PLT	PLM	1	20.2	0	3	KT1	KT2	SLP																				
PLT	PLM	2	30.3	12	3	TGA	CKG	SLP																				
PLT	CKG	1	23.9	0	3	KT1	KT2	SLP																				
PLT	CKG	2	14	19	1	TGA																						
PLT	TGA	1	9.5	12	0																							
PLT	TGA	2	28.4	0	4	KT1	KT2	SLP	CKG																			
PLT	RSS	1	48	0	7	KT1	KT2	CPP	JT2	KB	SM2	SM1																
PLT	RSS	2	39.7	9	5	TGA	CKG	SLP	SM2	SM1																		
ANC	KB	1	33	11	3	KT2	CPP	JT2																				
ANC	KB	2	49.5	0	6	KT1	PLT	TGA	CKG	SLP	SM2																	
ANC	SLP	1	35.6	41	4	KT1	PLT	TGA	CKG																			
ANC	SLP	2	11.7	0	1	KT2																						
KT3	KB	1	31.4	15	3	KT2	CPP	JT2																				
KT3	KB	2	24	14	3	KT2	SLP	SM2																				
KT3	CPE	1	39.1	12	4	KT2	CPP	JT2	KB																			
KT3	CPE	2	79.6	0	7	KT2	SLP	CKG	TAN	BSD	SER	CPA																
KT3	KA1	1	39.2	0	4	KT2	CPP	JT2	KB																			
KT3	KA1	2	31.8	9	4	KT2	SLP	SM2	KB																			
KT3	SLP	1	45.3	14	5	KT2	CPP	JT2	KB	SM2																		
KT3	SLP	2	10.1	14	1	KT2																						
KT3	PLM	1	51.6	0	6	KT2	CPP	JT2	KB	SM2	SLP																	
KT3	PLM	2	16.4	15	2	KT2	SLP																					
KT3	KED	1	52.3	0	6	KT2	CPP	JT2	KB	SM2	SLP																	
KT3	KED	2	17.1	6	2	KT2	SLP																					
KT3	CKG	1	23.8	10	4	KT2	KT1	PLT	TGA																			
KT3	CKG	2	20.1	9	2	KT2	SLP																					
KT3	TGA	1	19.3	12	3	KT2	KT1	PLT																				
KT3	TGA	2	24.6	0	3	KT2	SLP	CKG																				
KT3	RSS	1	44.2	0	6	KT2	CPP	JT2	KB	SM2	SM1																	
KT3	RSS	2	25.8	11	4	KT2	SLP	SM2	SM1																			
KB	CPE	1	7.7	73	0																							
KB	CPA	1	17	68	1	CPE																						
KB	SER	1	29.7	27	2	CPE	CPA																					
KB	BSD	1	36.3	38	3	CPE	CPA	SER																				
KB	BSD	2	54.8	0	4	SM2	SLP	CKG	TAN																			
KB	CNE	1	12.7	26	1	CPE																						
KB	KBB	1	8.1	62	0																							
KB	CDG	1	15.5	44	1	KBB																						
KB	KA1	1	7.8	74	0																							
KB	PSM	1	12.7	57	1	KA1																						
KB	JAG	1	20.8	58	2	KA1	PSM																					
KB	DP1	1	30.3	69	3	KA1	PSM	JAG																				
KB	DP2	1	36.5	59	4	KA1	PSM	JAG	DP1																			
KB	CIB	1	47	47	5	KA1	PSM	JAG	DP1	DP2																		
KB	KA2	1	5	65	0																							
KB	SLP	1	35.5	28	3	JT2	CPP	KT2																				
KB	SLP	2	13.9	29	1	SM2																						

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (17/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KB	PLM	1	41.8	19	4	JT2	CPP	KT2	SLP																			
KB	PLM	2	20.2	20	2	SM2	SLP																					
KB	MER	1	45.4	0	5	JT2	CPP	KT2	SLP	PLM																		
KB	MER	2	23.8	15	3	SM2	SLP	PLM																				
KB	KED	1	42.5	10	4	JT2	CPP	KT2	SLP																			
KB	KED	2	20.9	11	2	SM2	SLP																					
KB	CKG	1	49.2	18	6	JT2	CPP	KT2	KT1	PLT	TGA																	
KB	CKG	2	23.9	18	2	SM2	SLP																					
KB	TGA	1	44.7	33	5	JT2	CPP	KT2	KT1	PLT																		
KB	TGA	2	28.4	34	3	SM2	SLP	CKG																				
KB	JIA	1	62.2	10	7	JT2	CPP	KT2	KT1	PLT	TGA	CKG																
KB	JIA	2	36.9	0	3	SM2	SLP	CKG																				
KB	TAN	1	54.6	64	4	CPE	CPA	SER	BSD																			
KB	TAN	2	36.5	0	3	SM2	SLP	CKG																				
KB	TGS	2	62.4	6	5	SM2	SLP	CKG	TAN	CKP																		
KB	STR	1	38.7	0	3	JT2	CPP	KT2																				
KB	STR	2	31.3	5	3	SM2	SLP	KT2																				
KB	CPD	1	59.6	9	5	CPE	CPA	SER	BSD	TAN																		
KB	CPD	2	41.5	9	4	SM2	SLP	CKG	TAN																			
KB	PGB	1	31.6	10	3	JT2	CPP	PGG																				
KB	RSS	1	51.2	42	6	JT2	CPP	KT2	SLP	SM2	SM1																	
KB	RSS	2	12.8	43	2	SM2	SM1																					
KB	CBB	1	35.2	0	4	JT2	CW	PSR	GAN	CSL																		
KB	CBB	2	57	11	7	KA1	PSM	JAG	DP1	DP2	CSL	GAN																
KB	KRG	1	39.2	12	4	JT2	CW	PSR	PDG																			
KB	KRG	2	69.2	12	9	KA1	PSM	JAG	DP1	DP2	CSL	GAN	PSR	PDG														
CPE	CPA	1	9.3	16	0																							
CPE	CNE	1	5	15	0																							
CPE	KBB	1	15.8	12	1	KB																						
CPE	CDG	1	23.2	7	2	KB	KBB																					
CPE	KA1	1	15.5	15	1	KB																						
CPE	PSM	1	20.4	10	2	KB	KA1																					
CPE	JAG	1	28.5	11	3	KB	KA1	PSM																				
CPE	DP1	1	38	11	4	KB	KA1	PSM	JAG																			
CPE	DP2	1	44.2	8	5	KB	KA1	PSM	JAG	DP1																		
CPE	KA2	1	12.7	11	1	KB																						
CPE	SLP	1	69.5	56	5	CPA	SER	BSD	TAN	CKG																		
CPE	SLP	2	21.6	0	2	KB	SM2																					
CPE	PLM	1	75.8	10	6	CPA	SER	BSD	TAN	CKG	SLP																	
CPE	PLM	2	27.9	11	3	KB	SM2	SLP																				
CPE	MER	1	79.4	0	7	CPA	SER	BSD	TAN	CKG	SLP	PLM																
CPE	MER	2	31.5	8	4	KB	SM2	SLP	PLM																			
CPE	KED	1	76.5	0	6	CPA	SER	BSD	TAN	CKG	SLP																	
CPE	KED	2	28.6	8	3	KB	SM2	SLP																				
CPE	CKG	1	59.5	11	4	CPA	SER	BSD	TAN																			
CPE	CKG	2	31.6	11	3	KB	SM2	SLP																				
CPE	TGA	1	64	0	5	CPA	SER	BSD	TAN	CKG																		

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (18/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP.	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
CPE	TGA	2	45	14	6	KB	SM2	SLP	KT2	KT1	PLT																	
CPE	TAN	1	46.9	11	3	CPA	SER	BSD																				
CPE	TAN	2	44.2	0	4	KB	SM2	SLP	CKG																			
CPE	RSS	1	85.2	0	8	CPA	SER	BSD	TAN	CKG	SLP	SM2	SM1															
CPE	RSS	2	20.5	16	3	KB	SM2	SM1																				
CPA	SLP	1	60.2	51	4	SER	BSD	TAN	CKG																			
CPA	SLP	2	30.9	0	3	CPE	KB	SM2																				
CPA	CKG	1	50.2	11	3	SER	BSD	TAN																				
CPA	CKG	2	40.9	0	4	CPE	KB	SM2	SLP																			
SER	SLP	1	47.5	25	3	BSD	TAN	CKG																				
SER	SLP	2	43.6	0	4	CPA	CPE	KB	SM2																			
BSD	SLP	1	40.9	36	2	TAN	CKG																					
CNE	SLP	1	74.5	43	6	CPE	CPA	SER	BSD	TAN	CKG																	
CNE	SLP	2	26.6	0	3	CPE	KB	SM2																				
CNE	CKG	1	64.5	0	5	CPE	CPA	SER	BSD	TAN																		
CNE	CKG	2	36.6	9	4	CPE	KB	SM2	SLP																			
KBB	SLP	2	22	10	2	KB	SM2																					
KBB	PLM	2	28.3	8	3	KB	SM2	SLP																				
KBB	CKG	2	32	9	3	KB	SM2	SLP																				
KBB	RSS	1	20.9	6	3	KB	SM2	SM1																				
CDG	SLP	1	51	0	5	KBB	KB	JT2	CPP	KT2																		
CDG	SLP	2	29.4	8	3	KBB	KB	SM2																				
CDG	CKG	1	82.7	0	7	KBB	KB	CPE	CPA	SER	BSD	TAN																
CDG	CKG	2	39.4	7	4	KBB	KB	SM2	SLP																			
KA1	KA2	1	12.8	8	1	KB																						
KA1	SLP	1	77.7	9	10	PSM	JAG	DP1	DP2	CSL	GAN	PSR	CW	JT2	GB1													
KA1	SLP	2	21.7	9	2	KB	SM2																					
KA1	PLM	2	28	9	3	KB	SM2	SLP																				
KA1	CKG	1	31.7	14	3	KB	SM2	SLP																				
KA1	TGA	1	52.5	0	6	KB	JT2	CPP	KT2	KT1	PLT																	
KA1	TGA	2	36.2	7	4	KB	SM2	SLP	CKG																			
KA1	RSS	1	59	0	7	KB	JT2	CPP	KT2	SLP	SM2	SM1																
KA1	RSS	2	20.6	13	3	KB	SM2	SM1																				
PSM	SLP	1	80.4	0	10	JAG	DP1	DP2	CSL	GAN	PSR	CW	JT2	CPP	KT2													
PSM	SLP	2	26.6	9	3	KA1	KB	SM2																				
JAG	SLP	1	72.3	0	9	DP1	DP2	CSL	GAN	PSR	CW	JT2	CPP	KT2														
JAG	SLP	2	34.7	10	4	PSM	KA1	KB	SM2																			
JAG	CKG	1	44.7	7	5	PSM	KA1	KB	SM2	SLP																		
DP1	SLP	1	62.8	0	8	DP2	CSL	GAN	PSR	CW	JT2	CPP	KT2															
DP1	SLP	2	44.2	9	5	JAG	PSM	KA1	KB	SM2																		
DP1	CKG	1	54.2	9	6	JAG	PSM	KA1	KB	SM2	SLP																	
DP2	SLP	1	56.6	0	7	CSL	GAN	PSR	CW	JT2	CPP	KT2																
DP2	SLP	2	50.4	9	6	DP1	JAG	PSM	KA1	KB	SM2																	
CIB	SLP	1	90.8	0	10	GPI	CLS	BGG	BKS	BEK	PDK	KLD	JT2	CPP	KT2													
CIB	SLP	2	60.9	9	7	DP2	DP1	JAG	PSM	KA1	KB	SM2																
KA2	SLP	1	40.5	0	4	KB	JT2	CPP	KT2																			
KA2	SLP	2	18.9	10	2	KB	SM2																					

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TABLE 4BR-1 CIRCUIT ROUTING IN JAKARTA JUNCTION (19/19)

SECTION		ROUTE NO.	LENGTH IN KM	NO.OF 2MBIT	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KA2	CKG	1	28.9	7	3	KB	SM2	SLP																				
KA2	RSS	1	17.8	7	3	KB	SM2	SM1																				
SLP	PLM	1	6.3	85	0																							
SLP	MER	1	9.9	48	1	PLM																						
SLP	KED	1	7	53	0																							
SLP	CKG	1	10	70	0																							
SLP	TGA	1	14.5	67	1	CKG																						
SLP	JIA	1	23	33	1	CKG																						
SLP	TAN	1	22.6	54	1	CKG																						
SLP	JUG	1	27.6	23	2	CKG	TAN																					
SLP	PSK	1	32.6	12	2	CKG	TAN																					
SLP	CKP	1	39.1	23	2	CKG	TAN																					
SLP	BLJ	1	51.7	25	3	CKG	TAN	CKP																				
SLP	TGS	1	48.5	22	3	CKG	TAN	CKP																				
SLP	CUG	1	47.9	12	3	CKG	TAN	CKP																				
SLP	LGK	1	58.4	11	4	CKG	TAN	CKP	CUG																			
SLP	PPG	1	65.2	20	5	CKG	TAN	CKP	CUG	LGK																		
SLP	STR	1	17.4	0	1	KT2																						
SLP	STR	2	50.5	20	6	CKG	TGA	PLT	KT1	ANC	KT2																	
SLP	CPD	1	27.6	18	2	CKG	TAN																					
SLP	PGB	1	44.1	7	5	KT2	CPP	TPR	CIL	PGG																		
SLP	RSS	1	48.3	10	6	KT2	CPP	JT2	KB	SM2	SM1																	
SLP	RSS	2	15.7	10	2	SM2	SM1																					
PLM	MER	1	3.6	8	0																							
PLM	KED	1	13.3	9	1	SLP																						
PLM	CKG	1	16.3	20	1	SLP																						
PLM	TGA	1	20.8	12	2	SLP	CKG																					
PLM	RSS	1	22	14	3	SLP	SM2	SM1																				
MER	CKG	1	19.9	9	2	PLM	SLP																					
KED	CKG	1	17	16	1	SLP																						
KED	TGA	1	21.5	8	2	SLP	CKG																					
KED	RSS	1	22.7	6	3	SLP	SM2	SM1																				
CKG	TGA	1	4.5	34	0																							
CKG	JIA	1	13	9	0																							
CKG	TAN	1	12.6	14	0																							
CKG	RSS	1	25.7	17	3	SLP	SM2	SM1																				
TGA	TAN	1	17.1	8	1	CKG																						
TGA	RSS	1	30.2	10	4	CKG	SLP	SM2	SM1																			

FILE:B:2MD-S8-1.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (1/10)

SECTION		ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
GS	DM1	1	41.4	0	3	KTD	KAL	TTD																				
GS	DM1	2	27.8	2	2	KTD	MTD																					
GS	DM2	1	41.4	0	4	KTD	KAL	TTD	DM1																			
GS	DM2	2	27.8	2	3	KTD	MTD	DM1																				
GS	KDA	1	41.8	1	3	KTD	KAL	TTD																				
GS	KDA	2	42	0	4	KTD	MTD	DM1	TTD																			
GS	KDB	1	41.8	5	4	KTD	KAL	TTD	KDA																			
GS	KDB	2	42	0	5	KTD	MTD	DM1	TTD	KDA																		
GS	TSA	1	34.5	3	3	KTD	KAL	TTD																				
GS	TSA	2	34.7	0	4	KTD	MTD	DM1	TTD																			
GS	TSB	1	34.5	5	3	KTD	KAL	TTD																				
GS	TSB	2	34.7	0	4	KTD	MTD	DM1	TTD																			
GS	TTD	1	34.5	28	2	KTD	KAL																					
GS	TTD	2	34.7	24	3	KTD	MTD	DM1																				
GS	TRK	1	19.2	36	1	KTD																						
BME	KPL	1	10.7	1	0																							
BME	TTD	1	21.9	7	1	KPL																						
BME	TTD	2	41.4	0	6	KPL	SPJ	WR1	IJK	RTD	DM1																	
BME	TRK	1	37.2	4	4	KPL	TTD	KAL	KTD																			
DM1	DM2	1	0	10	0																							
DM1	IJK	1	9.1	3	1	RTD																						
DM1	IJK	2	32.8	0	4	TTD	KPL	SPJ	WR1																			
DM1	KAL	1	16.6	0	2	MTD	KTD																					
DM1	KAL	2	14.2	2	1	TTD																						
DM1	KPA	1	11.2	2	2	MTD	KTD																					
DM1	KPA	2	24.8	0	3	TTD	KAL	KTD																				
DM1	KPB	1	11.2	5	3	MTD	KTD	KPA																				
DM1	KPB	2	24.8	0	4	TTD	KAL	KTD	KPA																			
DM1	KBA	1	8.6	2	2	MTD	KTD																					
DM1	KBA	2	22.2	0	3	TTD	KAL	KTD																				
DM1	KBB	1	8.6	4	2	MTD	KTD																					
DM1	KBB	2	22.2	0	3	TTD	KAL	KTD																				
DM1	MNR	1	10.6	5	1	MTD																						
DM1	MNR	2	34	0	4	TTD	KAL	KTD	MTD																			
DM1	MSA	1	3.7	3	1	MTD																						
DM1	MSA	2	27.1	0	4	TTD	KAL	KTD	MTD																			
DM1	MSB	1	3.7	5	1	MTD																						
DM1	MSB	2	27.1	0	4	TTD	KAL	KTD	MTD																			
DM1	MSC	1	3.7	5	1	MTD																						
DM1	MSC	2	27.1	0	4	TTD	KAL	KTD	MTD																			
DM1	MSD	1	3.7	6	1	MTD																						
DM1	MSD	2	27.1	0	4	TTD	KAL	KTD	MTD																			
DM1	RKA	1	5.9	2	1	RTD																						
DM1	RKA	2	36	0	6	TTD	KPL	SPJ	WR1	IJK	RTD																	
DM1	RKB	1	5.9	5	1	RTD																						
DM1	RKB	2	36	0	6	TTD	KPL	SPJ	WR1	IJK	RTD																	
DM1	TSA	1	6.9	3	1	TTD																						
DM1	TSA	2	23.9	0	4	MTD	KTD	KAL	TTD																			

FILE:B:2ND-SB-1.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (2/10)

SECTION		ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
DM1	TSB	1	6.9	4	1	TTD																						
DM1	TSB	2	23.9	0	4	MTD	KTD	KAL	TTD																			
DM1	KTD	1	8.6	7	1	MTD																						
DM1	KTD	2	22.2	0	2	TTD	KAL																					
DM1	TTD	1	6.9	7	0																							
DM1	TTD	2	23.9	0	3	MTD	KTD	KAL																				
DM1	RTD	1	5.9	5	0																							
DM1	RTD	2	36	4	5	TTD	KPL	SPJ	WR1	IJK																		
DM1	TRK	1	8.6	19	2	MTD	KTD																					
DM1	TRK	2	22.2	19	3	TTD	KAL	KTD																				
DM2	IJK	1	9.1	2	2	DM1	RTD																					
DM2	IJK	2	32.8	0	5	DM1	TTD	KPL	SPJ	WR1																		
DM2	KAL	1	14.2	1	2	DM1	TTD																					
DM2	KAL	2	16.6	0	3	DM1	MTD	KTD																				
DM2	KPA	1	11.2	2	3	DM1	MTD	KTD																				
DM2	KPA	2	24.8	0	4	DM1	TTD	KAL	KTD																			
DM2	KPB	1	11.2	4	4	DM1	MTD	KTD	KPA																			
DM2	KPB	2	24.8	0	5	DM1	TTD	KAL	KTD	KPA																		
DM2	KBA	1	8.6	2	3	DM1	MTD	KTD																				
DM2	KBA	2	22.2	0	4	DM1	TTD	KAL	KTD																			
DM2	KBB	1	8.6	3	3	DM1	MTD	KTD																				
DM2	KBB	2	22.2	0	4	DM1	TTD	KAL	KTD																			
DM2	MNR	1	10.6	4	2	DM1	MTD																					
DM2	MNR	2	34	0	5	DM1	TTD	KAL	KTD	MTD																		
DM2	MSA	1	3.7	3	2	DM1	MTD																					
DM2	MSA	2	27.1	0	5	DM1	TTD	KAL	KTD	MTD																		
DM2	MSB	1	3.7	4	2	DM1	MTD																					
DM2	MSB	2	27.1	0	5	DM1	TTD	KAL	KTD	MTD																		
DM2	MSC	1	3.7	4	2	DM1	MTD																					
DM2	MSC	2	27.1	0	5	DM1	TTD	KAL	KTD	MTD																		
DM2	MSD	1	3.7	5	2	DM1	MTD																					
DM2	MSD	2	27.1	0	5	DM1	TTD	KAL	KTD	MTD																		
DM2	RKA	1	5.9	2	2	DM1	RTD																					
DM2	RKA	2	36	0	7	DM1	TTD	KPL	SPJ	WR1	IJK	RTD																
DM2	RKB	1	5.9	4	2	DM1	RTD																					
DM2	RKB	2	36	0	7	DM1	TTD	KPL	SPJ	WR1	IJK	RTD																
DM2	TSA	1	6.9	2	2	DM1	TTD																					
DM2	TSA	2	23.9	0	5	DM1	MTD	KTD	KAL	TTD																		
DM2	TSB	1	6.9	3	2	DM1	TTD																					
DM2	TSB	2	23.9	0	5	DM1	MTD	KTD	KAL	TTD																		
DM2	KTD	1	8.6	4	2	DM1	MTD																					
DM2	KTD	2	22.2	0	3	DM1	TTD	KAL																				
DM2	TTD	1	6.9	6	1	DM1																						
DM2	TTD	2	23.9	0	4	DM1	MTD	KTD	KAL																			
DM2	RTD	1	5.9	8	1	DM1																						
DM2	RTD	2	36	0	6	DM1	TTD	KPL	SPJ	WR1	IJK																	
DM2	TRK	1	8.6	15	3	DM1	MTD	KTD																				
DM2	TRK	2	22.2	15	4	DM1	TTD	KAL	KTD																			

FILE:B:2MD-SB-2.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (3/10)

SECTION	ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
IJK RKA	1	2.9	2	1	RTD																						
IJK RKA	2	35.7	0	6	WR1	SPJ	KPL	TTD	DM1	RTD																	
IJK RKB	1	2.9	4	1	RTD																						
IJK RKB	2	35.7	0	6	WR1	SPJ	KPL	TTD	DM1	RTD																	
IJK WR1	1	34.6	0	5	RTD	DM1	TTD	KPL	SPJ																		
IJK WR1	2	4	3	0																							
IJK WR2	1	39.7	0	6	RTD	DM1	TTD	KPL	SPJ	WR1																	
IJK WR2	2	9.1	2	1	WR1																						
IJK SDA	1	39.6	0	6	RTD	DM1	TTD	KPL	SPJ	WR1																	
IJK SDA	2	9	7	1	WR1																						
IJK SDG	1	44.6	0	7	RTD	DM1	TTD	KPL	SPJ	WR1	SDA																
IJK SDG	2	14	6	2	WR1	SDA																					
IJK RTD	1	2.9	15	0																							
IJK RTD	2	35.7	0	5	WR1	SPJ	KPL	TTD	DM1																		
KAL KDA	1	32	0	4	KTD	MTD	DM1	TTD																			
KAL KDA	2	14.6	1	1	TTD																						
KAL KDB	1	32	0	5	KTD	MTD	DM1	TTD	KDA																		
KAL KDB	2	14.6	2	2	TTD	KDA																					
KAL KPL	1	35.9	0	4	KTD	MTD	DM1	TTD																			
KAL KPL	2	18.5	1	1	TTD																						
KAL MSA	1	12.9	1	2	KTD	MTD																					
KAL MSA	2	19.1	0	3	TTD	DM1	MTD																				
KAL MSB	1	12.9	2	2	KTD	MTD																					
KAL MSB	2	19.1	0	3	TTD	DM1	MTD																				
KAL MSC	1	12.9	2	2	KTD	MTD																					
KAL MSC	2	19.1	0	3	TTD	DM1	MTD																				
KAL MSD	1	12.9	2	2	KTD	MTD																					
KAL MSD	2	19.1	0	3	TTD	DM1	MTD																				
KAL RKA	1	20.7	0	4	KTD	MTD	DM1	RTD																			
KAL RKA	3	17.1	1	3	TTD	DM1	RTD																				
KAL RKB	1	20.7	0	4	KTD	MTD	DM1	RTD																			
KAL RKB	2	17.1	2	3	TTD	DM1	RTD																				
KAL TSA	1	24.7	0	4	KTD	MTD	DM1	TTD																			
KAL TSA	2	7.3	2	1	TTD																						
KAL TSB	1	24.7	0	4	KTD	MTD	DM1	TTD																			
KAL TSB	2	7.3	2	1	TTD																						
KAL TTD	1	24.7	0	3	KTD	MTD	DM1																				
KAL TTD	2	7.3	9	0																							
KAL RTD	1	20.7	0	3	KTD	MTD	DM1																				
KAL RTD	2	17.1	2	2	TTD	DM1																					
KDA KDB	1	0	2	0																							
KDA TSA	1	7.3	1	1	TTD																						
KDA TSB	1	7.3	1	1	TTD																						
KDA MTD	1	19.1	1	2	TTD	DM1																					
KDA M1D	2	27.5	0	3	TTD	KAL	KTD																				
KDA TTD	1	7.3	3	0																							

FILE:B:2MD-SB-2.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (4/10)

SECTION	ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KDA RTD	1	17.1	1	2	TTD	DM1																					
KDA RTD	2	36.1	0	5	TTD	KPL	SPJ	WR1	IJK																		
KDB KPL	1	34.7	0	7	KDA	TTD	DM1	RTD	IJK	WR1	SPJ																
KDB KPL	2	18.5	2	2	KDA	TTD																					
KDB TSA	1	7.3	3	2	KDA	TTD																					
KDB TSB	1	7.3	5	2	KDA	TTD																					
KDB SPJ	1	.31	0	6	KDA	TTD	DM1	RTD	IJK	WR1																	
KDB SPJ	2	22.2	1	3	KDA	TTD	KPL																				
KDB MTD	1	19.1	2	3	KDA	TTD	DM1																				
KDB MTD	2	27.5	0	4	KDA	TTD	KAL	KTD																			
KDB TTD	1	7.3	27	1	KDA																						
KDB RTD	1	17.1	4	3	KDA	TTD	DM1																				
KDB RTD	2	36.1	0	6	KDA	TTD	KPL	SPJ	WR1	IJK																	
KPA KPB	1	0	6	0																							
KPA KBA	1	2.8	2	1	KTD																						
KPA KBB	1	2.8	4	1	KTD																						
KPA KJR	1	5.4	3	0																							
KPA MSA	1	29.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KPA MSA	2	7.7	2	2	KTD	MTD																					
KPA MSB	1	29.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KPA MSB	2	7.7	2	2	KTD	MTD																					
KPA MSC	1	29.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KPA MSC	2	7.7	2	2	KTD	MTD																					
KPA MSD	1	29.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KPA MSD	2	7.7	2	2	KTD	MTD																					
KPA PRK	1	6	2	1	KTD																						
KPA KTD	1	2.8	10	0																							
KPA MTD	1	29.9	0	4	KTD	KAL	TTD	DM1																			
KPA MTD	2	7.7	1	1	KTD																						
KPA TTD	1	18.1	2	2	KTD	KAL																					
KPA TTD	2	19.5	0	3	KTD	MTD	DM1																				

FILE:B:2MD-SB-3.SLK
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (5/10)

SECTION	ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KPB KBA	1	2.6	4	2	KPA	KTD																					
KPB KBB	1	2.6	9	2	KPA	KTD																					
KPB KJR	1	5.4	6	1	KPA																						
KPB MSA	1	7.5	4	3	KPA	KTD	MTD																				
KPB MSA	2	28.5	0	6	KPA	KTD	KAL	TTD	DM1	MTD																	
KPB MSB	1	7.5	5	3	KPA	KTD	MTD																				
KPB MSB	2	28.5	0	6	KPA	KTD	KAL	TTD	DM1	MTD																	
KPB MSC	1	7.5	5	3	KPA	KTD	MTD																				
KPB MSC	2	28.5	0	6	KPA	KTD	KAL	TTD	DM1	MTD																	
KPB MSD	1	7.5	4	3	KPA	KTD	MTD																				
KPB MSD	2	28.5	0	6	KPA	KTD	KAL	TTD	DM1	MTD																	
KPB PRK	1	5.8	3	2	KPA	KTD																					
KPB SPJ	1	32.8	1	5	KPA	KTD	KAL	TTD	KPL																		
KPB SPJ	2	31.3	0	7	KPA	KTD	MTD	DM1	RTD	IJK	WR1																
KPB KTD	1	2.6	29	1	KPA																						
KPB MTD	1	7.5	3	2	KPA	KTD																					
KPB MTD	2	28.5	0	5	KPA	KTD	KAL	TTD	DM1																		
KPB TTD	1	17.9	3	3	KPA	KTD	KAL																				
KPB TTD	2	18.1	0	4	KPA	KTD	MTD	DM1																			
KPB TRK	1	2.6	42	2	KPA	KTD																					
KPL TSA	1	11.2	1	1	TTD																						
KPL TSA	2	30.7	0	6	SPJ	WR1	IJK	RTD	DM1	TTD																	
KPL TSB	1	11.2	2	1	TTD																						
KPL TSB	2	30.7	0	6	SPJ	WR1	IJK	RTD	DM1	TTD																	
KPL SPJ	1	3.7	2	0																							
KPL SPJ	2	38.2	0	5	TTD	DM1	RTD	IJK	WR1																		
KPL TTD	1	11.2	17	0																							
KPL TTD	2	30.7	0	5	SPJ	WR1	IJK	RTD	DM1																		
KPL TRK	1	26.5	7	3	TTD	KAL	KTD																				
KPL TRK	2	32.4	4	7	SPJ	WR1	IJK	RTD	DM1	MTD	KTD																
KBA KEB	1	0	6	1	KTD																						
KBA KJR	1	8	2	2	KTD	KPA																					
KBA MSA	1	4.9	2	2	KTD	MTD																					
KBA MSA	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBA MSB	1	4.9	2	2	KTD	MTD																					
KBA MSB	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBA MSC	1	4.9	2	2	KTD	MTD																					
KBA MSC	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBA MSD	1	4.9	3	2	KTD	MTD																					
KBA MSD	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBA RKA	1	14.5	1	4	KTD	MTD	DM1	RTD																			
KBA RKA	2	44.4	0	8	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD															
KBA RKB	1	14.5	2	4	KTD	MTD	DM1	RTD																			
KBA RKB	2	44.4	0	8	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD															
KBA TSA	1	15.3	2	3	KTD	KAL	TTD																				
KBA TSA	2	15.5	0	4	KTD	MTD	DM1	TTD																			
KBA TSB	1	15.3	2	3	KTD	KAL	TTD																				
KBA TSB	2	15.5	0	4	KTD	MTD	DM1	TTD																			

FILE:B:2MD-SB-3.SLK
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (6/10)

SECTION	ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KBA PRK	1	3.2	2	1	KTD																						
KBA KTD	1	0	9	0																							
KBA TTD	1	15.3	1	2	KTD	KAL																					
KBA TTD	2	15.5	0	3	KTD	MTD	DM1																				
KBA TRK	1	0	15	1	KTD																						
KBB KJR	1	8	4	2	KTD	KPA																					
KBB MSA	1	4.9	3	2	KTD	MTD																					
KBB MSA	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBB MSB	1	4.9	4	2	KTD	MTD																					
KBB MSB	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBB MSC	1	4.9	4	2	KTD	MTD																					
KBB MSC	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBB MSD	1	4.9	5	2	KTD	MTD																					
KBB MSD	2	25.9	0	5	KTD	KAL	TTD	DM1	MTD																		
KBB RKA	1	14.5	2	4	KTD	MTD	DM1	RTD																			
KBB RKA	2	44.4	0	8	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD															
KBB RKB	1	14.5	3	4	KTD	MTD	DM1	RTD																			
KBB RKB	2	44.4	0	8	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD															
KBB TSA	1	15.3	3	3	KTD	KAL	TTD																				
KBB TSA	2	15.5	0	4	KTD	MTD	DM1	TTD																			
KBB TSB	1	15.3	4	3	KTD	KAL	TTD																				
KBB TSB	2	15.5	0	4	KTD	MTD	DM1	TTD																			
KBB PRK	1	3.2	3	1	KTD																						
KBB KTD	1	0	20	0																							
KBB TTD	1	15.3	1	2	KTD	KAL																					
KBB TTD	2	15.5	0	3	KTD	MTD	DM1																				
KBB TRK	1	0	35	1	KTD																						
KJR KTD	1	8	47	1	KPA																						
KJR TRK	1	8	32	2	KPA	KTD																					
MNR MSA	1	6.9	3	1	MTD																						
MNR MSB	1	6.9	4	1	MTD																						
MNR MSC	1	6.9	4	1	MTD																						
MNR MSD	1	6.9	5	1	MTD																						
MNR RKA	1	16.5	2	3	MTD	DM1	RTD																				
MNR RKA	2	56.2	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MNR RKB	1	16.5	5	3	MTD	DM1	RTD																				
MNR RKB	2	56.2	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MNR TSA	1	17.5	3	3	MTD	DM1	TTD																				
MNR TSA	2	27.1	0	4	MTD	KTD	KAL	TTD																			
MNR TSB	1	17.5	4	3	MTD	DM1	TTD																				
MNR TSB	2	27.1	0	4	MTD	KTD	KAL	TTD																			
MNR KTD	1	11.8	4	1	MTD																						
MNR KTD	2	32.8	0	4	MTD	DM1	TTD	KAL																			
MNR MTD	1	6.9	33	0																							
MNR TTD	1	17.5	2	2	MTD	DM1																					
MNR TTD	2	27.1	0	3	MTD	KTD	KAL																				
MNR TRK	1	11.8	18	2	MTD	KTD																					
MNR TRK	2	32.8	18	5	MTD	DM1	TTD	KAL	KTD																		

FILE:B:2MD-SB-4.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (7/10)

SECTION		ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
MSA	MSB	1	0	6	1	MTD																						
MSA	MSC	1	0	6	1	MTD																						
MSA	MSD	1	0	7	1	MTD																						
MSA	RKA	1	9.6	1	3	MTD	DM1	RTD																				
MSA	RKA	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSA	RKB	1	9.6	2	3	MTD	DM1	RTD																				
MSA	RKB	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSA	TSA	1	10.6	2	3	MTD	DM1	TTD																				
MSA	TSA	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSA	TSB	1	10.6	3	3	MTD	DM1	TTD																				
MSA	TSB	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSA	MTD	1	0	11	0																							
MSA	TRK	1	4.9	12	2	MTD	KTD																					
MSA	TRK	2	25.9	11	5	MTD	DM1	TTD	KAL	KTD																		
MSB	MSC	1	0	9	1	MTD																						
MSB	MSD	1	0	12	1	MTD																						
MSB	RKA	1	9.6	2	3	MTD	DM1	RTD																				
MSB	RKA	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSB	RKB	1	9.6	3	3	MTD	DM1	RTD																				
MSB	RKB	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSB	TSA	1	10.6	3	3	MTD	DM1	TTD																				
MSB	TSA	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSB	TSB	1	10.6	4	3	MTD	DM1	TTD																				
MSB	TSB	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSB	MTD	1	0	18	0																							
MSB	TRK	1	4.9	19	2	MTD	KTD																					
MSB	TRK	2	25.9	19	5	MTD	DM1	TTD	KAL	KTD																		
MSC	MSD	1	0	12	1	MTD																						
MSC	RKA	1	9.6	2	3	MTD	DM1	RTD																				
MSC	RKA	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSC	RKB	1	9.6	3	3	MTD	DM1	RTD																				
MSC	RKB	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSC	TSA	1	10.6	3	3	MTD	DM1	TTD																				
MSC	TSA	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSC	TSB	1	10.6	4	3	MTD	DM1	TTD																				
MSC	TSB	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSC	MTD	1	0	18	0																							
MSC	TRK	1	4.9	19	2	MTD	KTD																					
MSC	TRK	2	25.9	19	5	MTD	DM1	TTD	KAL	KTD																		
MSD	RKA	1	9.6	2	3	MTD	DM1	RTD																				
MSD	RKA	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSD	RKB	1	9.6	4	3	MTD	DM1	RTD																				
MSD	RKB	2	49.3	0	9	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK	RTD														
MSD	TSA	1	10.6	3	3	MTD	DM1	TTD																				
MSD	TSA	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSD	TSB	1	10.6	4	3	MTD	DM1	TTD																				
MSD	TSB	2	20.2	0	4	MTD	KTD	KAL	TTD																			
MSD	MTD	1	0	23	0																							

FILE:B:2MD-SB-4.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (8/10)

SECTION		ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
MSD	TTD	1	10.6	2	2	MTD	DM1																					
MSD	TTD	2	20.2	0	3	MTD	KTD	KAL																				
MSD	RTD	1	9.6	4	2	MTD	DM1																					
MSD	RTD	2	49.3	0	8	MTD	KTD	KAL	TTD	KPL	SPJ	WR1	IJK															
MSD	TRK	1	4.9	24	2	MTD	KTD																					
MSD	TRK	2	25.9	24	5	MTD	DM1	TTD	KAL	KTD																		
RKA	RKB	1	0	7	1	RTD																						
RKA	RK2	1	5	1	1	RTD																						
RKA	TSA	1	12.8	1	3	RTD	DM1	TTD																				
RKA	TSA	2	29.1	0	6	RTD	IJK	WR1	SPJ	KPL	TTD																	
RKA	TSB	1	12.8	2	3	RTD	DM1	TTD																				
RKA	TSB	2	29.1	0	6	RTD	IJK	WR1	SPJ	KPL	TTD																	
RKA	WR1	1	7.2	3	2	RTD	IJK																					
RKA	WR1	2	34.7	0	5	RTD	DM1	TTD	KPL	SPJ																		
RKA	WR2	1	12.3	3	3	RTD	IJK	WR1																				
RKA	WR2	2	39.8	0	6	RTD	DM1	TTD	KPL	SPJ	WR1																	
RKA	KRY	1	42.2	1	4	RTD	DM1	MTD	KTD																			
RKA	KRY	2	72.1	0	8	RTD	IJK	WR1	SPJ	KPL	TTD	KAL	KTD															
RKA	SDA	1	21	2	3	RTD	IJK	WR1																				
RKA	SDA	2	48.5	0	6	RTD	DM1	TTD	KPL	SPJ	WR1																	
RKA	SDG	1	26	2	4	RTD	IJK	WR1	SDA																			
RKA	SDG	2	53.5	0	7	RTD	DM1	TTD	KPL	SPJ	WR1	SDA																
RKA	TTD	1	12.8	2	2	RTD	DM1																					
RKA	TTD	2	29.1	0	5	RTD	IJK	WR1	SPJ	KPL																		
RKA	RTD	1	0	6	0																							
RKA	TRK	1	14.5	8	4	RTD	DM1	MTD	KTD																			
RKA	TRK	2	44.4	7	8	RTD	IJK	WR1	SPJ	KPL	TTD	KAL	KTD															
RKB	RK2	1	5	3	1	RTD																						
RKB	TSA	1	12.8	3	3	RTD	DM1	TTD																				
RKB	TSA	2	29.1	0	6	RTD	IJK	WR1	SPJ	KPL	TTD																	
RKB	TSB	1	12.8	4	3	RTD	DM1	TTD																				
RKB	TSB	2	29.1	0	6	RTD	IJK	WR1	SPJ	KPL	TTD																	
RKB	WR1	1	7.2	6	2	RTD	IJK																					
RKB	WR1	2	34.7	0	5	RTD	DM1	TTD	KPL	SPJ																		
RKB	WR2	1	12.3	6	3	RTD	IJK	WR1																				
RKB	WR2	2	39.8	0	6	RTD	DM1	TTD	KPL	SPJ	WR1																	
RKB	WR1	3	7.2	0	2	RTD	IJK																					
RKB	SDA	1	21	3	3	RTD	IJK	WR1																				
RKB	SDA	2	48.5	0	6	RTD	DM1	TTD	KPL	SPJ	WR1																	
RKB	SDG	1	26	4	4	RTD	IJK	WR1	SDA																			
RKB	SDG	2	53.5	0	7	RTD	DM1	TTD	KPL	SPJ	WR1	SDA																
RKB	RTD	1	0	16	0																							
RKB	TRK	1	14.5	19	4	RTD	DM1	MTD	KTD																			
RKB	TRK	2	44.4	16	8	RTD	IJK	WR1	SPJ	KPL	TTD	KAL	KTD															
RK2	TTD	1	17.8	1	2	RTD	DM1																					
RK2	TTD	2	34.1	0	5	RTD	IJK	WR1	SPJ	KPL																		
RK2	RTD	1	5	18	0																							
RK2	TRK	1	19.5	7	4	RTD	DM1	MTD	KTD																			
RK2	TRK	2	49.4	4	8	RTD	IJK	WR1	SPJ	KPL	TTD	KAL	KTD															

FILE:8:2MD-SB-S.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (9/10)

SECTION		ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
TSA	TSB	1	0	8	1	TTD																						
TSA	TTD	1	0	12	0																							
TSA	TRK	1	15.3	11	3	TTD	KAL	KTD																				
TSA	TRK	2	15.5	10	4	TTD	DM1	MTD	KTD																			
TSB	SPJ	1	14.9	2	2	TTD	KPL																					
TSB	SPJ	2	27	0	5	TTD	DM1	RTD	IJK	WR1																		
TSB	TTD	1	0	17	0																							
TSA	TRK	1	15.3	16	3	TTD	KAL	KTD																				
TSA	TRK	2	15.5	16	4	TTD	DM1	MTD	KTD																			
PRK	KTD	1	3.2	18	0																							
PRK	TRK	1	3.2	12	1	KTD																						
WR1	WR2	1	5.1	6	0																							
WR1	KRY	1	49.4	2	5	IJK	RTD	DM1	MTD	KTD																		
WR1	KRY	2	64.9	0	5	SPJ	KPL	TTD	KAL	KTD																		
WR1	SDA	1	13.8	3	0																							
WR1	SDG	1	18.8	3	1	SDA																						
WR1	TTD	1	21.9	3	2	SPJ	KPL																					
WR1	TTD	2	20	0	3	IJK	RTD	DM1																				
WR1	RTD	1	7.2	15	1	IJK																						
WR1	RTD	2	34.7	14	4	SPJ	KPL	TTD	DM1																			
WR1	TRK	1	21.7	14	5	IJK	RTD	DM1	MTD	KTD																		
WR1	TRK	2	37.2	12	5	SPJ	KPL	TTD	KAL	KTD																		
WR2	KRY	1	54.5	2	6	WR1	IJK	RTD	DM1	MTD	KTD																	
WR2	KRY	2	70	0	6	WR1	SPJ	KPL	TTD	KAL	KTD																	
WR2	SDA	1	18.9	3	1	WR1																						
WR2	SDG	1	23.9	4	2	WR1	SDA																					
WP2	TTD	1	27	3	3	WR1	SPJ	KPL																				
WR2	TTD	2	25.1	0	4	WR1	IJK	RTD	DM1																			
WR2	RTD	1	12.3	16	2	WR1	IJK																					
WP2	RTD	2	39.8	15	5	WR1	SPJ	KPL	TTD	DM1																		
WR2	TRK	1	26.8	16	6	WR1	IJK	RTD	DM1	MTD	KTD																	
WP2	TRK	2	42.3	12	6	WR1	SPJ	KPL	TTD	KAL	KTD																	
SPJ	KTD	1	30.2	1	3	KPL	TTD	KAL																				
SPJ	KTD	2	28.7	0	5	WR1	IJK	RTD	DM1	MTD																		
SPJ	TTD	1	14.9	7	1	KPL																						
SPJ	TTD	2	27	7	4	WR1	IJK	RTD	DM1																			
SPJ	RTD	1	14.2	3	2	WR1	IJK																					
SPJ	RTD	2	27.7	0	3	KPL	TTD	DM1																				
SPJ	TRK	1	30.2	6	4	KPL	TTD	KAL	KTD																			
SPJ	TRK	2	28.7	4	6	WR1	IJK	RTD	DM1	MTD	KTD																	
KRY	SDA	1	63.2	2	6	KTD	MTD	DM1	RTD	IJK	WR1																	
KRY	SDA	2	78.7	0	6	KTD	KAL	TTD	KPL	SPJ	WR1																	
KRY	SDG	1	68.2	2	7	KTD	MTD	DM1	RTD	IJK	WR1	SDA																
KRY	SDG	2	83.7	0	7	KTD	KAL	TTD	KPL	SPJ	WR1	SDA																

FILE:B:2MD-SB-5.PRN
TABLE 4BR-2 CIRCUIT ROUTING IN SURABAYA JUNCTION (10/10)

SECTION		ROUTE NO.	LENGTH	NO.OF 2MB	NO.OF REP	REP-1	REP-2	REP-3	REP-4	REP-5	REP-6	REP-7	REP-8	REP-9	REP-10	REP-11	REP-12	REP-13	REP-14	REP-15	REP-16	REP-17	REP-18	REP-19	REP-20	REP-21	REP-22	REP-23
KRY	KTD	1	27.7	1	0																							
KRY	TTD	1	43	1	2	KTD	KAL																					
KRY	TTD	2	43.2	8	3	KTD	MTD	DM1																				
KRY	RTD	1	42.2	7	3	KTD	MTD	DM1																				
KRY	RTD	2	72.1	4	7	KTD	KAL	TTD	KPL	SPJ	WR1	IJK																
KRY	TRK	1	27.7	8	1	KTD																						
SDA	SDG	1	5	4	0																							
SDA	KTD	1	35.5	1	5	WR1	IJK	RTD	DM1	MTD																		
SDA	KTD	2	51	0	5	WR1	SPJ	KPL	TTD	KAL																		
SDA	TTD	1	35.7	2	3	WR1	SPJ	KPL																				
SDA	TTD	2	33.8	0	4	WR1	IJK	RTD	DM1																			
SDA	RTD	1	21	11	2	WR1	IJK																					
SDA	RTD	2	48.5	11	5	WR1	SPJ	KPL	TTD	DM1																		
SDA	TRK	1	35.5	11	6	WR1	IJK	RTD	DM1	MTD	KTD																	
SDA	TRK	2	51	10	6	WR1	SPJ	KPL	TTD	KAL	KTD																	
SDG	KTD	1	40.5	2	6	SDA	WR1	IJK	RTD	DM1	MTD																	
SDG	KTD	2	56	0	6	SDA	WR1	SPJ	KPL	TTD	KAL																	
SDG	TTD	1	40.7	3	4	SDA	WR1	SPJ	KPL																			
SDG	TTD	2	38.8	0	5	SDA	WR1	IJK	RTD	DM1																		
SDG	RTD	1	26	15	3	SDA	WR1	IJK																				
SDG	RTD	2	53.5	14	6	SDA	WR1	SPJ	KPL	TTD	DM1																	
SDG	TRK	1	40.5	14	7	SDA	WR1	IJK	RTD	DM1	MTD	KTD																
SDG	TRK	2	56	12	7	SDA	WR1	SPJ	KPL	TTD	KAL	KTD																
KTD	MTD	1	4.9	15	0																							
KTD	MTD	2	25.9	12	3	KAL	TTD	DM1																				
KTD	TTD	1	15.3	23	1	KAL																						
KTD	TTD	2	15.5	22	2	MTD	DM1																					
KTD	RTD	1	14.5	26	2	MTD	DM1																					
KTD	RTD	2	44.4	24	6	KAL	TTD	KPL	SPJ	WR1	IJK																	
MTD	TTD	1	10.6	17	1	DM1																						
MTD	TTD	2	20.2	16	2	KTD	KAL																					
MTD	RTD	1	9.6	24	1	DM1																						
MTD	RTD	2	49.3	20	7	KTD	KAL	TTD	KPL	SPJ	WR1	IJK																
TTD	RTD	1	12.8	30	1	DM1																						
TTD	RTD	2	29.1	28	4	KPL	SPJ	WR1	IJK																			

TABLE 4C-1 DIGITAL TRANSMISSION SYSTEM IN WITEL-I

FILE : TR-SYS01.WK1

SC	PC	LE	EXISTING FACILITY			DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT		CIRCUIT	2MB/S	NO. OF 2M	SYSTEM	NO. OF 2M	
MDN	MDN CEN. BALAI KOTA		128			TC, SC		266	138	M/W	266	BACKBONE
			44	6G-140M	TRANS-SUM	JKT						
			4	6G-140M	TRANS-SUM	BD						
			12	6G-140M	TRANS-SUM	SBY						
			4	6G-140M	TRANS-SUM	CBN						
			4	6G-140M	TRANS-SUM	PWT						
			4	6G-140M	TRANS-SUM	SM						
			4	6G-140M	TRANS-SUM	SLO						
			4	6G-140M	TRANS-SUM	YK						
			4	6G-140M	TRANS-SUM	PG						
			8	6G-140M	TRANS-SUM	PD						
			20	6G-140M	TRANS-SUM	PMS						
			4	6G-140M	TRANS-SUM	LHT						
			1	6G-140M	TRANS-SUM	SKN						
			8	6G-140M	TRANS-SUM	SBG						
			3	6G-140M	TRANS-SUM	PBR						
			108 CH	FDM/FM	SATELLITE						108 CH	
			32 CH	TDMA	SATELLITE		77CH		45CH	TDMA	77CH	
			84 CH	SCPC	SATELLITE						84 CH	
			38			PC IN SA		48	24		62	
			36			LE IN PA		18			36	
			16			LE IN OTHER PA					16	
			364			JUNCTION		687	293	FO-620M	697	
		MDN CEN. M. YAMIN	200	FO-140M	TEL-III	JUNCTION		482	282	FO-620M	482	
		MDN CINTADAMAI	88	FO-140M	STDI-2	JUNCTION		92	4	FO-140M	92	
		MDN PADANG BULAN	80	FO-140M	STDI-2	JUNCTION		107	27	FO-620M	107	
		MDN PULAU BRAYAN	52	FO-140M	TEL-III	JUNCTION		63	11	FO-620M	63	
		MDN SIMPANG LIMUN	56	FO-140M	STDI-2, ADB+	JUNCTION		28			56	
		MDN SUKA RAMAI	96	FO-140M	STDI-2, TEL-III	JUNCTION		103	7	FO-620M	103	
		MDN TANJUNG MULIA	28	FO-140M	TEL-III	JUNCTION		48	20	FO-140M	48	
		MDN TUNTUNGAN	8	FO-140M	STDI-2	JUNCTION		68	60	FO-140M	68	
		MDN DENAI				JUNCTION		107	107	FO-620M	107	
		MDN BELAWAN	12	FO-140M	TEL-III	JUNCTION		40	28	FO-140M	40	
		MDN TANJUNG MORAWA	16	FO-140M	ADB+	JUNCTION		47	31	FO-140M	47	

TABLE 4C-1 DIGITAL TRANSMISSION SYSTEM IN WITEL-I

FILE : TR-SYS01.WK1

SC	PC	LE	EXISTING FACILITY				REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUIT	2MB/S	NO. OF 2M	SYSTEM	NO. OF 2M	
		BINJAI KUALA	24	FO-140M	CH-EXPANSION		346	12			24	
		STABAT	4	FO-34M	CH-EXPANSION		54	2			4	
			12 CH	SCPC	SBK							
		TANJUNG PURA	4	FO-34M	CH-EXPANSION		44	2			4	
		KUALA	4	2G-8M	CH-EXPANSION		34	2			4	
			12 CH	SCPC	SBK							
	P.SIANTAR		20	6G-140M	TRNS-SUM	MDN	442	15			20	
			20			PC IN MDN SA					20	
			4			LE IN PA		7	5		9	
			4			LE IN OTHER PA					4	
						JUNCTION		13	13	FO-34M	13	
		RAMBUNG MERAH				JUNCTION	384	13	13	FO-34M	13	
		RAJA (RAYA) (NEW)					14	1	1	2G-17M	1	VIA DSM
		SEBERLAWAN (NEW)					22	1	1	2G-17M	1	
		PERDAGANGAN	4	2G-34M	JUNCTION-TR		50	2			4	
		TANJUNG GADING					82	3	3	2G-17M	3	VIA PDN
	TEBING TINGGI					MDN	162	6	6	6G-155M	6	
			8	2G-34M	JUNCTION-TR	PMS					8	
			8	2G-34M	JUNCTION-TR	KIS					8	
			4			LE IN PA		9	8		12	
		SIBOLANGIT				TBT	20	1	1	2G-17M	1	TO UTILIZE EXIST
			4	2G-8M	SPUR-KFW	MDN	20				4	
			8	2G-17M	REMOTE-3	MDN			-1		7	
		PERBAUNGAN	4	2G-34M	JUNCTION-TR	TBT	22	1			4	
		GALANG				TBT	26	1	1	FO-34M	1	VIA LBP
		LUBUK PAKAM				TBT	150	5	5	2G-34M	5	EXISTING ROUTE
			4	2G-34M	MDN-LBP	MDN					4	
		SIPISPIS		OPEN WIRE		TBT	20	1	1	2G-17M	1	
	KISARAN					MDN	260	9	9	6G-155M	9	
			2	2G-17M	REMOTE-2	PMS					2	
			4	2G-34M	JUNCTION-TR	PMS					4	
			8	2G-34M	JUNCTION-TR	TBT					8	
			2			LE IN PA		9	7		9	

TABLE 4C-1 DIGITAL TRANSMISSION SYSTEM IN WITEL-I

FILE : TR-SYS01.WK1

SC	PC	LE	EXISTING FACILITY				REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUIT	2MB/S	NO. OF 2M	SYSTEM	NO. OF 2M	
		LABUHAN LUKA		UHF			30	1	1	2G-17M	1	
		PULAU RAKYAT					16	1	1	2G-17M	1	VIA GDL. AKP
		TANJUNG BALAI	2	2G-17M	REMOTE-2		204	7	5	2G-17M	7	
	RANTAU PRAPAT		2	2G-8M	REMOTE-2	MDN	94	4	2	8G-155M	4	TO REPLACE EXIST
			2	2G-8M	REMOTE-2	PMS					2	
			3			LE IN PA		8	6		9	
		AEK KANOPAN	12 CH	SCPC	SBK		32	2	2	2G-17M	2	
		AEK NABARA	1	1.5G-8M	REMOTE-2		30	1		2G-8M	1	TO EXPAND SYSTEM
		KOTA PINANG	2	1.5G-8M	REMOTE-2		26	1			2	
			12 CH	SCPC	SBK							
		LABUHAN BILIK					24	1	1	2G-17M	1	
		NEGERI LAMA					12	1	1	2G-17M	1	
		LANGA PAYUNG					16	1	1	2G-17M	1	
		MERBAU					14	1	1	2G-17M	1	
	PARAPAT					MDN	40	2	2	2G-8M	2	TO UTILIZE EXIST
			4	2G-8M	TRANS-SUM	PMS			-2		2	
	PANGURURAN		12 CH	SCPC	SBK		22	1	1	2G-17M	1	
	SIDIKALANG		2	1.5G-8M	REMOTE-2	MDN	52	2			2	
			8			LE IN PA					8	
		SUBUSSALAM	8	2G-17M	REMOTE-3						8	
	KABANJAE		12	2G-34M	TRANS-SUN	MDN	90	3			12	
			6	2G-17M	REMOTE-3	KUTACANE			-1		5	TO UTILIZE FOR BKJ
						LE IN PA		3	3		3	
		TIGA BINANGA					20	1	1	2G-17M	1	
		BRASTAGI					48	2	2	2G-34M	2	EXISTING ROUTE
			4	2G-34M	TRANS-SUM	PMS					4	
	KUTA CANE		2	2G-17M	REMOTE-3	MDN	58	2			2	
			6	2G-17M	REMOTE-3	KBJ			-1		5	TO UTILIZE FOR BKJ
			29 CH	SCPC	SATELLITE							
	PANGKALAN BRANDAN					MDN	92	4	4	8G-155M	4	
						LE IN PA		3	3		3	
		PANGKALAN SUSU					24	1	1	FO-34M	3	
							38	2	2		LOCAL	

TABLE 4C-1 DIGITAL TRANSMISSION SYSTEM IN WITEL-1

FILE : TR-SYS01.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUIT	2MB/S	EXPANSION NO. OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
SBG	SIBOLGA		8			TC, SC		48	40	8G-155M	48	BACKBONE
			8	2G-34M	TRANS-SUM	MDN						
			7			PC IN SA		13	5		12	
			4			LE IN PA		2	1	6G-155M	5	
		SORKAM (NEW)					8	1	1	FO-34M	1	VIA 2ND TR-SUM
		DOLOK SANGGUL	4	2G-8M	TRANS-SUM		30	1			4	
	BALIGE		4	7G-8M	TRANS-SUM	SBG	48	2			4	
			12 CH	SCPC	SBK							
						LE IN PA		2	2	2G-17M	2	
		PORSEA		OPEN WIRE			32	2	2	2G-17M	2	
	TARUTUNG		1	1.5G-8M	REMOTE-2	SBG	80	3	2	1.5G-8M	3	
			4			LE IN PA		1			4	
		SIBORONG BORONG	4	2G-8M	SPUR-KFW		20	1			4	
	PADANG SIDEMPUAN		2	1.5G-8M	REMOTE-2	SIBOLGA	72	3	1	1.5G-8M	3	
						LE IN PA		1	1	2G-17M	1	
		BATANG TORU					24	1	1	2G-17M	1	
	PENYABUNGAN		12 CH	SCPC	SBK		32	2	2	2G-17M	2	
						LE IN PA		1	1	2G-17M	1	
		KOTA NOPAN					20	1	1	2G-17M	1	
	GUNUNG SITOLI		15 CH	SCPC	SATELLITE		70	3	55 CH	SCPC	70CH	
LSM	LHOKSEUMAWE					TC, SC		79	78	M/W	78	BACKBONE
				ANALOG	MDN-BNA	MDN						
				ANALOG	MDN-BNA	BNA						
				ANALOG	MDN-BNA	PMS						
				ANALOG	MDN-BNA	OTHER WITEL						
						PC IN SA		16	16		16	
			24			LE IN PA		25	19		43	
		ARUN					512	18	18		18	
		GEDONG	16	2G-34M	REMOTE-3		50	2			16	
		MATANGKULI					30	1	1	2G-17M	1	
		LHOKSUKON	4	2G-8M	PCM-II(SIE)		64	3		2G-8M	4	TO EXPAND SYSTEM
			4	2G-17M	REMOTE-3	PANTONLABU					4	
		PANTONLABU	4	2G-17M	REMOTE-3	LSM	60	2	-1		3	
			4	2G-17M	REMOTE-3	LSK					4	

TABLE 4C-1 DIGITAL TRANSMISSION SYSTEM IN WITEL-I

FILE : TR-SYS01.WK1

SC	PC	LE	EXISTING FACILITY				REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUIT	2MB/S	NO. OF 2M	SYSTEM	NO. OF 2M	
	LANGSA			ANALOG	MDN-BNA	LSM	184	7	7	6G-155M	7	
						LE IN PA		3	3		3	
		KUALA SIMPANG					56	2	2	2G-17M	2	
		PEUREULAK					26	1	1	2G-17M	1	
	BLANG KEJEREN		12 CH	SCPC	SBK		12	1	1	2G-17M	1	MDN
	TAKENGON					LSM	80	3	3	2G-17M	3	VIA BIR
			17 CH	SCPC	SATELLITE							
	BIREUN			ANALOG	MDN-BNA	LSM	68	3	3	6G-155M	3	
						LE IN PA		2	2		2	
		MATANGLUMPANG DUA					26	1	1	2G-8M	1	TO UTILIZE EXIST
			4	2G-8M	PCM-II(SIE)	MDN			-1		3	
		SAMALANGA					20	1	1	2G-17M	1	VIA MRD, CLCT
	IDI			ANALOG	MDN-BNA	LSM	52	2	2	6G-155M	2	
BNA	BANDA ACEH					TC, SC		62	62	M/W	62	BACKBONE
				ANALOG	MDN-BNA	MDN						
				ANALOG	MDN-BNA	LSM						
				ANALOG	MDN-BNA	PMS						
				ANALOG	MDN-BNA	OTHER WITEL						
			38 CH	SCPC	SATELLITE							
			20			PC IN SA		18			20	
			4			LE IN PA		5	4		8	
			32	FO-140M	JUNCTION-TR	JUNCTION		39	7	FO-140M	39	
		DARUSALAM	24	FO-140M	JUNCTION-TR	BNA		19			24	
			4	FO-140M	JUNCTION-TR	LAMTEUMEUN		6	2	FO-140M	6	
		LAMTEUMEN	8	FO-140M	JUNCTION-TR	BNA		20	12	FO-140M	20	
			4	FO-140M	JUNCTION-TR	DARSALAM		6	2	FO-140M	6	
		JANTHOI	12 CH	SCPC	SBK		68	3	3	2G-17M	3	
		SEULIMEUN					20	1	1	2G-17M	1	
		LAMNO JEURAM	4	2G-34M	REMOTE-3	BNA	14	1			4	FO ENTRANCE
	SABANG		8	2G-17M	JUNCTION-TR	BNA	30	1			8	

TABLE 4C-1 DIGITAL TRANSMISSION SYSTEM IN WITEL-I

FILE : TR-SYS01.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUIT	2MB/S	EXPANSION NO. OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
	SIGLI			ANALOG	MDN-BNA	BNA	62	3	3	6G-155M	3	
						LE IN PA		2	2		2	
		MEUREUDU					26	1	1	FO-34M	1	VIA CLCT
		BEUREUNEUN					30	1	1	2G-17M	1	
	CALANG		4	2G-34M	REMOTE-3	BNA	20	1			4	
			4	2G-34M	REMOTE-3	MEULABOH					4	
			4	2G-34M	REMOTE-3	TAPAK TUAN					4	
			12 CH	SCPC	SBK							
						LE IN PA						
	MEULABOH		4	2G-34M	REMOTE-3	BNA	56	2			4	
			4	2G-34M	REMOTE-3	CALANG					4	
			4	2G-34M	REMOTE-3	TAPAK TUAN					4	
			24 CH	SCPC	SATELLITE							
						LE IN PA		1	1	FO-34M	1	
		JEURAM	12 CH	SCPC	SBK		8	1	1	FO-34M	1	
	TAPAK TUAN		4	2G-34M	REMOTE-3	BNA	52	2			4	
			4	2G-34M	REMOTE-3	CALANG					4	
			4	2G-34M	REMOTE-3	MEULABOH					4	
			12 CH	SCPC	SATELLITE							
	BLANG PIDIE					BNA	28	1	1	6G-155M	1	
			4	2G-34M	REMOTE-3	MEULABOH					4	
	BAKUNGAN		12 CH	SCPC	SBK		20	1	1	6G-155M	1	
	SINGKIL		5 CH	SCPC	SBK		20	1	1	6G-155M	1	
	SINABANG		5 CH	SCPC	SBK		26	1	21 CH	SCPC	26 CH	

TABLE 4C-2 DIGITAL TRANSMISSION SYSTEM IN WITEL-II

FILE : TR-SYS02.WK1

SC	PC	LE	EXISTING FACILITY				REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO.OF 2M	SYSTEM	NO. OF 2M	
PD	PADANG		57			TC, SC		82	25	M/W	82	BACKBONE
			9	6G-140M	TRANS-SUM	MDN						
			24	6G-140M	TRANS-SUM	OTHER WITEL						
			7	6G-34M	CROSS-SUM	PBR						
			2	6G-34M	CROSS-SUM	TPI (PC)						
			18	6G-140M	CROSS-SUM	OTHER WITEL						
			24	CH FDM/FM	SATELLITE							
			48	CH SCPC	SATELLITE							
			11			PC IN SA		21	9		20	
			24			LE IN PA		4	1		25	
						LE IN OTHER PA						
			24	CABLE	TEL-III	JUNCTION		67	67	FO-155M	67	
		PADANG BARAT (NEW)				JUNCTION		60	60	FO-155M	60	
		PADANG UTRA KARANG	24	CABLE	TEL-III	JUNCTION		19	19	FO-155M	19	
		BANDAR BUAT	13	CABLE	TEL-III	PD					13	
		TELUK BAYUR	7	CABLE	TEL-III	PD					7	
		PARIAMAN	3	1.5G-8M	REMOTE-2	PD	98	4	1	1.5G-8M	4	
		LUBUK ALUNG	1	2G-34M	PCM-II (SIE)	PD					1	
	BUKIT TINGGI		9	6G-34M	TRANS-SUM	PD	322	11	3		11	TO UTILIZE EXIST
			8	6G-34M	REMOTE-3	LBS			-3		5	
			16			LE IN PA		18	9		25	
		BATU SANGKAR	2	1.5G-8M	REMOTE-2		114	4	2	1.5G-8M	4	
		LUBUK BASUNG	8	2G-17M	REMOTE-3		26	1			6	
			12	CH SCPC	SBK							
		PADANG PANJANG	3	2G-17M	REMOTE-2		100	4	1	2G-17M	4	
		PAYAKUMBUH	3	1.5G-8M	REMOTE-2		126	5	2	2G-8M	5	TO EXPAND SYSTEM
		SULIKI (NEW)					12	1	1	2G-17M	1	
		SEPULUH KOTO (NEW)					46	2	2	2G-17M	2	
		MANINJAU					26	1	1	2G-17M	1	
	LUBUK SIKAPING					PD	42	2	2	2G-17M	2	TO UTILIZE EXIST
			8	2G-17M	REMOTE-3	BKT			-3		5	
			12	CH SCPC	SATELLITE							
						LE IN PA		1	1	2G-17M	1	
		TALU	12	CH SCPC	SATELLITE		22	1	1	2G-17M	1	

TABLE 4C-2 DIGITAL TRANSMISSION SYSTEM IN WITEL-II

FILE : TR-SYS02.WK1

SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO.OF 2M	SYSTEM	NO. OF 2M	
	SAWAH LUNTO		12 CH	SCPC	SBK	PD	54	2	2	2G-17M	2	
						LE IN PA		3	3	2G-17M	3	
		SUNGAI DAREH				SAWAH LUNTO	22	1	1	2G-17M	1	EXISTING ROUTE
			4	2G-17M	REMOTE-3	SLK			-1		3	
			4	2G-17M	REMOTE-3	SITIUNG					4	
			12 CH	SCPC	SBK							
		SILUNGKANG					58	2	2	2G-17M	2	
		SITIUNG				SAWAH LUNTO						
			4	2G-17M	REMOTE-3	SLK			-2		2	
			4	2G-17M	REMOTE-3	SUNGAI DAREH					4	
	SOLOK		3	1.5G-8M	REMOTE-2	PD	86	3			3	
			4	2G-17M	REMOTE-3	SUNGAI DAREH			-1		3	
			4	2G-17M	REMOTE-3	SITIUNG			-2		2	
						LE IN PA		3	3		3	
		SIJUNJUNG	12 CH	SCPC	SBK	SLK	30	1	1	2G-17M	1	
		ALAHAN PANJANG	12 CH	SCPC	SBK		22	1	1	2G-17M	1	
		MUARA LABUH	12 CH	SCPC	SBK		26	1	1	2G-17M	1	
	PAINAN		24 CH	SCPC	SATELLITE		28	1	1	2G-17M	1	
	BALAI SELASA		12 CH	SCPC	SBK		16	1	1	2G-17M	1	
	MUARA SIBEURAT		5 CH	SCPC	SBK		20	1	15CH	SCPC	20CH	
PBR	PAKANBARU CENTRUM		12			TC, SC		72	60	M/W	72	BACKBONE
			3	6G-34M	CROSS-SUM	MDN						
			7	6G-34M	CROSS-SUM	PDN						
			2	6G-34M	CROSS-SUM	SKN						
			4	6G-34M	CROSS-SUM	TPI (PC)					4	
			84CH	FDM/FM	SATELLITE							
			115CH	SCPC	SATELLITE							
			14			PC IN SA		24	16		30	
						LE IN PA						
			2			LE IN OTHER PA					2	
			24	CABLE	TEL-III	JUNCTION		31	7	FO-155M	31	
		PBR ARENGKA	11	CABLE	TEL-III	JUNCTION		15	4	FO-155M	15	
		PBR RUMBAI	13	CABLE	TEL-III	JUNCTION		22	9	FO-155M	22	

TABLE 4C-2 DIGITAL TRANSMISSION SYSTEM IN WITEL-II

FILE : TR-SYS02.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2MB/S	EXPANSION NO.OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
	BANGKINANG		8	2G-17M	REMOTE-3	PBR	50	2			8	
			12CH	SCPC	SBK							
	SELAT PANJANG		1	6G-34M	CROSS-SUM	PBR	66	3	2	6G-155M	3	TO REPLACE EXIST
	SIAK SRI INDRAPURA		1	6G-34M	CROSS-SUM	PBR	20	1		6G-155M	1	TO REPLACE EXIST
			4	2G-17M	REMOTE-3	BS					4	
			4			LE IN PA					4	
		SEI APIT	4	2G-17M	REMOTE-3						4	
	DUMAI		2	2G-34M	PST-1	PBR	148	5	3	2G-34M	5	
			21CH	SCPC	SATELLITE							
						LE IN PA		3	3	2G-34M	3	
		DURI				DUM	74	3	3	2G-34M	3	EXISTING ROUTE
			2	2G-34M	PST-1	PBR					2	
	BENGKALIS					PBR	46	2	2	2G-8M	2	TO UTILIZE EXIST
			4	2G-8M	REMOTE-3	SAK			-2	2G-8M	2	
			12CH	SCPC	SBK							
	BAGAN SIAPI-API		2	1.5G-8M	REMOTE-2	PBR	74	3	1	1.5G-8M	3	VIA DUMAI
			5CH	SCPC	SBK							
		PULAU HALANG					28	1	1	2G-17M	1	
	TEMBILAHAN		24CH	SCPC	SATELLITE		124	5	5	2G-17M	5	VIA RGT
						LE IN PA		3	3	2G-17M	3	
		SEI KIJANG	5CH	SCPC	SBK		70	3	3	2G-17M	3	
	TELUK KUANTAN		12CH	SCPC	SBK		22	1		2G-17M	1	
	RENGAT		12CH	SCPC	SBK		44	2		6G-155M	2	
						LE IN PA		2		2G-17M	2	
		AIR MOLEK	12CH	SCPC	SBK		34	2		2G-17M	2	

TABLE 4C-2 DIGITAL TRANSMISSION SYSTEM IN WITEL-II

FILE : TR-SYSC2.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2MB/S	EXPANSION NO.OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
SKN	BATAM SEKUPANG		5			TC, SC		98	93	6G-155M	98	
			2	6G - 34M	CROSS-SUM	PBR						
			1	6G - 34M	CROSS-SUM	MDN						
			2	6G - 34M	CROSS-SUM	JKT						
			3			PC IN SA		17	11		14	
			36CH	FDM/FM	SATELLITE						36 CH	
							216 CH		216 CH	TDMA	216 CH	
			36CH	SCPC	SATELLITE						36 CH	
				FO-140M	PBH-BATAM	JUNCTION		126			126	
		BATAM BATU AMPAR		M/W	PBH-BATAM	JUNCTION		75			75	
		BATAM BUKIT DANGAS		M/W	PBH-BATAM	JUNCTION		13			13	
		BATAM CENTRUM		M/W	PBH-BATAM	JUNCTION		62			62	
		BATAM MUKA KUNING		M/W	PBH-BATAM	JUNCTION		47			47	
		BATAM SAGULUNG		M/W	PBH-BATAM	JUNCTION		11			11	
		BATAM BARAT/SKN (NEW)			PBH-BATAM	JUNCTION		68			68	
		BATAM TJ. UNCANG		M/W	PBH-BATAM	JUNCTION		30			30	
	TANJUNG BATU					SKN	112	4	4	2G-8M	4	TO EXPAND SYSTEM
			1	2G-8M	CROSS-SUM	TJ. PINANG					1	
	TANJUNG PINANG		3	6G-34M	CROSS-SUM	SEKUPANG	192	7	4	6G-155M	7	FO ENTRANCE
			4	6G-34M	CROSS-SUM	PBR					4	
			1	6G-34M	CROSS-SUM	TJ. BALAI					1	
			1	6G-34M	CROSS-SUM	TJ. BATU					1	
			2	6G-34M	CROSS-SUM	PADANG					2	
			1	6G-34M	CROSS-SUM	PG					1	
			1			LE IN PA		2	1	2G-8M	2	
		TANJUNG UBAN	1	2G-8M	CROSS-SUM		56	2	1	2G-8M	2	
	RANAI (P. NATUNA)		5CH	SCPC	SBK		12	1	7 CH	SCPC	12 CH	
	DABO SINGKEP		7CH	SCPC	SBK		36	2	29 CH	SCPC	36 CH	
	TANJUNG BALAI KARIMU					SKN	68	3	3	2G-8M	3	TO UTILIZE EXIST
			1	2G-8M	CROSS-SUM	TJ. PINANG					1	

TABLE 4C-3 DIGITAL TRANSMISSION SYSTEM IN WITEL-III

FILE : TR-SYSC3.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2MB/S	EXPANSION NO.OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
PG	PG CENTRUM		80			TC, SC		105	25	M/W	105	BACKBONE
			4	6G-140M	TRANS&X-SUM	MDN						
			4	6G-140M	TRANS&X-SUM	PDN						
			4	6G-140M	TRANS&X-SUM	SKN						
			4	6G-140M	TRANS&X-SUM	PBR						
			4	6G-140M	TRANS&X-SUM	LT						
			4	6G-140M	TRANS&X-SUM	TJK						
			4	6G-140M	TRANS&X-SUM	JB						
			4	6G-140M	TRANS&X-SUM	TPI (PC)						
			24	6G-140M	TRANS&X-SUM	JKT						
			4	6G-140M	TRANS&X-SUM	BD						
			4	6G-140M	TRANS&X-SUM	PWT						
			4	6G-140M	TRANS&X-SUM	CBN						
			4	6G-140M	TRANS&X-SUM	SLO (PC)						
			4	6G-140M	TRANS&X-SUM	YKT						
			4	6G-140M	TRANS&X-SUM	SM						
			8	6G-140M	TRANS&X-SUM	SB						
			28	CH TDMA	SATELLITE		15CH				28CH	
			58	CH SCPC	SATELLITE							
			28			PC IN SA		17	1		29	
			8			PC IN OTHER SA					8	
			8			LE IN PA		1	1		9	
			5			LE IN OTHER PA					5	
			18	11G-140M	PST	JUNCTION		121			132	
			114	FO/11G	REMOTE-3	JUNCTION						
		PG BUKIT SEGUNTANG	35	FO-140M	REMOTE-3	JUNCTION		30			35	
		PG KENTEN UJUNG	16	FO-140M	REMOTE-3	JUNCTION		33	17	FO-140M	33	
		PG SUNGAI BUAH	88	FO-140M	REMOTE-3	JUNCTION		56			88	
		PG TALANG KELAPA	12	FO-140M	REMOTE-3	JUNCTION		33	21	FO-140M	33	
		PG SEBERANG ULU	17	11G-140M	PST	JUNCTION		61	8	11G-140M	61	
			36	11G-140M	REMOTE-3	JUNCTION						
		SUNGAI PAIT					8	1	1	2G-17M	1	
		SUNGSANG	*8*	*6G-140M*	*REMOTE-3*						8	
	KAYU AGUNG		4	2G-8M	TRANS-SUM	PG	34	2			4	
						LE IN PA		1	1	FO-34M	1	
		TJ. RAJA (NEW)					22	1	1	FO-34M	1	

TABLE 4C-3 DIGITAL TRANSMISSION SYSTEM IN WITEL-III

FILE : TR-SYS03.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2MB/S	EXPANSION NO.OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
	PRABUMULIH		2	CABLE	REMOTE-2	PG	76	3			3	
									3	FO-34M		
						LE IN PA		1			1	
		PENDOPO	1	1.5G-8M	REMOTE-2	PG					1	
			12 CH	SCPC	SBK						12 CH	
	SEKAYU		2	1.5G-8M	REMOTE-2	PG	40	2			2	
			5 CH	SCPC	SBK						5 CH	
		BANYUASIN III (NEW)					28	1	1	2G-17M	1	PG
	PANGKAL PINANG		16	6G-140M	REMOTE-3	PG	206	7			16	
			4	6G-140M	REMOTE-3	TJN					4	
			60 CH	SCPC	SATELLITE						60 CH	
			12			LE IN PA		10	6		18	
		SUNGAI LIAT			PCM-PH4		139	5	5	2G-17M	5	
		KOBA	4	2G-34M	REMOTE-3			4			4	
			4	2G-34M	REMOTE-3	PG					4	
			8	2G-34M	REMOTE-3	TUBOALI			-1		7	
		MENTOK	8	6G-140M	REMOTE-3						8	
			12 CH	SCPC	SBK						12 CH	
		TOBOALI					22	1	1	2G-34M	1	TO UTILIZE EXIST.
			8	2G-34M	REMOTE-3	KOBA			-1		7	
			4	2G-34M	REMOTE-3	TJN	134				4	
	TJ. PANDAN		4	2G-34M	REMOTE-3	PG	74	3			4	
			4	2G-34M	REMOTE-3	PANGKAL PINANG					4	
			4	2G-34M	REMOTE-3	TUBOALI					4	
			24 CH	SCPC	SATELLITE							
						LE IN PA						
		MANGAR	12 CH	SCPC	SBK							
TJK	TJK CENTRUM		24			TC, SC		83	59	M/W	83	BACKBONE
			4	6G-140M	TRANS-SUM	PG						
			8	6G-140M	TRANS-SUM	MET (PC)						
			4	6G-140M	TRANS-SUM	MGL (PC)						
			18	6G-140M	TRANS-SUM	JKT						
			2	6G-140M	TRANS-SUM	SBY						
			27 CH	SCPC	SATELLITE							
			10			PC IN SA		14	7		17	
						LE IN PA		1	1		1	
			4			LE IN OTHER PA					4	
			44			JUNCTION		93	49	FO/11G	93	

TABLE 4C-3 DIGITAL TRANSMISSION SYSTEM IN WITEL-III

FILE : TR-SYS03.WK1

SC	PC	LE	EXISTING FACILITY NO.OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2MB/S	EXPANSION NO.OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
		GEDONG TATAAN					24	1	1	2G-17M	1	
		TJK KEDATON	16	FO-140M	REMOTE-3	JUNCTION		42	26	FO-140M	42	
		TJK SRIBAWONO	4	2G-8M	TEL-III	JUNCTION		26	22	11G-155M	26	
		TJK TELUK BETUNG	60	FO-140M	REMOTE-3	JUNCTION		74	14	FO-140M	74	
		PANJANG (DLU)	13	CABLE		JUNCTION		31	31	FO-155M	31	TO REPLACE EXIST
	KOTA AGUNG		12 CH	SCPC	SBK		40	2	2	2G-17M	2	
			8			LE IN PA		9	3		11	
		NATAR	8	2G-34M	REMOTE-3	TJK					8	
		PERING SEWU				KTA	40	2	2	2G-8M	2	TO UTILIZE EXIST
			4	2G-8M	REMOTE-3	TJK			- 2		2	
			12 CH	SCPC	SBK							
		TALANG PADANG				KTA	26	1	1	2G-17M	1	
			4	2G-8M	REMOTE-3	TJK			- 2		2	
	LIWA		12 CH	SCPC	SBK		36	2	2	2G-17M	2	
						LE IN PA		3	3	2G-17M	3	
		KRUI	5 CH	SCPC	SBK		44	2	2	FO-34M	2	
		BUKIT KEMUNING (NEW)					16	1	1	2G-17M	1	
	KOTA BUMI		2	1.5G-8M	REMOTE-2		82	3	1	1.5G-8M	3	
						LE IN PA		1	1	2G-17M	1	
		MANGGALA	12 CH	SCPC	SBK		14	1	1	2G-17M	1	
	METRO		8	2G-34M	TRANS-SUM		126	5			8	
						LE IN PA		3	3		3	
		BANDAR JAYA				MET	30	1	1	2G-17M	1	TO UTILIZE EXIST
			8	2G-17M	REMOTE-3	TJK			- 2		6	
			12 CH	SCPC	SBK							
		TERBANGGI BESAR (NEW)					14	1	1	FO-34M	1	
		SUKADANA (NEW)					19	1	1	2G-17M	1	
	KALIANDA		12 CH	SCPC	SBK		30	1	1	FO-34M	1	
LHT	LAHAT		16			TC, SC		88	72	M/W	88	BACKBONE
			4	6G-140M	CROSS-SUM	PG						
			9	6G-140M	CROSS-SUM	JKT						
			4	6G-140M	CROSS-SUM	MDN						
			1 CH	SCPC	SBK							
			14	6G-140M	CROSS-SUM	PC IN SA		52	35		52	
			4	6G-140M	CROSS-SUM	LE IN PA		7	4		8	
			4			LE IN OTHER PA			- 3		1	

TABLE 4C-3 DIGITAL TRANSMISSION SYSTEM IN WITEL-III

FILE : TR-SYS03.WK1

SC	PC	LE	EXISTING FACILITY				REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI	REMARKS
			NO.OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO.OF 2M	SYSTEM	NO. OF 2M	
		PENDOPO					18	1	1	2G-17M	1	
		PAGAR ALAM	2	1.5G-8M	REMOTE-2		110	4	2	1.5G-8M	4	
		TEBING TINGGI	1	2G-34M	CROSS-SUM		38	2	1	2G-34M	2	
		TEBING TINGGI KOTA	1	2G-34M	CROSS-SUM						1	
			3	2G-34M	CROSS-SUM	FOR TBT REP					3	
	CURUP		3	2G-17M	REMOTE-2	LHT	192	7	4	6G-155M	7	
			4	2G-34M	CROSS-SUM	BENGKULU					4	
			2			LE IN PA		2			2	
		KAPAHIANG	2	1.5G-8M	REMOTE-2		38	2			2	
	LUBUK LINGGAU		2	2G-34M	CROSS-SUM		120	4	2	6G-155M	4	
			2	2G-34M	CROSS-SUM	FOR TBT REP					2	
						LE IN PA		1	1	2G-34M	1	
		MUARA RUPIT					22	1	1	FO-34M	1	
	MUARA ENIM		4	2G-34M	CROSS-SUM		96	4			4	
						LE IN PA		3	3	2G-34M	3	
		TJ. ENIM				MAE	90	3	3	2G-34M	3	TO UTILIZE EXIST
			4	2G-34M	CROSS-SUM	LHT			-3	2G-34M	1	
	BATURAJA		4	2G-34M	TRANS-SUM		264	9	5	2G-34M	9	TO EXPAND SYSTEM
			4			LE IN PA		11	7		11	
		BELITANG	2	2G-17M	REMOTE-3		142	5	3	2G-17M	5	
			6	2G-17M	REMOTE-3	MARTAPURA			-3		3	
			12 CH	SCPC	SBK							
		MARTAPURA	2	2G-8M	TRANS-SUM		56	2		2G-8M	2	TO EXPAND SYSTEM
			6	6G-17M	REMOTE-3	BELITANG			-3		3	
		MUARA DUA	12 CH	SCPC	SBK		96	4	4	2G-17M	4	
	BENGKULU CENTRUM		4	1.5G-8M	REMOTE-2	LHT	636	22	18	6G-155M	22	
			4	2G-34M	CROSS-SUM	CRP					4	
			4	2G-34M	CROSS-SUM	PG					4	
			84 CH	FDM/FM	SATELLITE							
			50 CH	SCPC	SBK							
						LE IN PA		1	1	6G-155M	1	
			7	CABLE	TEL-III	JUNCTION		32	25	FO-155M	32	
		BN PULAU BEY (NEW)						20	20	FO-155M	20	
		BN PAGARDEWA (NEW)	7	CABLE	TEL-III			20	13	FO-155M	20	
		MUKO MUKO UTARA					20	1	1	2G-17M	1	