

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

FILE: TR-SYS03.WK1									
SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION	END OF
			NO. OF 2M	SYSTEM	PROJECT	CIRCUITS	2MB/S	NO. OF 2M	REPETITION
									NO. OF 2M
ARGAMAKAR				4 2G-8M	TRANS-SUM	LHT	40	2	2 2G-8M
				12 CH SCPC	SBK	BW		-2	2
				12 CH SCPC	SBK		22	1	1 2G-17M
				24 CH SCPC	SATELLITE	LE IN PA	66	3	3 2G-17M
MUARA AMAN									3
								2	2 2G-17M
							24	1	1 2G-17M
							20	1	1 2G-17M
BINTUHAN				5 CH SCPC	SBK				1
TALO									1
JAMBI CENTRUM				8		TC, SC	62	54	62 BACKBONE
				4 6G-140M	TRANS-SUM	PG			
				4 6G-140M	TRANS-SUM	JKT			
				12 8G-140M	TRANS-SUM	PC IN SA	7	3	14
				24 CH SCPC	SATELLITE				
JAMBI KOTABARU				15 CABLE	TEL-III	LE IN PA	1	1	1 2G-17M
				7 CABLE	TEL-III	JUNCTION	34	19	FO-155M
							18	11	FO-155M
				16 CABLE	TEL-III	JUNCTION	28	12	FO-155M
JAMBI TELANIPURA									28
SEKARANAM							8	1	1 2G-17M
									1
KUALA TUNGKAL				4 2G-8M	PST	JB	54	2	4
				24 CH SCPC	SATELLITE				
MUARA BULIAN				4 2G-8M	SISTRANSJASKA	JB	22	1	4
BANGKO				4 2G-8M	PST	JB	24	1	-1
				18 CH SCPC	SATELLITE	LE IN PA			
							6	1	1 2G-17M
									1
SOROLANGUN									
MUARA BUNGO				24 CH SCPC	SATELLITE		28	1	1 FO-34M
									1
SUNGAI PENUH				28 CH SCPC	SATELLITE		48	2	2 FO-34M
									2

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

FILE:TR-SYS04.WK1

SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO. OF 2M	SYSTEM	
JKT	JAKARTA		355			OTHER TRUNK		1,839			
			122	6G-140M	TRANS-SUM						
			117	6G-140M	JAWA-BALID-MW						
			118	6G-140M	JKT-SBY FO-1						
			48			PC IN SA		72	36		84
			1020CH	FDW/FM	SATELLITE						1,020CH
			248CH	TDMA	SATELLITE		1,301		1,053CH		1,301CH
			20H	SCPC	SATELLITE						2CH CIBINONG
			338CH	SCPC	SATELLITE						338CH GAMBIR
			120H	SCPC	SATELLITE						120H KALIBATA
											JUNCTION
			373	FO				174			428
			16	FO	WB						
			4	FO	PBH-S						
			35	FO	JATABEK						
			0								
			26	FO	JATABEK			53	53	FO	53
			403					44	16	FO	44
			12	6G-140M	JAWA-BALID-MW	KARAWANG		199			453
			50	FO	JATABEK						
			135					104			173
			38	FO	JATABEK						
			230					112			228
			28	FO	JATABEK						
			511					275			670
			159	FO	JATABEK						

TABLE 4C-4 DIGITAL TRANSMISSION SYSTEM IN WTEL-IV

FILE:TR-SYS04.WK1

SC	PC	LE	EXISTING FACILITY		REQUIRED NO. OF		EXPANSION	END OF	REMARKS
			NO. OF 2M	SYSTEM PROJECT	CIRCUITS	2MBS	NO. OF 2M	REPETITA-VI NO. OF 2M	
		CENPAKA PUTIH	1,289				1,634	1,718	
			272 FO	WB					
			8 FO	PBH-S					
			147 FO	JATABEK					
		CENGKARENG	413				746	746	
			31 FO	JATABEK					
		CIBINONG	277				142	285	
			2 23 - 34M	JKT-BOO D-M/W					
			8 FO	JATABEK					
		CIKARANG	6				228	249	
			243 FO	JATABEK					
		CIKUPA	0				49	49	
		CILEUNSI	4				111	111	
			107 FO	JATABEK					
		CILINCING	112				360	360	
			44 FO	WB					
			138 FO	JATABEK					
		CILEDUG	28 FO	JATABEK			139	139	
		CINERE	314				175	304	
			50 FO	JATABEK					
		CIPETE	373				689	688	
			135 FO	JATABEK			181	FO	
		CIPUTAT	220				251	234	
			74 FO	JATABEK					
		CURUG	0				26	26	
		CIPONDOK	36				36	36	
		DEPOK 1	152				214	214	
			6 6G-140M	JKT-BOO D-M/W					
			22 FO	JATABEK					
		DEPOK 2	161				175	175	
			10 FO	JATABEK			4	FO	

TABLE 4C-4 DIGITAL TRANSMISSION SYSTEM IN WTEL-IV

FILE: TR-SYS04.WKT

SC	PC	LE	EXISTING FACILITY		DESTINATION		REQUIRED NO. OF		EXPANSION		END OF	REMARKS
			NO. OF 2M	SYSTEM	PROJECT		CIRCUITS	2MB/S	NO. OF 2M	SYSTEM	REPETITA-VI NO. OF 2M	
		GAMBIR-I	2,823					3,727			4,201	
			112 FO	WB								
			800 FO	INDOSAT								
			9 FO	PBH-S								
			358 FO	JATABEK								
		GAMBIR-II	1,103					1,584	52	FO	1,584	
			128 FO	WB								
			311 FO	JATABEK								
		GANDARIA	224					170			254	
			8 FO	WB								
			52 FO	JATABEK								
		JAGAKARSA	82					200	103	FO	200	
			15 FO	JATABEK								
		JATINEGARA-I										
		JATINEGARA-II	2,008					2,784	204		2,784	INCLUDING IN JT-II
			72 FO	WB								
			8 FO	PBH-S								
			492 FO	JATABEK								
		JAC CENGKARENG	150					132			181	
			8 FO	WB								
			8 FO	JATABEK								
		JATUWUNG	12									
		JONGGOL						49	37		49	
								18	18	FO	18	
		KALIBATA-I	351					405			413	
			20 FO	WB								
			47 FO	JATABEK								
		KALIBATA-II	218					241	4	FO	241	
			19 FO	JATABEK								
		KEBAYORAN	1,800					2,712	481	FO	2,712	
			56 FO	WB								
			4 FO	PBH-S								
			281 FO	JATABEK								

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

FILE: TR-SYS04.WKT

SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM		CIRCUITS	2MBS	NO. OF 2M	SYSTEM		
		KEDOYA	222				260			270	
			32 FO	WB							
		KELAPA GADING	16	FO	JATABEK					440	
			277				366				
		KLENDER	163	FO	JATABEK					246	
			228				103				
		KOTA-I	19	FO	JATABEK					483	
			433				322				
			4 FO	WB							
			4 FO	PBH-S							
			42 FO	JATABEK							
		KOTA-II	1,719				1,763			2,080	
			86 FO	WB							
			36 FO	PBH-S							
			229 FO	JATABEK			509			700	
		KOTA-III	606								
			60 FO	WB							
			34 FO	JATABEK							
		MERUYA	158				168	25	FO	196	
			15 FO	JATABEK							
		PALMERAH	507				574				
			48 FO	WB							
			39 FO	JATABEK							
		PASAR KEMIS	0				31	31	FO	31	
		PASAR MINGGU	280				184			311	
			8 FO	WB							
			13 FO	JATABEK							
		PASAR REBO	229				150			329	
			64 FO	WB							
			36 FO	JATABEK							
		PENGLINGAN	185				161			322	
			84 FO	WB							
			83 FO	JATABEK							

TABLE 4C-4 DIGITAL TRANSMISSION SYSTEM IN WTEL-IV

FILE: TP-SYSD4WK1															
SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF		EXPANSION		END OF REPETA-VI NO. OF 2M	REMARKS				
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MBS	NO. OF 2M			SYSTEM			
		PLUIT	434						381		810				
			112 FO	WB											
			84 FO	JATABEK											
		PONDOK GEDE	236						80		271				
			15 FO	JATABEK											
		PONDOK KELAPA	172						156		226				
			54 FO	JATABEK											
		RAWAMANGUN	449						498		535				
			64 FO	WB											
			122 FO	JATABEK											
		GUNUNG PUTRI	24 FO	JATABEK					40	16	FO	40			
		PARUNG PANJANG	0						40	40	FO	40			
		SEMANGGI-I	822						884		1,685				
			148 FO	WB											
			840 FO	INDOSAT											
		SEMANGGI-II	85 FO	JATABEK											
			2,142						1,761		3,259				
			168 FO	WB											
			800 FO	INDOSAT											
			4 FO	PBH-S											
			145 FO	JATABEK											
		SERPONG (PUSPITEA)	87						76		108				
			21 FO	JATABEK											
		SLUPI	1,283						1,962		2,537				
			380 FO	WB											
			768 FO	INDOSAT											
			12 FO	PBH-S											
			194 FO	JATABEK											
		SUKATANI							5	5	FO	5			
		SERANG							5	5	FO	5			
		MUARA GEMBONG							5	5	FO	5			

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

FILE: TR-SYS04.WK1

SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF		EXPANSION	END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MBS	NO. OF 2M	SYSTEM
		TANGERANG	228 FO	WB				228	288	
			38 FO	WB						
			6 FO	JATASEK						
		TANJUNG PRIOK	405					411	588	
			100 FO	WB						
			8 FO	PSH-S						
			88 FO	JATASEK						
		TEBET	679					541	825	
			146 FO	JATASEK						
		TEGAL ALUR	114					472	472	
			12 FO	JATASEK						
		TIGA RAKSA						68	68	
		CIBUBUR (GAN DLU)	12					22	10	FO
		CISALAK (TB DLU)	14 FO	JATASEK				18	4	FO
		KPANGGAN (PDG DLU)	12					48	36	FO
		CABANGBUNGIN (GAN DLU)						4	4	FO
		CIBARSAN (SRG DLU)						4	4	FO
		CIBITUNG (CIK DLU)						14	14	FO
		LEMAHASANG (CIK DLU)						14	14	FO
		PEBAYURAN (MGN DLU)						5	5	FO
		TANBELANG (STN DLU)						5	5	FO
		TARUMAJAYA (BKS DLU)						4	4	FO
		CARIU (JGL DLU)						9	8	FO
		CITEUREUP (JGL DLU)						18	18	FO
		LEGOK (CUG DLU)	0					22	22	FO
		KRESEK (BLJ DLU)						5	5	FO
		KRONJO (BLJ DLU)						5	5	FO
		MAUK (PSK DLU)						7	7	FO
		RAJEG (PSK DLU)						5	5	FO
		SEPATAN (PSK DLU)						12	12	FO
		TELUK NAGA (CXG DLU)						7	7	FO
		CISOKA (TGS DLU)						5	5	FO

TABLE 4C-4 DIGITAL TRANSMISSION SYSTEM IN WTEL-IV

FILE: TR-SYS04.WKI

SC	PC	LE	EXISTING FACILITY		REQUIRED NO. OF CIRCUITS	EXPANSION		END OF REPETITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM		NO. OF 2M	SYSTEM		
		BOJONG GEDE (PSM DLU)			18	18	FO	18	
		GUNUNG SINDUR (PSM DLU)			8	8	FO	8	
		PARANG (PSM DLU)			23	23	FO	23	
		RUNPIN (PPG DLU)			9	9	FO	9	
		SERPONG (BSD) (PSM DLU)	104		113			134	
		MUARA KARANG (KTZ DLU)	30	FO					
		PADEMANGAN (ANC DLU)			118	118	FO	118	
		SUNTER (ANC DLU)	100	FO	64	64	FO	64	
		KGP (KELAPA GADING PERMA)		PBH-S	64			100	
		KEBAYORAN BINTARO (KB)	228		28				
		KMY (KEMAYORAN)	98		228			228	
		PSB (PROGEBAN)	0		0				
		RSS (RASUNA SAUD)	0		122				
		CBB (CIBUBUR)	12		556				
					22				

TABLE 4C-5 DIGITAL TRANSMISSION SYSTEM IN WTEL-V

FILE: TP-SYS051WK1												
SC	PC	LE	EXISTING FACILITY		PROJECT	DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPETA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM			CIRCUITS	2M/S	NO. OF 2M	SYSTEM		
		DICALENGKA	4	FO-140M JKT-SBY FO-1		JUNCTION	44	2		56	FO-820M	4
		CIMAH	36	FO-140M JKT-SBY FO-1		PADALARANG		92		-4		92
			4	FO-140M JKT-SBY FO-1								0
		CWIDEY					20	1	1	FO-34M		1
		PAMEUNGPEUK				JUNCTION		47	47	FO-155M		47
		DAYEUH KOLOT (NEW)	8	8G-140M JAWA-BALID-M/W		JUNCTION		23	15	FO-820M		23
		LEMBANG	8	FO-140M CH-EXPANSION		JUNCTION		28	18	FO-140M		28
		MAJALAYA	4	1.5G-8M REMOTE-2			162	6	2	1.5G-8M		6 TO EXPAND SYSTEM
		PADALARANG				BD	106	4	4	FO-140M		4 TO UTILIZE EXIST
			4	FO-140M JKT-SBY FO-1		CIMAH			-4			0
		PANGALENGAN					28	1	1	FO-34M		1
		RANCAKEK					168	7	7	FO-34M		7
		SANTOSA					12	1	1	FO-34M		1
		CIKALONG WETAN					15	1	1	FO-34M		1
		GUNUNG HALU					58	2	2	2G-17M		2
		SOREANG	4	2G-8M SISTRANSJASKA			70	3	-1	2G-8M		3 TO EXPAND SYSTEM
SUMEDANG												
			12	FO-34M CH-EXPANSION		BD	62	3				12
						LE IN PA		2	2	FO-34M		2
TANJUNGPARI												
							56	2	2	FO-34M		2
GARUT												
			4	FO-140M JKT-SBY FO-1		BD	186	7	3	FO-140M		7
			4	FO-140M JKT-SBY FO-1		TSM		4				4
						LE IN PA		7	7			7
		CIBATU					20	1	1	FO-140M		1 TO UTILIZE JKT-SBY FO-1
		CIKAJANG					24	1	1	FO-34M		1
		CISOMPET					12	1	1	FO-34M		1
		KADUNGORA					36	2	2	FO-34M		2
		WANABAJA					38	2	2	FO-34M		2
CIANJUR												
			8	FO-140M JKT-SBY FO-1		BD	226	10	2	FO-25G		10
			4	FO-140M JKT-SBY FO-1		SI (PC)		4				4
			4	FO-140M JKT-SBY FO-1		BOO (PC)		4				4
			4			LE IN PA		7	3	FO-34M		7
		CIBEER					28	1	1	FO-34M		1
		CIKALONG KULON					18	1	1	FO-34M		1
		CIKALANG	4	FO-140M JKT-SBY FO-1		CJ	98	4				4
		SUKARAGARA					18	1	1	FO-34M		1

TABLE 40-5 DIGITAL TRANSMISSION SYSTEM IN WITEL-V

FILE: TR-SYSDSWKT

SC	PC	LE	EXISTING FACILITY		PROJECT	DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM			CIRCUITS	2MB/S	NO. OF 2M	SYSTEM		
PURWAKARTA												
			8	2G-34M	JAWA-BALUD-M/W		LE IN PA	450	15	7	2G-34M	15
			7						23	18	2G-17M	23 TO EXPAND SYSTEM
		PABUARAN SUBANG	0	2G-17M	REMOTE-2			52	2	2	2G-17M	2
		PAMANKAN	2	2G-17M	REMOTE-2			170	6	4	2G-17M	6
		SUBANG	3	1.5G-8M	REMOTE-2			238	8	5	1.5G-8M	8 TO EXPAND SYSTEM
		CIKAMPEX	2	1.5G-8M	REMOTE-2			210	7	5	1.5G-8M	7 TO EXPAND SYSTEM
TASIKMALAYA												
			14	FO-140M	JKT-SBY FO-1		BO	988	34	20	FO-2.5G	34
			4	FO-140M	JKT-SBY FO-1		GRT		4			4
			18				LE IN PA		38	18		37
		BANJAR	3	2G-17M	REMOTE-2			184	7	4	2G-17M	7 TO EXPAND SYSTEM
			2	2G-17M	REMOTE-2							2
		BANJARSARI	2	1.5G-8M	REMOTE-2		CIAMIS	128	5	3	1.5G-8M	5 TO EXPAND SYSTEM
		CIAMIS	4	2G-34M	REMOTE-2			132	5	1	2G-34M	5 TO EXPAND SYSTEM
			2	2G-34M	REMOTE-2		BANJAR					2
		CIAMI TSM	2	1.5G-8M	REMOTE-2			90	3	1	1.5G-8M	3
		CIBALONG	2	1.5G-8M	REMOTE-2			22	1			2
		CIKONENG TSM	2	1.5G-8M	REMOTE-2			78	3	1	1.5G-8M	3
		PANGANDARAN	2	1.5G-8M	REMOTE-2			108	5	3	1.5G-8M	5 TO EXPAND SYSTEM
		SINGAPARNA	2	1.5G-8M	REMOTE-2			184	7	5	1.5G-8M	7 TO EXPAND SYSTEM
SUKABUMI												
			8	FO-140M	JKT-SBY FO-1		BO	500	17	9	FO-2.5G	17
			8	FO-140M	JKT-SBY FO-1		JKT		8			8
			4	FO-140M	JKT-SBY FO-1		BOO		4			4
			4	FO-140M	JKT-SBY FO-1		CJ		4			4
			0				LE IN PA		12	10		13
		CIBADAK						78	3	3	FO-34M	3
		CICURUG						54	2	2	2G-17M	2 VIA BOO
			8	2G-17M	REMOTE-3		BOO			-2	2G-17M	6
		CIKEMBANG						16	1	1	FO-34M	1 VIA RADIO
		JAMPANG KULON						18	1	1	2G-17M	1
		JAMPANG TENGAH						14	1	1	FO-34M	1 VIA RADIO
		KELAPA NUNGGAL						8	1	1	FO-34M	1
		NYALINDUNG						10	1	1	FO-34M	1
		PELABUHAN RATU	6	2G-17M	REMOTE-3		SI	40	2	-3	2G-17M	3
			2	2G-17M	REMOTE-3		BO					2
24 CH SCPC SATELLITE												

TABLE 4C-5 DIGITAL TRANSMISSION SYSTEM IN WITEL-V

FILE : TR-SYS03.WK1

SC	PC	LE	EXISTING FACILITY		PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2M/S	EXPANSION NO. OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
KARAWANG												
			12	2G-34M	JAWA-BALID-M/W	BO	308	11	11	8G-140M	11	
			12			BEKASI		12	12		12	
						LE IN PA		5	5		12	
			12	2G-34M	JUNCTION-TR	KPW	110	5	5		12	
PAMEUNGPEUK												
			18	CH SCPC	SATELLITE		18	1	1	FO-34M	1	
CBN CENTRUM												
			28			TC, SC		63	35	FO, MW	63	BACKBONE
						JKT						
						BO						
						MDN						
						PG						
						SBY						
						SM						
						PWT						
						PC IN SA	10	2	2		10	
						LE IN PA	8	8	8		8	
						LE IN OTHER PA			-2		5	
						JUNCTION					60	
							26	1	1	FO-34M	1	
						JUNCTION					24	
						JUNCTION					32	
						JUNCTION					24	
							28	1	1	FO-34M	1	
							56	2	2	2G-17M	2 TO EXPAND CBN-WALD	
							56	2	2	FO-34M	2	
							46	2	2	FO-34M	2	
KUNINGAN												
						CBN	74	3			3	
						LE IN PA		1	1	1.5G-8M	1	
						KNG	30	1	1	2G-17M	1 TO UTILIZE EXIST	
						CBN			-1		7	
MAJALENSKA												
						CBN	72	3	1	1.5G-8M	3	
						LE IN PA		2	2		2	
						MLL	28	1	1	2G-17M	1 TO UTILIZE EXIST	
						CBN			-1		3	
						MLL	28	1	1	2G-8M	1 TO UTILIZE EXIST	
						CBN			-1		3	
INDRAMAYU												
						CBN	110	4	1	1.5G-8M	4	
						LE IN PA		6	5		6	
							64	3	2	2G-8M	3	
							32	2	2	2G-17M	2	
							18	1	1	2G-17M	1	

TABLE 4C-5 DIGITAL TRANSMISSION SYSTEM IN WITEL-V

FILE: TR-SYS05.WK1

SC	PC	LE	EXISTING FACILITY		PROJECT	DESTINATION	REQUIRED NO. OF		EXPANSION	END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM			CIRCUITS	2MBS	NO. OF 2M	SYSTEM	
JAKARTA	BOGOR		23	8G-140M	JKT-BOO D-M/W	JKT	1,584	52	23	8G-140M	52
			12	2G-34M	CH-EXPANSION	SINDANGLAYA					12
			8	8G-140M	JKT-BOO D-M/W	DEPOK					8
			2	8G-140M	JKT-BOO D-M/W	OBINONG					2
			4	FO-140M	JKT-SBY FO-1	SUKABUMI (PC)			-2		2
			4	FO-140M	JKT-SBY FO-1	CJ (PC)					4
			8			LE IN PA					16
							122	5	5	FO-140M	14
							242	9	9		LOCAL
			8	2G-17M	REMOTE-3		28	1	1	FO-34M	1
							150	5			8
							18	1	1	FO-34M	1
							22	1	1	FO-34M	1
							144	5			12
			12	2G-34M	CH-EXPANSION	BOO					
			4	2G-17M	REMOTE-2	JKT	108	4			4
						LE IN PA			2	2G-17M	2
							12	1	1	2G-17M	1
							16	1	1	2G-17M	1
			3	1.5G-8M	REMOTE-2	JKT	58	2			3
						LE IN PA			4	FO-34M	4
							20	1	1	FO-34M	1
							20	1	1	FO-34M	1
							32	2	2	FO-34M	2
			6	2G-34M	REMOTE-2	JKT	374	13	7	2G-34M	13 TO EXPAND SYSTEM
			12			LE IN PA			11		21
							150	5	5	FO-34M	5
			4	2G-17M	REMOTE-2		188	7	3	2G-17M	7
							20	1	1	FO-34M	1
			4	2G-17M	REMOTE-3				-2		2
			4	2G-8M	REMOTE-3		178	6	2	2G-8M	6 TO EXPAND SYSTEM

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TABLE 4C-6 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SYS03.WK1

SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF	REMARKS
			NO. OF 2M SYSTEM	PROJECT		CIRCUITS	2M/S	NO. OF 2M	SYSTEM	REPETITA-VI NO. OF 2M	
PURWODADI GROBOGAN			3 1.5G-8M	REMOTE-2	SM	102	4	4	1 1.5G-8M	4	
			8		LE IN PA		6	4		12	
		GOONG				32	2	2	2 FO-34M	2	
		GUBUG	8 2G-17M	REMOTE-3		40	2	2		8	
MAGELANG		WIROSARI				32	2	2	2 FO-34M	2	
			8 2G-34M	CH EXPANSION	SM	276	10	1	2G-34M	10	TO EXPAND SYSTEM
			4 FO-34M	CH EXPANSION	WS					4	
			11		LE IN PA		19	11		22	
MAGELANG SELATAN						154	6	6	6 FO-140M	11	
						150	5	5			LOCAL
		MUNGKO	4 2G-8M	SISTRANSJASIKA		50	2	2		4	
		MUNTILAN	4 2G-17M	SISTRANSJASIKA		78	3	3		4	
TEMANGGUNG			3 1.5G-8M	REMOTE-2		180	7	4	FO-34M	7	EXISTING SYSTEM
			4 FO-34M	CH EXPANSION	PARAKAN					4	
			4 FO-34M	CH EXPANSION	SM					4	
		TEMPURAN				22	1	1	FO-34M	1	
KENDAL			4 2G-34M	JAWA-BALU D-M/W	SM	178	6	2	2G-34M	6	TO EXPAND SYSTEM
			4		LE IN PA		7	4		8	
		BOJA				34	2	2	2G-17M	2	
		SUKOREJO				38	2	2	FO-34M	2	
PATI		WELERI	4 2G-8M	PCM-II (SE)		62	3	3		4	
						194	7	7	FO-34M	7	
			8 FO-34M	CH EXPANSION	KS			-4		4	
			18		LE IN PA		13	6		20	
JUWANA		LASEM	8 2G-17M	REMOTE-3		86	4	4		8	
						46	2	2	2G-17M	2	TO EXPAND SYSTEM
			8 2G-17M	REMOTE-3	REMBANG			-2		6	
			2 1.5G-3M	REMOTE-2		158	8	4	1.5G-8M	6	TO EXPAND SYSTEM
TAYU			8 2G-17M	REMOTE-3	LASEM			-2		6	
			8 2G-17M	REMOTE-3		26	1	1		8	

TABLE 4C-6 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SYS04.WK1												
SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	RE MARKS	
			NO. OF 2M	SYSTEM		CIRCUITS	2M/S	NO. OF 2M	SYSTEM			
BLORA			2G-17M	REMOTE-2	GNBALADEWA	118	4	4	2G-17M	4	4 TO EXPAND GN.BLD-PT	
			3		LE IN PA			8	3		6	
	CEPU		3	2G-17M	REMOTE-2	BLORA	102	4	1		4 TO EXPAND SYSTEM	
			4	2G-17M	REMOTE-2	SM (MA PATI)					4	
SALATIGA		NGAJEN				22	1	1	FO-34M	1		
		RANDU BALATUNG				28	1	1	2G-17M	1		
			5	2G-17M	REMOTE-2	SM	164	7	2	2G-17M	7	
			4		LE IN PA			3			4	
YK		AMBARAWA	4	1.5G-8M	REMOTE-2		70	3	1.5G-8M		4 TO EXPAND SYSTEM	
			64				124	60	FO/MW	124	BACKBONE	
			4	FO-140M	JKT-SBY FO-1	JKT						
			4	FO-140M	JKT-SBY FO-1	BD						
YK	KOTABARU		4	FO-140M	JKT-SBY FO-1	SBY						
			4	FO-140M	JKT-SBY FO-1	DPR						
			4	FO-140M	JKT-SBY FO-1	MN						
			4	FO-140M	JKT-SBY FO-1	ML						
			4	FO-140M	JKT-SBY FO-1	SM						
			4	FO-140M	JKT-SBY FO-1	PWT						
			4	16G-140N	JAWA-BALID-M/W	JKT						
			4	16G-140N	JAWA-BALID-M/W	BD						
			4	16G-140N	JAWA-BALID-M/W	MDN						
			4	16G-140N	JAWA-BALID-M/W	PG						
			4	16G-140N	JAWA-BALID-M/W	SBY						
			4	16G-140N	JAWA-BALID-M/W	MN						
			4	16G-140N	JAWA-BALID-M/W	SM						
			4	16G-140N	JAWA-BALID-M/W	PWT						
			12			PC IN BA		56	46		56	
			3 CH SCPC	SATELLITE								
			31			LE IN PA		29	8		39	
			21 CABLE			JUNCTION		40	19	FO-155M	40	

TABLE 4C-8 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SYS06.WKT									
SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION	REMARKS
			NO. OF 2M SYSTEM	PROJECT		CIRCUITS	2MDS	NO. OF 2M SYSTEM	
									END OF REPELITA-VI NO. OF 2M
		BANTUL	2 1.5G-8M	REMOTE-2		94	4	2 1.5G-8M	4 TO EXPAND SYSTEM
		GODEAN	2 1.5G-8M	REMOTE-2		42	2		2
		IMOGIRI (NEW)				20	1	1 FO-34M	1 VIA BANTUL
		KALASAN	2 1.5G-8M	REMOTE-2		46	2		2
		KALIURANG	2 1.5G-8M	REMOTE-2		96	2		2
		NANGGULAN (NEW)				10	1	1 2G-17M	1
		WATES	3 1.5G-8M	REMOTE-2		88	3		3
		WONOSARI	2 1.5G-8M	REMOTE-2		120	5	3 1.5G-8M	3 TO EXPAND SYSTEM
		YK KENTUNGAN (NEW)	16 FO-140M TEL-IV		JUNCTION		14		16
		YK PUGERAN	21 CABLE		JUNCTION		32	11 FO-155M	32
		SLEMAN	2 1.5G-8M	REMOTE-2		74	3	1 1.5G-8M	3 TO EXPAND SYSTEM
		PURWOREJO	2 1.5G-8M	REMOTE-2		88	3	1 1.5G-8M	3
			8		LE IN PA		3		8
		KUTOARJO	8 2G-17M	JUNCTION TR		64	3		8
		SOLO I (GLADAK)	8		YK	1,252	42	34 FO-620M	42 JKT-SBY FO-II
			4 FO-140M JKT-SBY FO-I		JKT				
			4 FO-140M JKT-SBY FO-I		BD				
			4 FO-140M JKT-SBY FO-I		SBY				
			4 FO-140M JKT-SBY FO-I		MN				
			4 FO-140M JKT-SBY FO-I		SM				
			4 FO-140M JKT-SBY FO-I		YK				
			4 FO-140M JKT-SBY FO-I		PAK				
			4 FO-140M JKT-SBY FO-I		JKT				
			4 16G-140M JAWA-BALID-MW		BD				
			4 16G-140M JAWA-BALID-MW		MDN				
			4 16G-140M JAWA-BALID-MW		PG				
			4 16G-140M JAWA-BALID-MW		SBY				
			4 16G-140M JAWA-BALID-MW		MN				
			4 16G-140M JAWA-BALID-MW		SM				
			4 16G-140M JAWA-BALID-MW		YK				
			4 16G-140M JAWA-BALID-MW		PWT				
			2 1.5G-8M	REMOTE-2	WNG (PG)				
			29		LE IN PA		28	15	44
			96 FO-140M JUNCTION-TR		JUNCTION		67		96

TABLE 4C-8 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SYS06WK1

SC	PC	LE	EXISTING FACILITY		PROJECT	DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M SYSTEM	CIRCUITS			2MBS	NO. OF 2M SYSTEM				
		SOLO PALUR	12 FO-140M	JUNCTION TR							12	
		KARANGANYAR	2 1.5G-8M	REMOTE-2			154	6	4	1.5G-8M		6 TO EXPAND SYSTEM
		KERTOSURO (NEW)	7 CABLE	TEL-III		SLO	68	3			7	
		SIMBER LAWANG (NEW)					20	1	1	FO-84M	1 27 Km	
		SOLO BARU (NEW)	32 FO-140M	JUNCTION TR		JUNCTION		14			32	
		SOLO II	64 FO-140M	JUNCTION TR		JUNCTION		67	3	FO-140M	67	
		SRAGEN	3 1.5G-8M	REMOTE-2			246	8	8	2G-17M	9	9 NEW SYSTEM
		SUKOHARJO	3 1.5G-8M	REMOTE-2			114	4	1	1.5G-8M	4	4 TO EXPAND SYSTEM
		TAWANGMANGU	2 1.5G-8M	REMOTE-2			60	2			2	
		TAWANGSARI					56	2	2	FO-84M	2 10 Km	
		NGEMPLAK (NEW)					20	1	1	FO-84M	1 18 Km	
			ANALOG				128	5	5	FO-140M	5	
			8			LE IN PA		4	2	2G-17M	10	
		DELANGGU	8 2G-17M	JUNCTION-TR			36	2			8	
		PEDAN					50	2	2	2G-17M	2	
							114	4	4	1.5G-8M	4	
			2 1.5G-8M	REMOTE-2		SLO	168			1.5G-8M		2 TO EXPAND SYSTEM
			2			LE IN PA		3	2		4	
		BATURENO	2 1.5G-8M	REMOTE-2			28	1			2	
		PRANCHINTORO					50	2	2	2G-17M	2	
			2 1.5G-8M	REMOTE-2			98	4	2	1.5G-8M	4	

KLATEN

WONGIRI

BOYOLALI

TABLE 4C-6 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SYS06.WKT											
SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPETA-VI NO. OF 2M	REMARKS
			NO. OF 2M SYSTEM	PROJECT		CIRCUITS	2M/S	NO. OF 2M	SYSTEM		
PWT	PURWOKERTO		56				88	33	FO, MW	88 BACKBONE	
			4	FO-140M JKT-SBY FO-1	JKT						
			4	FO-140M JKT-SBY FO-1	CBN						
			4	FO-140M JKT-SBY FO-1	BD						
			4	FO-140M JKT-SBY FO-1	SBY						
			4	FO-140M JKT-SBY FO-1	SM						
			4	FO-140M JKT-SBY FO-1	YK						
			4	8G-140M JAWA-BALID-M/W	JKT						
			4	8G-140M JAWA-BALID-M/W	BD						
			4	8G-140M JAWA-BALID-M/W	CBN						
			4	8G-140M JAWA-BALID-M/W	MDN						
			4	8G-140M JAWA-BALID-M/W	PG						
			4	8G-140M JAWA-BALID-M/W	SBY						
			4	8G-140M JAWA-BALID-M/W	SM						
			4	8G-140M JAWA-BALID-M/W	YK						
			4	8G-140M JAWA-BALID-M/W	SLO (PC)						
			4	FO-140M JKT-SBY FO-1	SLO (PC)						
			34		PC IN SA		47	13			47
			7		LE IN PA		12	7			14
	BANYUMAS		4	2G-8M SISTRANSJASIKA		48	2				4
	BOBOTSARI (NEW)					22	1	1	FO-34M		1
	KARANGLEWAS (NEW)					24	1	1	FO-34M		1
	PROBOLINGGO		3	1,5G-8M REMOTE-2		116	5	2	1,5G-8M		5 TO EXPAND SYSTEM
	PURWANEGORO					16	1	1	2G-17M		1
	SUKARAJA					28	1	1	FO-34M		1
	WANGON (NEW)					24	1	1	FO-34M		1
	CILACAP		6	2G-17M REMOTE-2		180	7	1	2G-17M		7
			2		LE IN PA		6	4			6
	KROYA					28	1	1	FO-140M		1
	MAJENANG		2	1,5G-8M REMOTE-2		54	2				2
	MAOS					20	1	1	FO-140M		1
	MELUWUNG					10	1	1	2G-17M		1
	SIDAREJA (NEW)					26	1	1	2G-17M		1

TABLE 4C-6 DIGITAL TRANSMISSION SYSTEM IN WTEL-VI

FILE: TR-SYS06.WK1										
SC	PC	LE	NO. OF 2M SYSTEM	EXISTING FACILITY PROJECT	DESTINATION	REQUIRED NO. OF CIRCUITS	2MBS	EXPANSION NO. OF 2M SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
TEGAL SELATAN										
			8 2G-34M	JAWA-BALID-MNW	PWT	432	15	7 2G-34M	15	
			4 1.5G-8M	REMOTE-2	SM (0A PML, PK, KL)					4
			22		LE IN PA					27
		ADIWERNA					15	7		
		BALUPULANG				52	2	2 FO-34M		2
		BREBES				28	1	1 FO-34M		1
		BUMAYU				84	3			4
		KETANGGUNGAN				32	2			8
		SLAWI				32	2	2 FO-34M		2 VIA TANJUNG
		SURCADI (NEW)				68	3	1 1.5G-8M		3
		TANJUNG				12	1	1 FO-34M		1 VIA PK
			8 2G-17M	REMOTE-3		28	1	-2		6
PEMALANG										
			3 2G-34M	REMOTE-2	PWT	70	3			3 VIA PK
					LE IN PA		1	1 2G-17M		1
						28	1	1 2G-17M		1 VIA PK, COMAL
PEKALONGAN (THUR)										
			8 2G-34M	REMOTE-2	PWT	378	13	5 2G-34M		13 TO EXPAND SYSTEM
			8 2G-34M	CH EXPANSION	SM					8
			12		LE IN PA		11	4		14
		BANDAR SEDAYU				22	1	1 FO-34M		1
		BATANG				64	3			4
		KEDUNGWUNI				32	2	-1		3
		SRAGI (NEW)				16	1	1 FO-34M		1 TO UTILIZE EXIST
		SUBAH				20	1	1 FO-34M		1
		WIRODESA (NEW)				18	1	1 FO-34M		1
		COMAL				32	2	-1		3
WONOSOBO										
			5 2G-17M	REMOTE-2	PWT	144	5			5
			4 FO-34M	CH-EXPANSION	SM					4
			4 FO-34M	CH-EXPANSION	MG					4
			7		LE IN PA		8	2		8
		BANJARNEGARA				118	5	2 1.5G-8M		5 TO EXPAND SYSTEM
		PARAKAN			WS	78	3			4
			4 FO-34M	CH EXPANSION	TEMANGGUNG					4
			4 FO-34M	CH EXPANSION						
KEBUMEN										
			4 FO-160M	JKT-SBY FO-1	PWT	118	4			4
			8		LE IN PA		7	5		13
		GOMBONG				68	3	3 FO-34M		3
		KABANGMANYAR				60	2	2 FO-34M		2
		KUTOWNANGUN				34	2			8
			8 2G-17M	REMOTE-3						

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SY307.WKI

SC	PC	LE	EXISTING FACILITY		NO. OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF		EXPANSION	END OF REPELITA-VI NO. OF 2M	REMARKS
									CIRCUITS	2M/S	NO. OF 2M	SYSTEM	
SS	SB	KEBALEN	132	TC, SC					539		347	FO, MW	539 BACKBONE
			32 8G-140M JAWA-BALID-M/W	JKT									
			4 8G-140M JAWA-BALID-M/W	MDN									
			4 8G-140M JAWA-BALID-M/W	PG									
			4 8G-140M JAWA-BALID-M/W	TJK									
			4 8G-140M JAWA-BALID-M/W	PWT									
			4 8G-140M JAWA-BALID-M/W	CBN									
			4 8G-140M JAWA-BALID-M/W	YK									
			4 8G-140M JAWA-BALID-M/W	SLO (PC)									
			8 8G-140M JAWA-BALID-M/W	BD									
			8 8G-140M JAWA-BALID-M/W	SM									
			4 8G-140M JAWA-BALID-M/W	MN									
			12 8G-140M JAWA-BALID-M/W	DPR									
			4 8G-140M JAWA-BALID-M/W	MTR (PC)									
			4 8G-140M JAWA-BALID-M/W	SBW									
			8 8G-140M JAWA-BALID-M/W	JR									
			18 8G-140M JAWA-BALID-M/W	ML									
			32 FO-140M JKT-SBY FO-1	JKT									
			8 FO-140M JKT-SBY FO-1	MDN									
			4 FO-140M JKT-SBY FO-1	PG									
			8 FO-140M JKT-SBY FO-1	BD									
			4 FO-140M JKT-SBY FO-1	CBN									
			4 FO-140M JKT-SBY FO-1	YK									
			4 FO-140M JKT-SBY FO-1	SLO (PC)									
			4 FO-140M JKT-SBY FO-1	PWT									
			8 FO-140M JKT-SBY FO-1	SM									
			4 FO-140M JKT-SBY FO-1	MN									
			84CH FDM/FM SATELLITE										
			135CH TONA SATELLITE										
			84CH SCPC SATELLITE										
			31	PC IN SA					235CH		97CH	TONA	235CH
			18	PC IN OTHER SA						34	8		37
			3	LE IN PA						6	3		13
			7	LE IN OTHER PA									6
			223	JUNCTION						1,021	392		7
			310 FO-140M REMOTE-3	JUNCTION									1,021
			128 FO-140M TEL-IV	JUNCTION									

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WITEL-VII

FILE: TR-SYS07.WK1

SC	PC	LE	EXISTING FACILITY			DESTINATION	REQUIRED NO. OF		EXPANSION	END OF REPLITA-VI NO. OF 2M	RE MARKS
			NO. OF 2M	SYSTEM	PROJECT		CIRCUITS	2MBS	NO. OF 2M	SYSTEM	
		SBY BAMBE	7	FO-140M	TEL-III	JUNCTION		12			43
			36	FO-140M	REMOTE-3	JUNCTION					
		SBY DARMO	111	FO-140M		JUNCTION		214	34		214
			66	FO-140M	REMOTE-3	JUNCTION					
		SBY INUJO	42	FO-140M		JUNCTION		61			64
			22	FO-140M	REMOTE-3	JUNCTION					
		SBY KALANAK	16	FO-140M	TEL-III	JUNCTION		41			69
			53	FO-140M	REMOTE-3	JUNCTION					
		SBY KANDANGAN	20	FO-140M	TEL-III	JUNCTION		85	29		85
			36	FO-140M	REMOTE-3	JUNCTION					
		SBY KARANGPILANG	46	FO-140M	TEL-III	JUNCTION		37			70
			22	FO-140M	REMOTE-3	JUNCTION					
		SBY KAPASAN	139	FO-140M		JUNCTION		178			235
			156	FO-140M	REMOTE-3	JUNCTION					
		SBY KENJERAN	51	FO-140M		JUNCTION		94			104
			53	FO-140M	REMOTE-3	JUNCTION					
		SBY MANYAR	85	FO-140M		JUNCTION		114			156
			81	FO-140M	REMOTE-3	JUNCTION					
		SBY MERGOWOSO	183	FO-140M		JUNCTION		451			465
			282	FO-140M	REMOTE-3	JUNCTION					
		SBY RUNGKUT I	101	FO-140M		JUNCTION		480	268	FO-140M	490
			121	FO-140M	REMOTE-3	JUNCTION					
		SBY RUNGKUT II	20	FO-140M	NKF-II	JUNCTION		34	34	FO-140M	34
		SBY JAGIR (DLU)	25	FO-140M		JUNCTION		15			20
		SBY TANDES	106	FO-140M	REMOTE-3	JUNCTION		450	319	FO-140M	450
			10	FO-140M		JUNCTION					
		SBY TANJUNG PERAK	44	FO-140M	REMOTE-3	JUNCTION		40			54
			28	FO-140M		JUNCTION					
		SBY WARU I	52	FO-140M	REMOTE-3	JUNCTION		84	4	FO-140M	84
			37	FO-140M		JUNCTION		83			97
		SBY WARU II	60	FO-140M	REMOTE-3	JUNCTION					
			38	FO-140M	TEL-III	JUNCTION		34			74
		SBY SEPANJANG	36	FO-140M	REMOTE-3	JUNCTION					

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WITEL-VII

FILE: TR-SYS07.WK1

SC	PC	LE	EXISTING FACILITY		REQUIRED NO. OF		EXPANSION		END OF	REMARKS	
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO. OF 2M	SYSTEM	NO. OF 2M
		KRIYAN	3	2G-34M	TEL-IV	JUNCTION	30		27	2G-34M	30 TO EXPAND SYSTEM
		SIDOARJO	75	FO-140M	TEL-IV	JUNCTION	70				75
		SIDOARJO GEDANGAN				JUNCTION	85		85	FO-155M	85
		GRESIK	48	FO-140M	TEL-IV	JUNCTION	108		50	FO-140M	108
			8	2G-34M	REMOTE-2	JUNCTION					
		BANGKALAN	3	1.5G-8M	REMOTE-2		140	6	3	1.5G-8M	6 TO EXPAND SYSTEM
			1	1.5G-8M	REMOTE-2	KAMAL					1 VIA SBY GS
		MOJOKERTO	7	FO-140M	JKT-SBY FO-1	SBY	422	15			17
			12	2G-34M	TEL-IV	SBY KEBALEN			- 2		
			15			LE IN PA	29	16			31
		GONDANG					16	1	1	FO-34M	1
		JOMBANG	15	2G-34M	TEL-IV		314	13			15
		MOJOLUGUNG	4	FO-140M	JKT-SBY FO-1	SBY	72	3	3	FO-34M	4
		MOJOSARI					326	11	11	FO-34M	3
							28	1	1	FO-34M	11
		PLOSQ									1
			4	1.5G-8M	REMOTE-2		84	3			4
		LAMONGAN									
		SUNENEP				SBY	96	4	4	1.5G-8M	4 TO EXPAND SYSTEM
			3	1.5G-8M	REMOTE-2	PAMEKASAN					3
						LE IN PA	2	2	2	FO-34M	2
							46	2	2	FO-34M	2
		KALIAUGET									
		PAMEKASAN	4	2G-17M	REMOTE-2	SBY	184	7	3	2G-17M	7 TO EXPAND SYSTEM
		SAWPAKANG				SBY	138	5	1	1.5G-8M	5 TO EXPAND SYSTEM
			4	1.5G-8M	REMOTE-2	LE IN PA		6	6	1.5G-8M	6 TO EXPAND SYSTEM
		KAMAL	3	1.5G-8M	REMOTE-2	SBY	138	6	6	2G-17M	6 NEW SYSTEM
											3
			1	1.5G-8M	REMOTE-2	BANGKALAN					1

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WITEL-VII

FILE: TR-SYSC7.WK3									
SC	PC	LE	EXISTING FACILITY		DESTINATION		REQUIRED NO. OF		END OF
JR	JEMBER		NO. OF 2M	SYSTEM	PROJECT		CIRCUITS	2MB/S	REPETITA-VI
								NO. OF 2M	NO. OF 2M
			24			TC, SC	77	53	77 BACKBONE
			8 6G-140M	JAWA-BALI D-M/W		SB			
			8 6G-140M	JAWA-BALI D-M/W		JKT			
			4 6G-140M	JAWA-BALI D-M/W		DPR			
			4 6G-140M	JAWA-BALI D-M/W		ML			
			33			PC IN SA	33	-4+8	38
			4			LE IN PA	18	8	30
			24		TEL-TV	LE NPA			
		AMBULU					46	2	2 FO-34M
		BALUNG	8 2G-34M	TEL-IV			44	2	-2
		JATILOTO					32	2	2 FO-34M
		KALISAT	4 FO-140M	CH-EXPANSION			48	2	4
		KENCONG					38	2	2 FO-34M
		PAMBIJUI	8 2G-34M	TEL-IV			54	2	8
		SEMPOLAN					28	1	1 FO-34M
		SUKOWONO					22	1	1 FO-34M
		TANGGUL	8 2G-34M	TEL-IV			48	2	-4
	BONDOWOSO		12 2G-34M	REMOTE-2		JR	64	4	-4
	BANTUWANGI		8 FO-140M	CH-EXPANSION		JR	330	11	3 FO-140M
			16			LE IN PA	17	8	21
		BENCULUK					72	3	3 FO-34M
		GENTENG	4 FO-140M	CH-EXPANSION			78	3	4
		GLENMORE					38	2	2 FO-34M
		KALIBARU					72	3	3 FO-34M
		MUNCAR	8 2G-17M	REMOTE-3			78	3	-3
		ROGOJAMPI	4 FO-140M	CH-EXPANSION			64	3	4
	LUMAJANG		3 2G-34M	REMOTE-2		JR	102	4	1 2G-34M
						LE IN PA	3	3	3
		KLUKAR					44	2	2 2G-17M
		PASIRAN					28	1	1 FO-34M
	PROBOLINGGO		7 2G-34M	REMOTE-2		JR	170	6	7
			2			LE IN PA	4	2	4
		KPAKSAAN	2 2G-8M	REMOTE-2			82	4	2 2G-8M
									4

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WTEL-VI

FILE: TR-SYSG07.WK1									
SC	PC	LE	EXISTING FACILITY		REQUIRE NO. OF		EXPANSION		END OF
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MBS	REPETITA-VI
								NO. OF 2M	NO. OF 2M
									REMARKS
SITUBONDO									
			8	2G-34M	REMOTE-2	JR	174	6	3 2G-34M
			4			LE IN PA	4	2	6
ASAMBAKUS									
			4	2G-34M	TEL-IV		32	2	4
PANARUKAN									
			46				46	2	2 2G-17M
BESUKI									
			80				80	2	2 2G-17M
126 BACKBONE									
ML	ML KOTA		40			TC, SC	126	80	M/W
			16	6G-140M	JAWA-BAL D-M/W	SBY			
			8	6G-140M	JAWA-BAL D-M/W	JKT			
			4	6G-140M	JAWA-BAL D-M/W	BOG			
			4	6G-140M	JAWA-BAL D-M/W	YK			
			4	6G-140M	JAWA-BAL D-M/W	GM			
			4	6G-140M	JAWA-BAL D-M/W	JR			
			10			PC IN SA	34	24	34
			126			LE IN PA	20	7	132
			96			JUNCTION	110	14	110
BULLAWANG									
			8	2G-34M	JUNCTION-TR	ML	40	2	2 FO-34M
			8	2G-34M	JUNCTION-TR	GONDANG L	122	2	8
			16	6G-140M	JUNCTION-TR	ML KOTA	24	1	8
			8	2G-34M	JUNCTION-TR	TUREN			16
			8	2G-34M	JUNCTION-TR	DAMPIT			8
			16	2G-34M	JUNCTION-TR	ML KOTA	146	2	16
			8	2G-34M	PCM-II (SE)	ML	134	5	5
			3	1.5G-34M	REMOTE-2	JUNCTION	28	35	11G-135M
			36	FO-140M	JUNCTION-TR	JUNCTION	56	11	FO-140M
			11	CABLE					56
MALANG BURING									
			64	FO-140M	JUNCTION-TR	JUNCTION	28		64
MALANG GADANG									
			72	FO-140M	JUNCTION-TR	JUNCTION	10		88
MALANG KLOJEN									
			14	CABLE					
			29	FO-140M	JUNCTION-TR	JUNCTION	66	26	FO-140M
			12	CABLE					66
PILON									
			8	2G-34M	TEL-IV	ML	18	1	FO-34M
SINGOSARI									
			48				48	2	8
SUMBER PUCUNG									
			42				42	2	2 2G-17M
TUNPANG									
			44				44	2	2 FO-34M
TUREN									
			26				26	1	8
SANKO JAJAR									
			8	2G-34M	JUNCTION-TR	ML			8
			64	FO-140M	JUNCTION-TR	GONDANG L			64

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WITEL-VII

FILE: TR-SYS07.WMI

SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELTA-VI NO. OF 2M	REMARKS
			NO. OF 2M SYSTEM	PROJECT		CIRCUITS	2M/S	NO. OF 2M	SYSTEM		
BLITAR			5 2G-34M	REMOTE-2	ML	200	7	2	2G-34M	7	
			1 2G-34M	REMOTE-2	SBY					1	
			2 2G-34M	REMOTE-2	KO-ML		-2			0	
			2 2G-34M	REMOTE-2	TA-ML		-2			0	
			0		LE IN PA		7	3		11	
						34	2	2	FO-34M	2	
						30	1	1	2G-17M	1	
						48	2	2	FO-34M	2	
			8 2G-17M	REMOTE-3		54	2	-2	2G-17M	6	
						784	27	22	2G-34M	27 TO EXPAND SYSTEM	17
PASURUAN			5 2G-34M	REMOTE-2	NL						
			16 7-68M	REMOTE-3	SBY						
			1 2G-34M	REMOTE-2	SBY						
			32		LE IN PA		31	6		38	
			4 2G-34M	REMOTE-3		300	10	6	2G-34M	10 NEW SYSTEM	
			4 2G-34M	REMOTE-3		98	4			4	
			3 2G-34M	REMOTE-3		212	8	2G-34M	8 TO EXPAND SYSTEM		
			16 7-68M	REMOTE-3		228	9			16	
								80	44	FO-MW	80 BACKDUNE
MADUN			36		JKT						
			4 6G-140M	JAWA-BALID-MW	SM						
			4 6G-140M	JAWA-BALID-MW	YK						
			4 6G-140M	JAWA-BALID-MW	SLO (PC)						
			4 6G-140M	JAWA-BALID-MW	SBY						
			4 FO-140M	JKT-SBY FO-1	JKT						
			4 FO-140M	JKT-SBY FO-1	BO						
			4 FO-140M	JKT-SBY FO-1	SM						
			4 FO-140M	JKT-SBY FO-1	SLO (PC)						
			4 FO-140M	JKT-SBY FO-1	YK						
CASUBAN			31		SBY						
			4		PC IN SA						
					LE IN PA		39	13		44	
							17	13		17	
			2 1.5G-8M	REMOTE-2		58	2	2	FO-140M	2 KT-SBY FO-1	
			8 2G-17M	REMOTE-3	SURABAN	152	6	4	1.5G-8M	6 TO EXPAND SYSTEM	
								-1		7	
						50	2	2	FO-140M	2 KT-SBY FO-1	
			2 1.5G-8M	REMOTE-2		114	5	3	1.5G-8M	5 TO EXPAND SYSTEM	
					SA	25	1	1	2G-17M	1 TO UTILIZE EXIST	
MAGETAN			8 2G-17M	REMOTE-3	MAGETAN	24	1	-1	2G-17M	7	
WALKURIN											

TABLE 4C-7 DIGITAL TRANSMISSION SYSTEM IN WITEL-VI

FILE: TR-SYS07.WK1									
SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION	END OF
			NO. OF 2M	SYSTEM	PROJECT	CIRCUITS	2MB/S	NO. OF 2M	REPETITA-VI
								SYSTEM	NO. OF 2M
PONOROGO									
			3	2G-34M	REMOTE-2	86	3		3
BOJONEGORO									
			8	2G-34M	CH-EXPANSION	92	4		8
			3	1.5G-8M	REMOTE-2				3
					LE IN PA	2	2	2	2
						46	2	2	2
SUMBER REJO									
			8	2G-34M	JAWA-BALID-M/W	434	15	7	15 TO EXPAND SYSTEM
				ANALOG	31CH (SBY) VIA BL				
			2		LE IN PA	18	14		18
KANDANGAN									
			38			2	2	2	2
KEPUNG									
			10			1	1	1	1
NGADI LUWUH									
			40			2	2	2	2
PAPAR									
			40			2	2	2	2
PARE									
			186	2 1.5G-8M	REMOTE-2	7	5	2G-34M	7 NEW SYSTEM
WATES									
			40			2	2	2	2
TULUNG AGUNG									
			182	8 2G-34M	JAWA-BALID-M/W	7	1	2G-34M	7
				18 CH ANALOG	SBY (VIA BL)				0
			10		LE IN PA	8	4		14
CAMPUR DARAT									
			36			2	2	2	2
NGUNUT									
			44	8 2G-17M	JUNCTION-TR	2		2	8
TRENGGALEX									
			108	2 1.5G-8M	REMOTE-2	4	2	1.5G-8M	4
TUBAN									
			100			4	4	2G-17M	4 NEW SYSTEM
				3 1.5G-8M	REMOTE-2				3
					LE IN PA	4	4		4
JATIROGO									
			18			1	1	2G-17M	1
BABAT									
			88		TN	3	3	2G-34M	3 TO UTILIZE EXIST
				0 2G-34M	JUNCTION-TR		-3		5
BOJONEGORO									
PACTAN									
			82	2 1.5G-8M	REMOTE-2	3	1	1.5G-8M	3
NGANJUK									
			88	4 FO-140M	JKT-SBY FO-I	3			4
					LE IN PA	3	3	FO-140M	3 JKT-SBY FO-I
			70			3	3	FO-140M	3 JKT-SBY FO-I
KERTOSONO									

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TABLE 4C-8 DIGITAL TRANSMISSION SYSTEM IN WTEL-VIII

FILE: TR-SYS28WK1

SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED OF NO.		EXPANSION		END OF REPELTA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM		CIRCUITS	2MB/S	NO. OF 2M	SYSTEM		
SINGARAJA			4	2G-17M	DPR	175	6	2	2G-17M	6	
			16	2G-34M JUNCTION-TR	SERIRIT		2	-1		15	
			8	2G-34M JUNCTION-TR	LOVINA					8	
			16	2G-34M JUNCTION-TR	SGR	48	2	-1		15	
			8	2G-34M JUNCTION-TR	SGR					8	
ANJAPURA			2	1.5G-8M REMOTE-2	DPR	78	3	1	1.5G-8M	3	
			12	6G-140M NUSA TENGGARA	DPR	432	15	3	6G-140M	15	
MATARAM			7	? PCM-II (SIE)							
			8	6G-140M NUSA TENGGARA	JKT					8	
			8	6G-140M NUSA TENGGARA	SBY					8	
			4	6G-140M	SELONG (PC)					4	
			8	6G-140M NUSA TENGGARA	SBW					8	
			4	6G-140M NUSA TENGGARA	BIMA					4	
			4	6G-140M NUSA TENGGARA	KP					4	
			4CH SOPC	SBK							
			7		LE IN PA		8	1		8	
						18	1	1	2G-17M	1	
LEMBAR						86	3			4	
			4	2G-8M PCM-II (SIE)							
			3	2G-8M SYSTRANSJASIKA		32	2			3	
PRAYA			2	1.5G-8M REMOTE-2	DPR	132	6	4	1.5G-8M	6	8 TO EXPAND SYSTEM
			2	1.5G-8M REMOTE-2	DPR	140	5	3	2G-34M	5	5 NEW SYSTEM
SENGGICI					LE IN PA		5	5		5	5 VIA DPR
					KLUNGKUNG	138	5	5	1.5G-8M	5	5 TO EXPAND SYSTEM
			4	1.5G-8M REMOTE-2	DPR			-1		3	
BANGLI											
NEGARA			4	2G-8M	DPR	46	2	2	2G-8M	2	2 TO EXPAND SYSTEM
			4	2G-8M PCM-II (SIE)	MTR					4	
KLUNGKUNG											
SELONG											
SUNBAWA BESAR			4		TC SC		45	41	M/W	45	45 BACKBONE
			4	2G-34M NUSA TENGGARA	DPR						
			8	2G-34M NUSA TENGGARA	MTR (PC)						
						46CH		46CH	TDMA	46CH	8
			8		PC IN SA					8	
SBW			4		LE IN OTHER PA			-1		3	

TABLE 4C-8 DIGITAL TRANSMISSION SYSTEM IN WITEL-VII

FILE: TR-SY08WK1									
SC	PC	LE	EXISTING FACILITY		REQUIRED OF NO.		EXPANSION		END OF
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MBS	REPETITA-VI
								NO. OF 2M	NO. OF 2M
ALAS		TALIWANG	4 2G-17M	REMOTE-3		SBW	30	1	4
						LE IN PA		1	1
			12CH SPC	SBK		ALAS	24	1	1 1.5G-8M
			4 2G-8M	REMOTE-3		SBW		-1	3
DOMPU			4 1.5G-8M	REMOTE-2		BIMA	44	2	2 1.5G-8M
								-2	2
			4 2G-34M	NUSA TENGARA		SBW	120	4	4
			4 1.5G-8M	REMOTE-2		DOMPU		-2	2 1.5G-8M
BIMA			4 2G-34M	NUSA TENGARA		DPR			4
			4 2G-34M	NUSA TENGARA		MTR			4
			4 2G-34M	NUSA TENGARA		LE IN PA		3	3
							32	2	2 2G-17M
SILA							18	1	1 1.5G-8M
TENTE									
VIKKE (VQUEQUE)			12CH SPC	SBK			20	1	20CH
						TC SC			
			2 8G-140M	NUSA TENGARA		SBY			
			2 8G-140M	NUSA TENGARA		DPR			
			8 8G-140M	NUSA TENGARA		KP			
			11 8G-140M	NUSA TENGARA		PC IN SA		11	17
			21CH SPC	SATELLITE					
						LE IN PA			
MAUMERE			4 8G-140M	NUSA TENGARA		END	40CH		40CH
			12CH SPC	SBK					
							14	1	1 2G-17M
LARANTUKA			4 8G-140M	NUSA TENGARA		END	48	2	4
			12CH SPC	SBK					
BAJAWA			4 2G-8M	NUSA TENGARA		END	32	2	2 2G-8M
			12CH SPC	SBK		KP		-2	2 2G-8M
			3 2G-8M	NUSA TENGARA		END	28	1	3
			12CH SPC	SBK					
WOLOARU			4 8G-140M	NUSA TENGARA		END	48	2	4
			12CH SPC	SBK					
MAUMERE			4 8G-140M	NUSA TENGARA		END	48	2	4
			12CH SPC	SBK					
LARANTUKA			4 2G-8M	NUSA TENGARA		END	32	2	2 2G-8M
			12CH SPC	SBK		KP		-2	2 2G-8M
BAJAWA			3 2G-8M	NUSA TENGARA		END	28	1	3
			12CH SPC	SBK					

TABLE 4C-8 DIGITAL TRANSMISSION SYSTEM IN WTEL-VIII

FILE: TR-SYS08.WK1

SC	PC	LE	EXISTING FACILITY		REQUIRED OF NO.		EXPANSION		END OF	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DIRECTION	CIRCUITS	2MBS	NO. OF 2M	REPETITION NO. OF 2M
RUTENG			4		NUSA TENGGARA	END	50	2	4	
			3	2G - 17M	SYSTRANSJASIKA	DPR			3	
			1	2G - 17M	SYSTRANSJASIKA	WGP			1	
			11CH	SCPC	SBK					
			8			LE IN PA		1	1	8
LABUHAN BAJU			8	2G - 17M	REMOTE-3	RTG				8
			12CH	SCPC	SBK					
							22	1	1	2G-17M
REO										
WANGAPU (PANDAWAI)										
			3	2G - 17M	SYSTRANSJASIKA	END	48	2	2	2G-17M
			1	2G - 17M	SYSTRANSJASIKA	DPR			3	
			1	2G - 17M	SYSTRANSJASIKA	RTG			1	
			4	2G - 8M	REMOTE-3	WKB			-2	2
8CH SCPC SBK										
WAKABUBAK										
			4	2G - 8M	REMOTE-3	END	34	2	2	2G-8M
			12CH	SCPC	SBK	WGP			-2	2
2 TO UTILIZE EXIST										
KUPANG										
KP			20		TC, SC	JKT		51	31	M/W
			4	6G-140M	NUSA TENGGARA					51 BACKBONE
			4	6G-140M	NUSA TENGGARA	SBY				
			4	6G-140M	NUSA TENGGARA	DPR				
			8	6G-140M	NUSA TENGGARA	END				
			21		PC IN SA			18	4	23
			8	6G-140M	NUSA TENGGARA	PC IN OTHER SA				8 MTR, LST
			48CH	FDMA/FM	SATELLITE					
			48CH	SCPC	SATELLITE					
						LE IN PA	66CH		66CH	TDNA
CAMP LONG										
SOE			10					1	1	2G-17M
								1	1	2G-17M
								1	1	2G-17M
KEFAMENAHU			3	6G-140M	NUSA TENGGARA	KP	40	2		2
			12CH	SCPC	SBK					
						LE IN PA		1	1	2G-17M
NIKI - NIKI			14					1	1	2G-17M
								1	1	2G-17M
								1	1	2G-17M
KEFAMENAHU			3	2G - 8M	NUSA TENGGARA	KP	26	1		3
			12CH	SCPC	SBK					

TABLE 4C-6 DIGITAL TRANSMISSION SYSTEM IN WTEL-VII

FILE: TR-9YSDSWKI									
SC	PC	LE	EXISTING FACILITY		REQUIRED OF NO.		EXPANSION		END OF
			NO. OF 2M SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO. OF 2M SYSTEM	REPELITA-VI NO. OF 2M
									REMARKS
ATAMBUA			3 2G-8M	NUSA TENGGARA	KP	44	2		3
			17CH SCPC	SATELLITE					
MALIANA			12CH SCPC	SBK	LE IN PA	40	2	2 2G-17M	2
			12CH SCPC	SBK	ATAMASUA	40	2	2 2G-17M	2
BASA (TIMUR)			4 2G-8M	REMOTE-3	KP	14	1		4
			12CH SCPC	SBK					
SEBA (TIMUR)			12CH SCPC	SBK	LE IN PA	6	1		12CH
			4 2G-8M	NUSA TENGGARA	KP	32	2		4
KALABAH			17CH SCPC	SATELLITE					
			3 2G-8M	NUSA TENGGARA	KP	26	1	1 2G-8M	1
ERMEBA			4CH SCPC	SBK	DLI				3
			4 FO-8M	REMOTE-3	KP	40	2	2 FO-8M	2 TO EXPAND SYSTEM
BAUCAU			17CH SCPC	SATELLITE	LE IN PA	14	1		1
			4 FO-8M	REMOTE-3	BAUCAU	14	1	1 FO-8M	1
DILLI			12CH SCPC	SBK	DLI			-1 FO-8M	3
			4 6G-14M	NUSA TENGGARA	KP	142	5	1 6G-14M	5
ALEU			4 6G-14M	NUSA TENGGARA	JKT				4
			4 6G-14M	NUSA TENGGARA	SBY				4
ANARO			4 6G-14M	NUSA TENGGARA	DPR				4
			4 2G-17M	REMOTE-3	BAUCAU			-1	4
LIQUISA			4 2G-17M	REMOTE-3	MANATUTO				3
			6CH SCPC	SATELLITE					
LOSPALOS			2	NUSA TENGGARA	LE IN PA	8CH		8CH TONA	8CH
			12CH SCPC	SBK		24	1	1 2G-17M	1
PANTE MAKASAR			12CH SCPC	SBK		20	1	8CH SCPC	20CH
			2 2G-8M	NUSA TENGGARA	DLI	30	1		2
SANE			12CH SCPC	SBK		38	2	26CH SCPC	30CH
			12CH SCPC	SBK		32	2	2 FO-34M	2
SUNI			12CH SCPC	SBK		30	1	18CH SCPC	30CH
			12CH SCPC	SBK		32	2	20CH SCPC	30CH

TABLE 4C-6 DIGITAL TRANSMISSION SYSTEM IN WITEL-IX

FILE: TR-SYS08.WK1												
SC	PC	LE	EXISTING FACILITIES			DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-10 NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM	PROJECT		CIRCUITS	2MB/S	NO. OF 2M	SYSTEM		
BJM	BANJARMASIN KOTA		58					93	35	FO/M/W	93	BACKBONE
			40	FO-280M	SB-BJM FO	OTHER WITEL						
			8	6G-140M	CROSS-KAL-1	PTK						
			8	6G-140M	CROSS-KAL-1	SPT						
			2	2G-34M	BJM-BPP	SMR						
			2	2G-34M	BJM-BPP	BPP (PC)					2	
			72CH	FDM/FM	SATELLITE							
			146CH	TDMA	TDMA-1 & 2							
			60CH	SCPC	SATELLITE			19CH			146CH	
			30			PC IN SA		27	10		43	
			15			LE IN PA		18	7		22	
			3			LE IN OTHER PA						
			56			JUNCTION		27				
			8	FO-140M	REMOTE-3	BJM		272	10		14	
			8	FO-140M	REMOTE-3	BJM ULIN					8	
8	2G-34M	BJM-BPP	BJM									
1	2G-34M	BJM-BPP	BJM		128	5	5	2G-17M	5			
1	2G-34M	BJM-BPP	BJM		54	2	1	2G-34M	2			
28			BJM		28	1	1	2G-34M	1			
58	FO-140M	REMOTE-3	BJM KOTA						58			
8	FO-140M	REMOTE-3	BANJAR BARU		27				8			
PLEIHARI			8	2G-34M	REMOTE-3	BJM	60	2		8		
			9CH	SCPC								
			2	2G-34M	REMOTE-3	KINTAP				2		
KINTAP			2	2G-34M	REMOTE-3	PLEIHARI				2		
			4	2G-8M	SISTRANASUKA	BJM (SOCH ANALOG)	92	4		8		
			4	6G-140M	CROSS-KAL-1	BJM						
KUALA KAPUAS						LE IN PA	24	2	2	2		
			12CH	SCPC	98K		24	1	1	6G-140M	1	
							28	1	1	2G-34M	1	
PALANGKARAYA			8	6G-140M	CROSS-KAL-1	BJM	132	5		8		
			61CH	SCPC								

TABLE 4C-9 DIGITAL TRANSMISSION SYSTEM IN WITEL-IX

FILE: TR-SYSCS.WK1														
SC	PC	LE	EXISTING FACILITIES		REQUIRED NO. OF		EXPANSION		END OF	REMARKS				
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MB/S	NO. OF 2M	SYSTEM	NO. OF 2M			
BUNTOK			24CH SCPC			LE IN PA	34	2	2	2G-17M	2			
								1	1	2G-17M	1			
							28	1	1	2G-17M	1			
AMPAH														
TANJUNG TABALONG			1 2G - 34M BJM-BPP			BJM	80	2	1	2G - 34M	2			
			5CH SCPC SBK											
KANDANGAN		RANTAU	1 2G - 34M BJM-BPP			BJM	186	7	6	6G-140M	7			
			4					12	9		13			
							54	2	2	2G-34M	2			
			1 2G - 34M BJM-BPP											
			4 2G - 6M REMOTE-3				62	3			4			
							76	3	3	2G-34M	3			
			1 2G - 34M BJM-BPP											
AMUNTAI						BJM	106	4	4	2G-34M	4			
			1 2G - 34M BJM-BPP											
MUARA TEWEH														
KOTA BARU			12CH SCPC			BJM	44	2	2	2G-17M	2			
			8 2G-34M REMOTE-3				128	5			3			
SATU			12CH SCPC			LE IN PA								
			6 2G - 34M REMOTE-3					3	4		10			
			2 2G - 34M REMOTE-3								2			
			2 2G - 34M REMOTE-3								2			
			2 2G - 34M REMOTE-3								2			
BATTULICIN			2 2G - 34M REMOTE-3			KTB	164	6	4	2G-34M	6			
SAMPIT			16			TC, SC		45	28	M/W	45	BACKBONE		
			8 6G-140M CROSS-KAL-1											
			4 6G-140M CROSS-KAL-1											
			4 6G-140M CROSS-KAL-1											
			12 6G-140M CROSS-KAL-1											
			4 6G-140M CROSS-KAL-1											
			12CH SCPC											
			5CH SCPC SBK											
			5CH SCPC SBK											
			5CH SCPC SBK											
			4 6G-140M CROSS-KAL-1											
			12CH SATELLITE											
			KUALA KUAYAN					5CH SCPC SBK			LE IN OTHER PA	8	1	1
		24			1	1		6G-140M	1					
KASONGAN			5CH SCPC SBK			LE IN PA	22	1	1	2G-17M	1			
PANGOLAN BUN			4 6G-140M CROSS-KAL-1			SPT	88	4			4			
			18CH SCPC SBK											

TABLE 4C-9 DIGITAL TRANSMISSION SYSTEM IN WTEL-IX

FILE: TR-SYSC8WK1

SC	PC	LE	EXISTING FACILITIES			REQUIRED NO. OF		EXPANSION		END OF REPETITA-VI NO. OF 2M	REMARKS	
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2M/S	NO. OF 2M			SYSTEM
KETAPANG			4	8G-140M	CROSS-KAL-2	SPT	94	3		4		
			10CH	SCPC								
						LE IN PA			2	2	2	2
						KATAPANG			2	2	2	2
SUKADANA			4	6G-140M	CROSS-KAL-1	SPT	44			2	2	
			7CH	SCPC	SBK						4	
			4	6G-140M	CROSS-KAL-2	SPT	18	1			4	
			5CH	SCPC			12	1	7CH	SCPC	12CH	
KUALA KULUN							6	1	1	2G-17M	1	
PURUK CAH			16						94	63	94	BACKBONE
			8	6G-140M	CROSS-KAL-2	BIM						
			4	6G-140M	CROSS-KAL-2	PTX						
			4	6G-140M	CROSS-KAL-2	SPT						
Samarinda			52			PC IN SA			34	7	58	
			4			LE IN PA			4		4	
			120CH	FDW/FM	SATELLITE							
			80CH	TDMA	SATELLITE		180CH		80CH	TDMA	180CH	
Tenggarong			60CH	SCPC	SATELLITE							
			4	2G-8M	SISTRANUSKA	SMR 20CH ANALOG	110	4			4	
			48	8G-140M	CROSS-KAL-2	SMR	648	22			48	
			2	2G-34M	BIM-BPP	BIM						
Balikpapan			1	2G-34M	BIM-BPP	TST						
			40	FO-140M	JUNCTION-TR	JUNCTION	1,894	58	18	FO-140M	58	
			96CH	FDW/FM	SATELLITE							
			38CH	SCPC	SATELLITE							
Balikpapan-SPG			118CH	TDMA	TDMA-2							
			40	FO-140M	JUNCTION-TR	JUNCTION	1,894	58	18	FO-140M	58	
Tanah Grogot						SMR	46	2	2	6G-140M	2	
			1	6G-140M	BIM-BPP	BPP					1	
MALAK (LONGIRAM)							16	1	16CH	SCPC	16CH	
BONTANG			4	?	PKS	SMR	138	5	1	6G-140M	5	
			84CH	FDW/FM								
			12CH	SCPC	SBK							
Tanjung REDEP			120CH	SCPC	SBK	SMR	100	4	4	6G-140M	4	

TABLE 4C-9 DIGITAL TRANSMISSION SYSTEM IN WITEL-IX

FILE : TR-SYS03.WK1												
SC	PC	LE	EXISTING FACILITIES			REQUIRED NO. OF		EXPANSION	END OF REPETA-VI NO. OF 2M	REMARKS		
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS				2M/S	
TAR	TARAKAN		42CH	SCPC		TC,SC		43	43	8G-140M	43 BACKBONE	
								38		38CH	TDMA	38CH
							PC IN SA		3	3		3
							LE IN PA		4	4		4
								82	4	4	2G-17M	4
PTK	TANJUNG SELOR		12CH	SCPC	SBK			34	2	2	8G-140M	2
								28	1	1	2G-17M	1
PTK	PONTIANAK		40			TC,SC		65	25	FO/M/W	65 BACKBONE	
			8 2G - 34M	CROSS-KAL-2		B/M						
			4 2G - 34M	CROSS-KAL-2		SMR						
			8 2G - 34M	CROSS-KAL-2		SBY						
			16 2G - 34M	CROSS-KAL-2		JKT						
			4 2G - 34M	CROSS-KAL-2		SPT						
			84CH	FDW/FM	SATELLITE							
			29CH	TDMA	SATELLITE							
			98CH	SCPC	SATELLITE							
			18 2G - 34M	CROSS-KAL-2		PC IN SA		16	1			19
PTK	SUNGAI PINYUH MEMPAWAH		4 2G - 34M	CROSS-KAL-2		LE IN PA		6	8		12	
								56	2	2	2G-17M	2
								90	98	4		4
PTK	PONTIANAK II PONTIANAK K		12CH	SCPC		PTX		68	3	3	FO-140M	3
								68	3	3	FO-140M	3
PTK	SINGKAWANG		8 2G - 34M	CROSS-KAL-2		PTX		142	5			8
			24CH	SCPC								
			8 2G - 34M	CROSS-KAL-2		LE IN PA			10	3		11
			12CH	SCPC	SBK			34	2	2	2G-17M	2
			4 2G - 34M	CROSS-KAL-2		SW		128	5	1	2G-34M	5
			4 2G - 34M	CROSS-KAL-2		SW		90	3			4
			12CH	SCPC								
PTK	NGABANG		2 2G - 34M	CROSS-KAL-2		PTX		42	2		2	
			12CH	SCPC	100 SBK							

TABLE 4C-9 DIGITAL TRANSMISSION SYSTEM IN WITEL -IX

FILE : TR-SYS09WK1

SC	PC	LE	EXISTING FACILITIES			REQUIRED NO. OF		EXPANSION		END OF REPETITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MBS	NO. OF 2M	SYSTEM	
SANGGAU			3	2G - 34M	CROSS-KAL-2	PTK	70	3			3
			8CH	SCPC	SBK						
			2		CROSS-KAL-2	LE IN PA		4			3
			2	2G - 34M	CROSS-KAL-2		32	2			3
SINTANG		SEKADAU BALAIKARANGAN	12CH	SCPC	SBK		40	2	28CH	SCPC	40CH
			3	2G - 34M	CROSS-KAL-2	PTK	82	3			3
			24CH	SCPC							
PUTUSABAU			2	2G - 34M	CROSS-KAL-2	PTK	36	2			2
			14CH	SCPC							
						LE IN PA		1	1		1
NANGAPINOH		SEMITAN					18	1	1	2G-34M	1
			12CH	SCPC			28	1	1	2G-17M	1

TABLE 4C-10 DIGITAL TRANSMISSION SYSTEM IN WITEL X

FILE: TR-SYSTOWKI

SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF		EXPANSION		END OF	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2M/S	NO. OF 2M	SYSTEM	REPETITA-VI NO. OF 2M
WATAMPONE											
			8	6G-140M	TRANS-SUL 1	UP	130	5			8
			4	6G-140M	TRANS-SUL 1	JKT					4
			4	6G-140M	TRANS-SUL 1	SBY					4
			4	6G-140M	TRANS-SUL 1	KOI					4
			4	6G-140M	TRANS-SUL 1	PRE					4
			4	2G-1.5M	RA-2, T-SUL 1	SENGKANG					4
			4	6G-140M	TRANS-SUL 1	WATANSOPENG					4
			4	2G-8M	REMOTE-3	SINJAI					4
17CH SCPC SATELLITE											
WATANSOPENG											
			4	1.5G-8M	RA-2, T-SUL 1	UP	42	2	2	1.5G-8M	2 TO UTILIZE EXIST
						WTP			-2		2
CABENGGE											
						LE IN PA	22	1	1	2G-17M	1
						WATANSOPENG	22	1	1	2G-17M	1
BANTAEANG											
			4	1.5G-8M	REMOTE-2	UP (BY SISTRANSJASIKA)	82	3			4
						LE IN PA			3	1.5G-8M	3 TO EXPAND SYSTEM
						BANTAEANG	88	3	3	1.5G-8M	3 TO EXPAND SYSTEM
BULUKUMBA											
			4	1.5G-8M	REMOTE-2	UP (BY SISTRANSJASIKA)					4
BENTENG											
			4	2G-17M	SISTRANSJASIKA	UP (30CH ANALOG)	34	2			4
SINJAI											
			4	2G-8M	REMOTE-3	UP	50	2	2	2G-8M	2 TO UTILIZE EXIST
						WTP			-2		2
17CH SCPC SATELLITE											
TAKALAR											
			12CH SCPC	98K			26	1	1	2G-17M	1
JENEPONT											
			4	2G-8M	REMOTE-3	UP	38	2	2	2G-8M	2 TO UTILIZE EXIST
						BONTOTINO			-2		2
12CH SCPC SSK											

FILE:TA-SYS10.WK1

FILE:TA-SYS10.WK1

TABLE 4C-10 DIGITAL TRANSMISSION SYSTEM IN WITEL X

FILE:TR-SYS10.WK1

SC	PC	LE	NO. OF 2M	SYSTEM	PROJECT	EXISTING FACILITY	DESTINATION	CIRCUITS	REQUIRED NO. OF 2MBS	EXPANSION NO. OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
MALEU			4	2G - 8M	TRANS-SUL 1		PRE	30	1	1	2G-8M	1 TO UTILIZE EXIST	
					PLP				-1		3		
MAKULU			12CH	SCPC	SBK			28	1	14CH	SCPC	28CH	
ENREKANG			5CH	SCPC	SBK		PRE	32	2	2	2G-17M	2 VIA PINRANG	
SENGKANG			4	CABLE	RA-2,T-SUL 1		PRE	54	2	2	1.5G-8M	2 TO UTILIZE EXIST	
							WTP			-2		2	
MO	MANADO I		44				TC,SC		68	25	M/W	68 BACKBONE	
			12	6G-140M	TRANS-SUL 1		JKT						
			8	6G-140M	TRANS-SUL 1		SBY						
			12	6G-140M	TRANS-SUL 1		UP						
			4	6G-140M	TRANS-SUL 1		PAL						
			4	6G-140M	TRANS-SUL 1		PRE						
			4	6G-140M	TRANS-SUL 1		KDI						
			156CH	FDI/FM	SATELLITE								
			56CH	TDMA	SATELLITE			134CH		78CH	TDMA	134CH	
			48CH	SCPC	SATELLITE								
			4	6G-140M	TRANS-SUL 1		LK (PC)						
			4	6G-140M	TRANS-SUL 1		PLP (PC)						
			4	6G-140M	TRANS-SUL 1		KTG (PC)						
			14	6G-140M	TRANS-SUL 1		PC IN SA		25	9		23	
			2				LE IN PA		26	26		26	
MANADO II								680	23	23	FO-155M	23	
TOMOHON			2	1.5G - 8M	REMOTE-2		MO	62	3	1	1.5G-8M	3	
			8	2G - 34M	TRANS-SUL 2		TONDANO					8	
TONDANO			2	1.5G - 8M	REMOTE-2		MO	72	3	1	1.5G-8	3	
			8	2G - 34M	TRANS-SUL 2		TOMOHON					8	
							LE IN PA		82	3	2G-17M	3	
								62		3	2G-17M	3	
	KAWANGKOAN												
			24CH	SCPC	SATELLITE			80	3	56CH	SCPC	80CH	
TAHUNA													
KOTAMOBAGU			4	ENTRANCE	TRANS-SUL 1		MO	64	3			4	
			17CH	SCPC	SBK								

TABLE 4C-10 DIGITAL TRANSMISSION SYSTEM IN WITEL X

SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF CIRCUITS	EXPANSION	END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	2MBS NO. OF 2M	SYSTEM	
GORONTALO			8 2G-34M	TRANS-SUL 1	MO	MO	218	8	8
			4 2G-34M	TRANS-SUL 1	UP	UP			4
			30CH TDMA	SATELLITE					
			19CH SCPC	SATELLITE					
			4		LE IN PA	LE IN PA	77	3	7
			4 ?	?	KWD	KWD			4
			4 ?	?	GT	GT			4
			4 2G-8M	SISTRANJASIKA	GT (30CH ANALOG)	GT (30CH ANALOG)	112	5	5 TO EXPAND SYSTEM
							36	2	2
							182	7	7
BITUNG					MO	MO		7	2G-34M
					LE IN PA	LE IN PA	1	1	2G-17M
							18	1	2G-17M
AIR MADIDI							22	1	2G-17M
									1
AMURANG			12CH SCPC	SBK					
							53	13	53 BACKBONE
PALU			40						
			8 6G-140M	TRANS-SUL 1	JKT	JKT			
			8 6G-140M	TRANS-SUL 1	SBY	SBY			
			12 6G-140M	TRANS-SUL 1	UP	UP			
			4 6G-140M	TRANS-SUL 1	KOI	KOI			
			4 6G-140M	TRANS-SUL 1	PRE	PRE			
			4 6G-140M	TRANS-SUL 1	MO	MO			
			72CH SCPC	SATELLITE					
			12		PC IN SA	PC IN SA	13	2	14
			4 6G-140M	TRANS-SUL 1	PLP (PC)	PLP (PC)			4
DONGGALA			2 2G-17M	REMOTE-2	LE IN PA	LE IN PA	3	1	2G-17M
			2		LE IN OTHER PA	LE IN OTHER PA			2
			2 VF CABLE (10P)				56	2	2
							36	1	1 TO INSERT INT EXIST
							20	1	1
			12CH SCPC	SBK					
			4 6G-140M	TRANS-SUL 1	PAL	PAL	130	5	5 CABLE ENTRANCE
			17CH SCPC	SATELLITE					
			8		LE IN PA	LE IN PA	4	2	10
TENTENO			4 2G-8M	TRANS-SUL 1	POSO	POSO	32	2	2
			4 2G-8M	TRANS-SUL 2			50	2	4
			12CH SCPC	SBK					
PALU									

TABLE 4C-10 DIGITAL TRANSMISSION SYSTEM IN WITEL X

FILE: TR-SYS10.WK1									
SC	PC	LE	EXISTING FACILITY		EXPANSION		END OF		REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	REQUIRED NO. OF 2M/S	REPETITION NO. OF 2M
TOU TOLI			4	2G-34M	TRANS-SUL 2	PAL	68	3	4
			4	2G-34M	TRANS-SUL 2	UP			4
			9CH SCPC	68K					
			4	?	?	TINOMBO			
			4	?	?	MOUTONG			
			4	?	?	TLI			
			4	?	?	TLI			
			4	2G-34M	TRANS-SUL 2	PAL	92	4	4
			4	2G-34M	TRANS-SUL 2	UP			4
			4	2G-34M	TRANS-SUL 2	MO			4
BUNTA			19CH SCPC	SATELLITE					
			4	2G-34M	TRANS-SUL 2	LE IN PA			4
			4	2G-8M	TRANS-SUL 2	LK			4
			12CH SCPC	SBK		PAL	18	1	1
			40				47	7	47 BACKBONE
			8	6G-140M	TRANS-SUL 1	JKT			
			8	6G-140M	TRANS-SUL 1	SBY			
			12	6G-140M	TRANS-SUL 1	UP			
			4	6G-140M	TRANS-SUL 1	PRE			
			4	6G-140M	TRANS-SUL 1	MO			
PALANGGA			4	6G-140M	TRANS-SUL 1	PAL			
			54CH SCPC	SATELLITE					
			4	6G-140M	TRANS-SUL 1	PLP (PC)	58CH	TDMA	58CH
			16			PC IN SA			4
			8			LE IN PA	4	1	16
			8	2G-17M	REMOTE-3	KDI	14	1	8
			12CH SCPC	SBK			78	3	1
			4	2G-17M	REMOTE-3	KDI			8 VIA TR-SUL
			4	2G-17M	REMOTE-3	KDI	88	3	
			4	2G-17M	REMOTE-3	RHA			4
BAU-BAU			17CH SCPC	SBK		LE IN PA	16	1	16CH SCPC
			4	2G-17M	REMOTE-3				16CH
			4	2G-17M	REMOTE-3				
			17CH SCPC	SBK					
			4	2G-17M	REMOTE-3				
			4	2G-17M	REMOTE-3				
			17CH SCPC	SBK					
			4	2G-17M	REMOTE-3				
			4	2G-17M	REMOTE-3				
			17CH SCPC	SBK					
WANDI			4	2G-17M	REMOTE-3				
			4	2G-17M	REMOTE-3				
			17CH SCPC	SBK					
			4	2G-17M	REMOTE-3				
			4	2G-17M	REMOTE-3				
			17CH SCPC	SBK					
			4	2G-17M	REMOTE-3				
			4	2G-17M	REMOTE-3				
			17CH SCPC	SBK					
			4	2G-17M	REMOTE-3				

TABLE 4C-10 DIGITAL TRANSMISSION SYSTEM IN WITEL X

FILE: TR-SYS/DWK1

SC	PC	LE	EXISTING FACILITY			REQUIRED NO. OF		EXPANSION	END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M	SYSTEM	PROJECT	DESTINATION	CIRCUITS	2MBS.	NO. OF 2M	SYSTEM
RAHA			4	2G-17M	REMOTE-3	KOI	80	3		4
			4	2G-17M	REMOTE-3	BAU				4
			17CH	SCPC	SATELLITE					
KOLAKA			8	8G-140M	TRANS-SUL 1	KOI	62	3		8
			17CH	SCPC	SATELLITE	LE IN PA				
LASUSUA							24	1	1	2G-17M
									1	2G-17M

TABLE 4C-11 DIGITAL TRANSMISSION SYSTEM IN WTEL XU

FILE: TR-SYS11.WK1

SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	REMARKS
			NO. OF 2M SYSTEM	PROJECT		CIRCUITS	2MB/S	NO. OF 2M	SYSTEM		
AB	AMBON CENTRUM		144CH FDM/FM	SATELLITE				60	FO		60 BACKBONE
			56CH SCPC	SATELLITE		118CH		118CH	TDMA		118CH
			4 2G - 34M	REMOTE-3	MASOHI			1	1		4
			12		LE IN PA			14	2 2G-34M		14
					JUNCTION			10	10 2G-34M		10
		AMBON PASO	8 2G - 34M	REMOTE-3	JUNCTION			7	10		12
		AMBON POKA	4 2G - 3M	STRANJASKA	JUNCTION			1	1 2G-17M		1
		LEIHUTU				8		1			
		NAMLEA	5CH SCPC	SBK	LE IN PA	82	3	77CH	SCPC		82CH
		PULAU SAPARUA	4 2G - 34M	REMOTE-3	AB	80	3				4
	MASOHI		4 2G - 3M	REMOTE-3	AB	60	2				4
			12CH SCPC	SBK							
		BULA			LE IN PA	18	1	18CH	SCPC		18CH
		TUAL	24CH SCPC	SATELLITE		52	2	28CH	SCPC		32CH
		DOBRO	12CH SCPC	SBK		28	1	16CH	SCPC		28CH MODIFICATION OF SBK
		SAUMLAKI	5CH SCPC	SBK		42	2	37CH	SCPC		42CH MODIFICATION OF SBK
		BANDA NEIRA	12CH SCPC	SBK		18	1	6CH	SCPC		18CH MODIFICATION OF SBK
		TERNATE	8		PC IN SA	244CH		244CH	TDMA		244CH
			44CH SCPC	SATELLITE			4	2			10
		JAOLOLO			TT	22	1	1	2G-17M		1

TABLE 4C-11 DIGITAL TRANSMISSION SYSTEM IN WITEL XI

FILE: TR-SYS11.WK1

SC	PC	LE	EXISTING FACILITY		DESTINATION	REQUIRED NO. OF		EXPANSION		END OF	REMARKS
			NO. OF 2M SYSTEM	PROJECT		CIRCUITS	2MB/S	NO. OF 2M	SYSTEM	REPETITION	
TOBELO			17CH SPC	SATELLITE	LE IN PA	60	2	43CH	SPC	NO. OF 2M	60CH
		MOROTAI SELATAN	12CH SPC	SBK		8	1				12CH
		GANIE BARAT				8	1	8CH	SPC		8CH
		LAWUI				8	1	8CH	SPC		8CH
		DALTAMILA				34	2	2	2G-17M		2 FOR SANANA
WEDA					TT	10	1	1	2G-17M		1
LABUHA			12CH SPC	SBK		16	1	4CH	SPC		16CH MODIFICATION OF SBK
SANANA			5CH SPC	SATELLITE		32	2	27CH	SPC		32CH MODIFICATION OF SBK
SOASIU			8 2G-17M	REMOTE-3	TT	45	2				8
			12CH SPC	SBK							12CH

TABLE 4C-12 DIGITAL TRANSMISSION SYSTEM IN WTEL XI

FILE: TR-SYS12WK1

SC	PC	LE	NO. OF 2M	SYSTEM	PROJECT	EXISTING FACILITY	DESTINATION	REQUIRED NO. OF CIRCUITS	2MBS	EXPANSION NO. OF 2M	SYSTEM	END OF REPELITA-VI NO. OF 2M	REMARKS
SON	SORONG		TC, SC										
			36CH	FDM/FM	SATELLITE								
			44CH	SCPC	SATELLITE								
			LE IN PA										
								8	1	1	2G-17M	1	
								36	2	2	24CH	36CH	
			12CH	SCPC	SBK								
			24CH	SCPC	SATELLITE			78	3	3	52CH SCPC	76CH	
			17CH	SCPC	SATELLITE			32	2	2	15CH SCPC	32CH	
								63	63	3	FO	63	BACKBONE
JAP	JAYAPURA		PC IN SA										
			108CH	FDM	SATELLITE								
			82CH	SCPC	SBK								
			LE IN PA										
								14	7	7	2G-34M	14	
								194	5	5	2G-34M	7	
								144	5	5	2G-34M	5	
								10	1	1	2G-17M	1	
								10	1	1	2G-17M	1	
								10	1	1	2G-17M	1	
BIAK	SUJIORI		55CH	SCPC	SATELLITE			88	3	3	FO	3	
			LE IN PA										
								12	1	1	12CH SCPC	12CH	
								10	1	1	10CH SCPC	10CH	
			21CH	SCPC	SATELLITE			70	3	3	39CH SCPC	70CH	
			22CH	SCPC	SATELLITE			42	2	2	20CH SCPC	42CH	
								8	1	1	8CH SCPC	8CH	
			12CH	SCPC	SBK			52	2	2	40CH SCPC	52CH	
								16	1	1	16CH SCPC	16CH	
			12CH	SCPC	SATELLITE			10	1	1	SCPC	12CH	
WAMENA	KIWIROK		12CH	SCPC	SBK			52	2	2	40CH SCPC	52CH	
								8	1	1	8CH SCPC	8CH	
			21CH	SCPC	SATELLITE			70	3	3	39CH SCPC	70CH	
			22CH	SCPC	SATELLITE			42	2	2	20CH SCPC	42CH	
								8	1	1	8CH SCPC	8CH	
			12CH	SCPC	SBK			52	2	2	40CH SCPC	52CH	
								16	1	1	16CH SCPC	16CH	
			12CH	SCPC	SATELLITE			10	1	1	SCPC	12CH	
			12CH	SCPC	SBK			52	2	2	40CH SCPC	52CH	
								8	1	1	8CH SCPC	8CH	

TABLE 4C-12 DIGITAL TRANSMISSION SYSTEM IN WITEL XII

FILE : TR-SYS12.WK1

SC	PC	LE	EXISTING FACILITY		NO. OF 2M	SYSTEM	PROJECT	DESTINATION	REQUIRED NO. OF		EXPANSION		END OF REPELITA-VI NO. OF 2M	REMARKS
									CIRCUITS	2MBS	NO. OF 2M	SYSTEM		
MERAUKE	MERAUKE		30CH SCPC	SATELLITE					122CH		122CH	TDMA	122CH	
											1	40CH SCPC	30CH	
									10				10CH	
TANAH MERAH		AGATS	12CH SCPC	SBK					10		1		12CH	
TIMIKA (MIMIKA TIMUR)			24CH SCPC	SATELLITE					60		2	36CH SCPC	80CH	

Data 5

Cost Estimate

COST ESTIMATION for P.C AREAS (WITEL I)

NO.	EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1	MEDAN CEN. BALAIKOTA	61	103,150	25,000	26,380	37,200	6,463,200	0	22,497,506	18,317,195	0	45,277,901
2	PANGKALAN BRANDAN	620	0	0	4,430	2,200	0	3,654,148	0	0	0	3,654,148
3	TERING TINGGI DELI	621	0	270	7,030	2,440	2,813,180	5,338,689	0	0	0	8,151,869
4	P. SIANTAR CEN.	622	0	460	17,650	6,620	5,105,300	0	0	0	5,864,198	10,969,498
5	KISARAN	623	4,990	0	5,370	2,250	2,031,590	0	0	4,421,401	0	6,452,991
6	KANTAU PRAPAT	624	2,030	0	1,070	450	0	0	0	0	7,061,543	7,061,543
7	PARAPAT	625	0	0	1,493	713	1,510,530	0	0	129,741	0	1,640,271
8	PANGURURAN	626	400	0	0	0	0	0	105,512	0	0	105,512
9	SIDIKALANG	627	1,110	0	0	0	0	0	0	290,488	0	290,488
10	KABANJAH	628	430	0	3,340	1,330	2,057,643	1,425,855	0	0	0	3,483,498
11	KUTA CANE	629	0	0	2,536	896	0	0	0	1,910,704	0	1,910,704
12	SIBOLGA	631	0	40	6,504	4,004	0	0	0	5,454,908	0	5,454,908
13	BALIGE	632	920	0	560	200	0	0	1,636,884	0	0	1,636,884
14	TARUTUNG	633	1,530	0	240	200	0	0	1,712,438	0	0	1,712,438
15	PADANG SIDENPUAN	634	1,980	0	360	40	0	0	1,860,940	0	0	1,860,940
16	PANYABUNGAN	636	540	0	250	100	0	0	1,457,119	0	0	1,457,119
17	GUNUNG SITOLI	639	2,190	0	0	0	0	0	571,861	0	0	571,861
18	LANGSA	641	5,510	0	400	700	0	2,782,332	0	0	0	2,782,332
19	BLANG KEJEREN	642	90	0	0	0	0	0	0	24,748	0	24,748
20	TARENGON	643	2,680	0	0	0	0	0	699,520	0	0	699,520
21	BIREUEN	644	0	0	2,560	750	0	0	0	3,166,957	0	3,166,957
22	LHOKSEUMAWA	645	39,000	0	1,270	350	0	0	11,745,443	0	0	11,745,443
23	IDI	646	0	0	2,190	400	1,380,265	0	0	441,596	0	1,821,861
24	SINABANG	650	0	0	780	350	0	1,455,819	0	0	0	1,455,819
25	BANDA ACHE CENTRUM	651	21,780	0	410	3,150	3,910,550	0	0	0	4,377,111	8,287,661
26	SABANG	652	0	0	1,000	400	1,510,530	0	0	0	0	1,510,530
27	SIGLI	653	0	490	2,230	800	1,510,530	0	0	0	2,949,412	4,459,842
28	CALANG	654	0	0	500	120	0	1,380,265	0	0	0	1,380,265
29	MEULABOH	655	0	0	2,386	946	0	0	3,121,625	0	0	3,121,625
30	TARAK TUAN	656	1,470	0	0	0	0	0	384,279	0	0	384,279
31	BARUNGAN	657	0	0	640	100	0	0	0	1,416,739	0	1,416,739
32	SINGKIL	658	0	0	630	230	0	0	0	1,414,134	0	1,414,134
33	BLANG PIDIE	659	530	0	0	0	0	0	139,381	0	0	139,381
TOTAL			190,330	26,260	92,219	56,939	28,293,318	16,047,108	45,932,508	34,988,611	20,252,264	145,513,808

COST ESTIMATION for P.C AREAS (WITEL II)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 PADANG CENTRUM	751	830	23,830	0	0	3,464,505	5,487,517	0	0	0	8,952,023
2 BUKIT TINGGI	752	3,700	1,020	8,720	5,600	1,640,785	0	0	5,617,228	0	7,258,023
3 LUBUK SIKAPING	753	880	0	380	100	0	1,528,762	0	0	0	1,528,762
4 SAWAHLUNTO	754	470	0	1,186	1,196	0	1,686,643	0	0	0	1,686,643
5 SOLOK	755	2,080	0	0	0	392,085	155,007	0	0	0	547,102
6 PAINAN	756	310	0	0	0	0	82,064	0	0	0	82,064
7 BALAI SLASA	757	140	0	0	0	0	37,774	0	0	0	37,774
8 MUARA SIBEURAT	759	0	0	570	50	0	0	1,398,502	0	0	1,398,502
9 TELUK KUANTAN	760	300	0	0	0	0	79,458	0	0	0	79,458
10 PERANBARU CENTRUM	761	16,600	0	0	0	523,660	0	2,928,637	564,045	313,936	4,331,298
11 BANGKINANG	762	1,520	0	0	0	0	397,306	0	0	0	397,306
12 SELAT PANJANG	763	1,150	0	0	0	0	300,910	0	0	0	300,910
13 SIAK SRI INDRAPURA	764	390	0	0	0	0	102,907	0	0	0	102,907
14 DUMAI	765	3,840	0	0	0	0	819,384	183,671	0	0	1,003,035
15 BENGKALIS	766	880	0	0	0	0	225,356	0	0	0	225,356
16 BAGAN SIAPI-API	767	0	0	3,416	926	0	0	0	3,389,970	0	3,389,970
17 TEMBILAHAN	768	3,350	0	0	0	0	875,376	0	0	0	875,376
18 RENGAT	769	380	0	1,160	360	0	1,652,516	0	0	0	1,652,516
19 TANJUNG PINANG	771	5,440	0	0	0	0	1,418,583	0	0	0	1,418,583
20 RANAI (P. NATUNA)	773	0	0	200	200	0	0	1,302,106	0	0	1,302,106
21 DARO SINGKEP	776	0	0	1,316	896	0	1,592,857	0	0	0	1,592,857
22 TANJUNG BALAI XARIMU	777	350	0	0	0	0	92,486	0	0	0	92,486
23 BATAM SEKUPANG	778	23,330	20,130	0	0	0	0	12,580,434	0	0	12,580,434
24 TANJUNG BATU	779	3,120	0	0	0	0	0	0	0	0	0
TOTAL		68,840	45,080	16,958	9,328	8,021,055	16,534,887	18,394,370	8,571,243	815,454	51,650,846

COST ESTIMATION for P.C AREAS (WITEL III)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1984 (US\$)	1985 (US\$)	1986 (US\$)	1987 (US\$)	1988 (US\$)	TOTAL (US\$)
1 PALEMBANG CENTRUM	711	65,670	0	30	9,020	2,739,465	0	0	15,639,056	0	18,378,521
2 KAYU ACUNG	712	0	310	1,516	886	0	0	2,975,728	0	0	2,975,728
3 PRABUMULIH	713	2,330	0	713	0	392,095	0	0	0	217,540	809,635
4 SEKAYU	714	0	420	1,082	512	0	2,891,316	0	0	0	2,891,316
5 PANGKAL PINANG	717	2,910	290	7,450	3,600	1,771,060	0	3,506,185	0	0	5,277,245
6 TJ. PANDAN	718	2,330	0	0	0	522,360	0	0	0	87,275	609,635
7 TJ. KARANG CENTRUM	721	47,290	0	370	5,100	5,085,535	0	0	8,591,725	0	13,677,260
8 KOTA ACUNG	722	220	0	780	400	0	0	2,764,435	0	0	2,764,435
9 LIWA	723	440	180	280	200	0	0	0	0	0	2,735,777
10 KOTA BUMI	724	2,730	150	0	0	261,830	0	0	0	0	2,735,777
11 METRO	725	0	400	6,030	4,000	0	0	6,675,207	0	1,741,098	2,002,926
12 KALIANDA	727	600	0	0	0	0	0	0	0	157,618	157,618
13 LAHAT	731	1,630	0	11,390	2,300	2,553,950	0	2,731,872	1,860,179	0	7,146,001
14 CURUP	732	7,170	0	680	200	0	3,286,461	0	0	0	3,286,461
15 LUBUK LINGGAU	733	3,720	0	290	200	522,360	0	0	1,774,865	0	2,297,325
16 MUARA ENIM	734	2,240	0	0	0	261,830	0	325,657	0	0	587,487
17 BATURAJA	735	3,410	0	5,830	700	0	4,909,896	0	0	0	4,909,896
18 BENGKULU CENTRUM	736	23,890	9,850	0	2,000	2,423,685	0	0	0	10,120,487	12,544,182
19 ARGAMAMUR	737	0	0	1,560	500	0	0	0	0	1,656,427	1,656,427
20 MUARA AMAN	738	0	0	290	100	0	1,325,554	0	0	0	1,325,554
21 MANNA	739	1,840	270	330	100	261,830	0	0	0	2,876,463	3,138,293
22 JAMBI CENTRUM	741	21,280	40	0	0	1,567,080	0	0	0	5,245,520	6,813,600
23 KUALA TUNGKAL	742	770	0	0	0	0	201,908	0	0	0	201,908
24 MUARA BULIAN	743	420	0	0	0	0	110,723	0	0	0	110,723
25 BANGKO	746	240	0	20	20	0	1,319,038	0	0	0	1,319,038
26 MUARA BUNGO	747	380	0	0	0	0	100,301	0	0	0	100,301
27 SUNGAI PENUH	748	990	0	0	0	0	259,225	0	0	0	259,225
TOTAL		192,500	11,910	37,838	29,848	18,363,080	14,414,422	18,879,084	27,865,925	24,839,213	104,451,726

COST ESTIMATION for P.C AREAs (WITEL IV)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 (Timur)	21	179,000	117,000	0	49,372	14,809,260	27,378,531	38,098,254	7,247,390	14,619,845	102,153,280
2 (Selatan)	21	143,000	163,000	0	48,264	13,707,990	18,865,940	50,600,550	1,584,480	7,504,020	92,242,980
3 (Utara)	21	57,000	163,000	0	77,312	8,807,970	0	52,054,530	0	6,460,600	57,323,100
4 (Pusat)	21	86,000	80,000	0	10,240	5,993,480	22,093,700	8,861,820	0	14,017,270	50,866,380
5 (Barat)	21	136,000	173,356	0	31,488	19,148,835	12,320,561	64,900,740	4,864,243	2,085,540	193,119,919
TOTAL		611,000	706,356	0	216,676	62,467,545	80,658,732	214,515,994	13,476,113	44,687,275	415,805,658

COST ESTIMATION for P.C AREAs (WITEL V)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 Bdg. CENTRUM	22	272,550	70,880	25,673	17,773	0	50,003,811	0	61,184,594	0	111,188,405
2 CIREBON CENTRUM	231	13,420	0	3,142	1,712	1,564,480	0	7,755,618	0	0	9,320,398
3 KUNINGAN	232	0	0	3,376	1,256	0	3,379,548	0	0	0	3,379,548
4 MAJALENGKA	233	930	0	820	400	0	2,957,228	0	0	0	2,957,228
5 INDRAMAYU	234	2,210	0	750	300	0	0	4,522,468	0	0	4,522,468
6 BOGOR	251	17,050	37,830	4,720	12,450	0	0	23,028,887	0	0	23,028,888
7 RANGKAS BITUNG	252	2,060	0	290	150	0	3,113,546	0	0	0	3,113,546
8 PANDEGLANG	253	860	0	1,080	770	0	0	0	4,256,728	0	4,256,728
9 SERANG	254	10,000	0	4,110	1,000	131,565	3,223,512	0	2,826,201	0	6,181,278
10 SINDANGLAYA	255	5,320	0	0	0	0	0	0	1,387,320	0	1,387,320
11 SUMEDANG	261	140	0	2,700	1,000	0	1,981,205	0	0	0	1,981,205
12 GARUT	262	6,550	0	2,040	2,310	0	0	0	8,489,253	0	8,489,253
13 CIANJUR	263	10,640	0	3,120	800	0	0	8,586,193	0	0	8,586,193
14 PURWAKARTA	264	14,926	0	0	186	0	3,895,171	0	0	0	3,895,171
15 TASIKMALAYA	265	26,484	0	18,158	5,342	0	20,383,178	0	0	0	20,383,180
16 SUKABUMI	266	15,080	0	3,430	2,110	0	0	0	13,575,010	0	13,575,010
17 KARAWANG	267	5,145	0	2,410	935	1,510,530	1,341,727	0	368,647	0	3,220,904
18 PANEUNGPEUK	268	790	0	0	0	0	207,116	0	0	0	207,118
TOTAL		404,155	108,710	75,819	48,494	3,206,575	90,486,047	43,893,167	92,087,753	0	229,883,544

COST ESTIMATION for P.C AREAS (WITEL VI)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 SEMARANG JOHAR	24	86,570	30,540	0	0	0	0	31,632,982	1,390,686	0	33,023,668
2 SOLO I (GLADAK)	271	36,060	4,850	14,960	8,690	4,900,020	19,663,591	0	0	0	24,563,611
3 KLATEN	272	0	0	6,400	2,800	2,161,855	0	0	3,256,837	0	5,418,692
4 WONOGIRI	273	3,280	1,010	12,440	100	0	0	3,733,607	0	0	3,733,607
5 YOGYAKARTA KOTABARU	274	21,900	4,820	12,440	8,800	0	0	18,960,155	0	0	18,960,155
6 PURWOREJO	275	1,580	0	1,380	450	0	2,022,469	0	0	0	2,022,469
7 BOYOLALI	276	0	0	4,632	512	0	0	0	2,456,775	0	2,456,775
8 PURWOKERTO	281	9,240	1,150	3,066	3,136	0	11,008,292	0	0	0	11,008,292
9 CILACAP	282	0	390	8,850	3,550	0	0	0	10,167,828	0	10,167,828
10 TEGAL SELATAN	283	8,090	90	6,760	2,800	0	13,893,618	0	0	0	13,893,618
11 PEMALANG	284	1,380	0	460	200	0	0	0	1,733,280	0	1,733,280
12 PEKALONGAN (TIMUR)	285	8,330	420	3,030	1,190	0	11,820,343	0	0	0	11,820,343
13 WONOSOBO	286	3,610	0	1,760	890	261,830	261,830	0	2,129,286	0	2,652,946
14 KEBUMEN	287	0	0	5,540	2,040	0	0	0	6,443,336	0	6,443,336
15 KUDUS	291	0	0	13,851	5,641	0	0	0	11,108,601	0	11,108,601
16 PURWODADI GROBOGAN	292	0	0	4,970	1,350	0	0	6,294,834	0	0	6,294,834
17 MAGELANG	293	3,850	4,230	6,300	4,000	0	0	0	0	9,997,721	9,997,721
18 KENDAL	294	0	0	8,470	1,750	0	7,467,219	0	0	0	7,467,219
19 PATI	295	2,070	0	6,990	2,960	0	7,361,702	0	0	0	7,361,702
20 BLORA	296	1,720	0	3,210	1,180	0	5,035,713	0	0	0	5,035,713
21 SALATIGA	298	0	0	9,890	1,710	0	3,422,820	0	0	1,653,822	5,076,642
TOTAL		187,590	47,500	125,399	53,549	7,323,705	81,957,597	60,621,578	36,953,349	13,384,823	200,241,052

COST ESTIMATION for P.C AREAS (WITEL VII)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1984 (US\$)	1985 (US\$)	1986 (US\$)	1987 (US\$)	1988 (US\$)	TOTAL (US\$)
1 SBY. KAPASAN	31	243,350	19,590	40,042	33,742	0	17,790,495	66,171,405	0	0	83,961,900
2 MOJOKERTO	321	5,830	0	11,250	2,320	1,771,060	7,630,586	0	0	0	9,401,646
3 LAMONGAN	322	2,910	0	0	20	0	759,442	0	0	0	759,442
4 SAMPANG	323	3,260	0	3,196	466	0	0	0	0	2,933,282	2,933,282
5 PAMEKASAN	324	7,450	0	0	130	0	0	0	1,942,249	0	1,942,249
6 SUMENEP	328	0	900	3,770	1,040	0	0	0	3,716,675	0	3,716,675
7 JEMBER	331	11,648	0	6,670	5,468	0	16,023,689	0	0	0	16,023,689
8 BONDOWOSO	332	0	0	4,480	1,530	0	0	2,417,174	0	0	2,417,174
9 BANYUWANGI	333	4,720	0	9,220	1,870	0	0	0	11,133,088	0	11,133,088
10 LUMAJANG	334	0	0	4,970	1,750	0	0	0	5,044,834	0	5,044,834
11 PROBOLINGGO	335	0	0	7,892	2,712	0	0	0	4,503,997	0	4,503,997
12 BESUKI	336	620	0	0	0	0	0	162,829	0	0	162,829
13 SITUBONDO	338	5,820	0	1,430	450	0	4,390,143	0	0	0	4,390,143
14 MALANG KLOJEN	341	24,800	26,310	7,190	1,400	2,946,045	24,750,654	0	0	0	27,696,699
15 BLITAR	342	0	0	9,311	2,291	0	0	8,675,795	0	0	8,675,795
16 PASURUAN	343	23,390	0	2,300	570	0	0	0	7,948,216	0	7,948,216
17 MADIUN	351	14,040	0	1,760	2,990	0	0	7,871,574	0	0	7,871,574
18 PONOROGO	352	0	0	4,040	1,210	0	0	0	2,302,541	0	2,302,541
19 BOJONEGORO	353	0	0	4,416	1,656	0	3,650,500	0	0	0	3,650,500
20 KEDIRI	354	12,888	0	7,806	4,764	0	6,846,116	0	0	5,046,592	12,892,708
21 TULUNG AGUNG	355	1,600	0	7,240	2,060	0	0	0	6,054,385	0	6,054,385
22 TUBAN	356	2,250	0	1,680	510	0	3,525,183	0	0	0	3,525,183
23 PACITAN	357	2,960	0	0	140	0	0	2,021,169	0	0	2,021,169
24 NGANJUK	358	0	0	4,130	1,400	0	3,575,989	0	0	0	3,575,989
TOTAL		367,336	46,800	142,593	70,489	4,717,105	88,942,797	87,319,846	37,601,151	14,024,708	232,605,707

COST ESTIMATION for P.C AREAS (WITEL VIII)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1984 (US\$)	1985 (US\$)	1986 (US\$)	1987 (US\$)	1988 (US\$)	TOTAL (US\$)
1 DENPASAR KALIASEN	361	47,550	51,080	580	14,440	0	30,856,281	0	0	0	30,856,281
2 SINGARAJA	362	3,480	0	840	600	0	2,402,843	0	0	0	2,402,843
3 ANGLAPURA	363	2,480	0	0	800	0	0	647,414	0	0	647,414
4 MATARAM	364	17,420	0	2,106	7,886	0	0	7,589,708	0	0	7,589,708
5 NEGARA	365	5,830	0	0	0	0	1,546,243	0	0	0	1,546,243
6 KLUNGKUNG	366	5,210	0	0	0	261,830	0	0	1,089,432	0	1,351,262
7 SELONG	367	0	0	1,780	1,000	0	1,713,743	0	0	0	1,713,743
8 SUMBABA BESAR	371	3,530	0	0	1,600	0	0	920,871	0	0	920,871
9 ALAS	372	290	0	340	180	0	1,415,434	0	0	0	1,415,434
10 DOMPU	373	0	0	1,770	710	0	0	0	1,711,138	0	1,711,138
11 BIMA	374	0	0	6,100	2,200	2,031,590	0	0	3,308,943	0	5,340,533
12 VIKKE (VIQUEQUE)	377	0	0	520	50	0	1,385,476	0	0	0	1,385,476
13 ENDE	381	1,020	0	150	100	0	1,556,120	0	0	0	1,556,120
14 MAUMERE	382	0	0	1,880	700	0	0	1,742,402	0	0	1,742,402
15 LARANTUKA	383	0	0	1,060	470	0	1,526,162	0	0	0	1,526,162
16 BAJAWA	384	390	0	0	0	0	102,907	0	0	0	102,907
17 RUTENG	385	760	0	320	200	0	1,532,872	0	0	0	1,532,872
18 WAINGAPU (PANDAWAI)	386	900	0	0	0	0	235,777	0	0	0	235,777
19 WAIBABUAK	387	0	0	1,210	470	0	1,565,241	0	0	0	1,565,241
20 DILLI	390	1,530	0	3,840	350	0	0	10,163,372	0	0	10,163,372
21 KUPANG	391	6,910	0	70	1,550	522,360	0	0	2,548,739	0	3,071,099
22 SOE	392	0	0	1,490	670	0	2,888,190	0	0	0	2,888,190
23 XEFAMENAHU	393	280	0	0	0	0	74,248	0	0	0	74,248
24 ATAMBUA	394	860	0	0	0	0	226,656	0	0	0	226,656
25 BAA (TIMUR)	395	0	20	230	200	0	2,565,133	0	0	0	2,565,133
26 KALABAHU	397	0	0	1,070	470	0	1,528,767	0	0	0	1,528,767
27 ERNERA	398	470	0	0	0	0	123,749	0	0	0	123,749
28 BAUCAU	399	0	0	1,548	438	0	2,903,300	0	0	0	2,903,300
TOTAL		99,090	51,100	27,014	35,184	2,815,780	56,148,942	21,063,868	8,668,252	0	88,686,842

COST ESTIMATION for P.C AREAS (WITEL IX)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 BANJARMASIN KOTA	511	30,490	450	4,248	1,388	0	12,921,430	0	0	0	12,921,430
2 PLEIHARI	512	1,810	0	0	0	0	0	0	472,859	0	472,859
3 KUALA KAPUAS	513	2,370	370	0	740	0	0	0	1,966,452	0	1,966,452
4 PALANGKARAYA	514	3,820	0	0	0	0	0	996,525	0	0	996,525
5 BUNOK	515	0	400	778	308	0	2,806,804	0	0	0	2,806,804
6 TANJUNG TABALONG	516	1,940	0	0	0	0	0	0	506,728	0	506,728
7 KANDANGAN	517	3,900	0	2,972	912	0	0	4,294,262	0	0	4,294,262
8 KOTABARU	518	3,603	1,880	0	383	0	0	0	2,679,786	0	2,679,786
9 MUARA TEWEH	519	0	0	1,760	500	0	1,708,533	0	0	0	1,708,533
10 SANPAT	531	0	330	4,210	1,160	0	6,182,806	0	0	0	6,182,806
11 PANGKALAN BUN	532	2,800	0	0	0	0	0	0	730,784	0	730,784
12 KETAPANG	534	0	0	3,980	1,210	0	0	3,536,909	0	0	3,536,909
13 SUKADANA	535	0	0	450	50	0	1,367,238	0	0	0	1,367,238
14 KUALA KURUN	537	0	0	180	50	0	1,296,895	0	0	0	1,296,895
15 PURUK CAH	538	0	50	0	0	0	1,263,027	0	0	0	1,263,027
16 SAMARINDA	541	23,430	0	0	0	0	6,106,818	0	0	0	6,106,818
17 BALIKPAPAN	542	28,760	0	0	0	1,303,950	0	0	0	6,191,493	7,495,443
18 TANAH GROGOT	543	0	0	1,856	896	0	1,733,544	0	0	0	1,733,544
19 TANJUNG REDEP	544	0	0	2,392	812	0	1,873,188	0	0	0	1,873,188
20 MALAK (LONGIRAM)	545	0	350	0	0	0	1,341,186	0	0	0	1,341,186
21 BONTANG	548	4,610	0	0	0	0	0	1,202,343	0	0	1,202,343
22 TARAKAN	551	1,450	0	3,790	1,000	0	2,616,477	0	0	0	2,616,477
23 TANJUNG SELOR	552	0	0	1,240	310	0	1,573,057	0	0	0	1,573,057
24 MALINAU	553	270	0	0	0	0	71,643	0	0	0	71,643
25 SAMBAS	556	0	0	2,080	790	0	0	0	0	1,791,902	1,791,902
26 PONTIANAK	561	24,340	4,000	2,290	590	3,542,120	0	8,190,514	0	0	11,732,634
27 SINGKAWANG	562	4,856	0	0	896	0	0	0	1,269,035	0	1,269,035
28 NGABANG	563	680	0	0	0	0	0	0	178,460	0	178,460
29 SANGGAU	564	0	720	2,410	600	0	4,565,458	0	0	0	4,565,458
30 SINTANG	565	0	0	2,730	1,000	0	1,961,247	0	0	0	1,961,247
31 PUTUSIBAU	567	0	220	1,065	285	0	2,834,781	0	0	0	2,834,781
32 NANGAIPINOH	568	640	0	0	0	0	0	0	168,039	0	168,039
TOTAL		139,769	8,770	38,431	13,990	4,846,070	52,224,233	18,220,553	7,972,143	7,983,395	91,246,394

COST ESTIMATION for P.C AREAS (WITEL X)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1984 (US\$)	1985 (US\$)	1986 (US\$)	1987 (US\$)	1988 (US\$)	TOTAL (US\$)
1 KENDARI	401	5,830	140	1,710	2,500	0	4,502,170	0	0	0	4,502,170
2 BAU-BAU	402	2,470	180	0	0	0	0	1,941,705	0	0	1,941,705
3 RAHA	403	1,540	0	0	0	0	402,516	0	0	0	402,516
4 KOLAKA	405	0	360	2,380	710	0	3,216,458	0	0	0	3,216,458
5 PANGKAJENE	410	0	0	4,092	1,792	0	3,566,088	0	0	0	3,566,088
6 UJ. PANDANG BALAIKOTA	411	27,310	25,200	10,476	9,196	0	0	23,914,943	0	0	23,914,943
7 BANTAENG	413	0	0	3,882	1,782	0	3,511,377	0	0	0	3,511,377
8 BENTENG	414	0	0	1,180	470	0	0	0	0	1,557,425	1,557,425
9 SINJAI	417	1,150	0	0	0	0	0	300,910	0	0	300,910
10 TAKALAR	418	530	0	0	0	0	155,434	0	0	0	155,434
11 JENEPOITO	419	670	0	0	0	0	0	0	0	175,855	175,855
12 WATAMPONE	481	3,600	0	0	0	0	939,208	0	0	0	939,208
13 WATANSOPENG	484	0	0	1,662	612	0	0	0	0	2,933,001	2,933,001
14 PARE-PARE	421	5,800	0	1,930	400	0	3,257,797	0	0	0	3,257,797
15 MAJENE	422	0	0	1,456	896	0	1,629,332	0	0	0	1,629,332
16 RANTEPAD	423	1,700	0	0	0	0	444,201	0	0	0	444,201
17 MALILI	424	0	980	0	0	0	0	1,505,319	0	0	1,505,319
18 MANUJU	426	620	0	0	0	0	182,825	0	0	0	182,825
19 POLEWALI	428	0	0	2,186	896	0	0	0	0	1,819,519	1,819,519
20 ENREKANG	429	400	0	0	0	105,512	0	0	0	0	105,512
21 PALOPO	471	2,690	0	0	896	0	702,126	0	0	0	702,126
22 SENGKANG	485	0	0	2,316	0	0	1,853,387	0	0	0	1,853,387
23 AMURANG	430	460	0	0	0	0	121,144	0	0	0	121,144
24 MANADO I	431	14,350	0	1,300	400	0	0	5,328,594	0	0	5,328,594
25 TAHUNA	432	2,220	0	0	0	0	342,594	0	0	238,382	580,976
26 KOTAMOBAGU	434	1,860	0	0	0	0	485,886	0	0	0	485,886
27 GORONTALO	435	5,550	2,430	0	0	0	4,580,329	0	0	0	4,580,329
28 TONDANO	436	880	0	1,330	200	0	1,827,071	0	0	0	1,827,071
29 BITUNG	438	6,150	0	190	70	0	0	0	0	2,905,666	2,905,666
30 PARIGI	450	270	0	0	0	0	71,643	0	0	0	71,643
31 PALU	451	8,980	0	1,660	3,780	0	0	0	0	5,536,474	5,536,474
32 POSO	452	3,070	520	1,000	300	0	3,697,133	0	0	0	3,697,133
33 TOLI TOLI	453	1,510	0	0	0	0	394,700	0	0	0	394,700
34 LUWUK	461	2,870	0	0	0	0	749,021	0	0	0	749,021
35 BANGGAI	462	0	440	0	0	0	0	1,364,633	0	0	1,364,633
TOTAL		103,600	30,250	38,760	24,810	105,512	36,632,445	34,055,194	0	15,467,232	86,260,383

COST ESTIMATION for P.C AREAS (WITEL XI)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 BANDA NEIRA	910	340	0	0	0	0	89,880	0	0	0	89,880
2 AMBON CENTRUM	911	18,552	40	0	3,842	131,565	0	0	0	5,967,408	6,098,973
3 NAMLEA	913	0	0	3,835	775	2,760,530	0	0	0	741,203	3,501,733
4 MASOHI	914	0	200	2,426	386	0	0	3,184,151	0	0	3,184,151
5 TUAL	916	0	0	2,106	896	0	0	0	0	1,798,876	1,798,876
6 DOBO	917	660	0	0	0	0	173,250	0	0	0	173,250
7 SAUMLAKI	918	1,220	0	0	0	0	0	319,147	0	0	319,147
8 SOA SIU	920	0	0	1,866	886	0	0	0	0	1,736,149	1,736,149
9 TERNATE	921	0	0	9,122	2,072	0	0	0	3,626,555	0	3,626,555
10 JAILOLO	922	0	600	0	0	0	0	1,406,318	0	0	1,406,318
11 TOBELO	924	0	710	1,848	388	0	0	0	0	6,916,436	6,916,436
12 WEDA	925	0	120	0	0	0	0	1,281,264	0	0	1,281,264
13 LABUHA	927	0	0	500	50	1,380,265	0	0	0	0	1,380,265
14 SANANA	928	0	0	1,130	410	1,380,265	0	0	0	165,434	1,545,699
TOTAL		20,772	1,670	22,833	10,035	5,652,625	263,130	6,190,880	3,626,555	17,325,306	33,058,496

COST ESTIMATION for P.C AREAS (WITEL XII)

NO. EXCHANGE NAME	AREA CODE	ADD. (L.U)	NEW UNIT (L.U)	CONVERT (L.U)	REMOVE (L.U)	1994 (US\$)	1995 (US\$)	1996 (US\$)	1997 (US\$)	1998 (US\$)	TOTAL (US\$)
1 SORONG	951	0	0	12,802	2,372	0	7,085,305	0	0	0	7,085,305
2 FAX-FAX	956	0	0	3,450	720	0	2,148,828	0	0	0	2,148,828
3 KAIMANA	957	630	0	0	0	0	0	0	0	165,434	165,434
4 BIAK	961	0	170	3,954	1,454	0	4,824,426	0	0	0	4,824,426
5 MANOKWARI	962	0	0	3,176	1,036	0	2,077,443	0	0	0	2,077,443
6 SERUI	963	0	30	1,586	886	0	2,921,016	0	0	0	2,921,016
7 NABIRE	964	1,000	180	0	0	0	0	1,558,725	0	0	1,558,725
8 SARMI	966	0	0	120	50	0	1,281,264	0	0	0	1,281,264
9 JAYAPURA	967	17,680	150	0	0	0	0	7,149,150	0	0	7,149,150
10 WAMENA	968	1,780	40	0	0	0	0	0	1,725,465	0	1,725,465
11 MERAUKE	971	0	70	3,636	1,036	0	3,465,524	0	0	0	3,465,524
12 TANAH MERAH	975	0	0	170	70	0	1,294,290	0	0	0	1,294,290
13 TIMIKA (MIMIKA TIMUR)	979	0	0	2,600	480	0	0	0	1,927,378	0	1,927,378
TOTAL		21,090	640	31,484	8,114	0	25,088,097	8,707,875	3,652,843	165,434	37,624,249

Table COST CALCULATION OF TRUNK EXCHANGE

No.	WITEL	EXCHANGE NAME	EX. LEVEL	EXPANSION PROGRAM	PROVISION PLAN	COST ESTIMATION	COST TOTAL	WITEL COST (Sub-Total)
			TYPE	TYPE	UNIT	TRUNK C	COMMON	
1	WITEL-I	MEDAN (B.KOTA)	TC/SC	EWSD	1458	322874	1200	324074
2		MEDAN (BIAWAN)	LE	EWSD/TLS	44	9744	1200	10944
3		PEKATANGSIANTAR	PC	New Unit	91	20152	1200	21352
4		SIBOLGA	SC	New Unit	410	90795	1130000	1220795
5		LHOKSEUMAWE	SC	New Unit	1425	315566	1130000	1445566
6		BANDA ACEH	SC	Add. TRK	183	40525	1200	41725
7								140964974
8	WITEL-II	PADANG	SC	New Unit	1585	350998	1130000	1480998
9		PEKANBARU	SC	EWSD/TLS	1213	268619	1130000	1398619
10		BATANG SEKUPANG	SC	EWSD/TLS	2090	462831	1130000	1592831
11								0
12	WITEL-III	PALEMBANG	TC/SC	EWSD	463	102531	1200	103731
13		TANJUNGPANG	SC	New Unit	1595	353213	1130000	1483213
14		LAHAT	SC	New Unit	1755	388645	1130000	1518645
15		JAMBI	SC	New Unit	885	195983	1130000	1325983
16		BENGKULU	PC	New Unit	570	126227	1130000	1256227
17								0
18	WITEL-IV	JAKARTA-I	TC/SC	New Unit	22500	4982625	1130000	6112625
19		JAKARTA-II	TC/SC	Add. TRK	6000	1328700	1130000	2458700
		JAKARTA-III	TC/SC	New Unit	22500	4982625	1130000	6112625
1	WITEL-V	BANDUNG	SC	EWSD	2000	442900	1200	444100
2								0
3		CIMAH	LE	New Unit	5375	1190294	1130000	2320294
4		CIREBON	SC	New TLS	161	35653	1200	36853
5					194	42961	1200	44161
6								0
7	WITEL-VI	SEMARANG	SC	EWSD	994	220121	1200	221321
8		YOGYAKARTA	SC	New Unit	570	126227	1130000	1256227
9		SOLO	PC	New Unit	1385	306708	1130000	1436708
10		PURWOKERTO	SC	New Unit	1520	336604	1130000	1466604
11								0
12	WITEL-VII	SURABAYA	TC/SC	EWSD	2000	442900	1200	444100
13								0
14		JEMBER	SC	New Unit	2738	606330	1130000	1736330
15		MALANG	SC	New Unit	1348	298515	1130000	1428515
16		MADIUN	SC	Add. TRK	612	135527	1200	136727
17					1453	321767	1130000	1451767
18	WITEL-VIII	PASAR	SC	EWSD	742	164316	1200	165516
19		SUNBAWA	SC	New TLS	54	11958	1200	13158
20		ENDE	SC	Add. TRK	47	10408	1200	11608
21		KUPANG	SC	New Unit	483	106960	1130000	1236960
22								0
23	WITEL-IX	BANJARMASIN	TC/SC	EWSD	388	85923	1200	87123
24		SAMPIT	SC	Add. TRK	54	11958	1200	13158
25		SAMARINDA	SC	EWSD/TLS	318	70421	1200	71621
26		TARAKAN	SC	NEAX	39	8637	1200	9837
27		PONTIANAK	SC	New TLS	1043	230972	1130000	1360972
28								0
								53994882

No.	WITEL	EXCHANGE NAME	EX. LEVEL	EXPANSION PROGRAM TYPE	PROVISION PLAN UNIT	TRK	COST ESTIMATION TRUNK C	COMMON	TOTAL	WITEL COST (Sub-Total)
29	WITEL-X	UJUNG PNDANG	TC/SC	EWSD	1	594	131541	1200	132741	
30		PARE-PARE	SC	New Unit	1	610	135085	1130000	1265085	
31		MANADO	SC	New Unit	1	1123	248688	1130000	1378688	
32		PALU	SC	New Unit	1	570	126227	1130000	1256227	
33		KENDARI	SC	New Unit	1	400	88580	1130000	1218580	246812071
34									0	
35	WITEL-XI	AMBON	TC/SC	New Unit	1	675	149479	1130000	1279479	
36		TERNATE	SC	New TLS		61	13508	1200	14708	59532611
37									0	
38	WITEL-XII	SORONG	SC	New Unit	1	383	84815	1130000	1214815	
39		JAYAPURA	SC	New Unit	1	773	171181	1130000	1301181	
40		MERAUKE	SC	New TLS		15	3322	1200	4522	113423308
41										2009543615
42		GRAND TOTAL								

COST ESTIMATION FOR SUPPORTING FACILITY (BY AREAS)
(WITEL I)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	61	Medan Balai Kota	1	0	0	668	0	0	668
2	620	Pangkalan Brandan	0	0	0	0	0	0	0
3	621	Tebing Tinggi Deli	1	0	76	0	0	0	76
4	622	S. Siantar Centrum	2	0	0	0	115	0	115
5	623	Kisaran	0	0	0	0	0	0	0
6	624	Rantau Prapat	0	0	0	0	0	0	0
7	625	Parapat	0	0	0	0	0	0	0
8	626	Pangururan	0	0	0	0	0	0	0
9	627	Sidikalang	0	0	0	0	0	0	0
10	628	Kabanjahe	0	0	0	0	0	0	0
11	629	Kuta Cane	0	0	0	0	0	0	0
12	631	Sibolga	1	0	0	0	57	0	57
13	632	Balige	0	0	0	0	0	0	0
14	633	Tarutung	0	0	0	0	0	0	0
15	634	Padang Sidempuan	0	0	0	0	0	0	0
16	636	Penyabungan	0	0	0	0	0	0	0
17	639	Gunung Sitoli	0	0	0	0	0	0	0
18	641	Langsa	0	0	0	0	0	0	0
19	642	Blang Kejeru	0	0	0	0	0	0	0
20	643	Takengon	0	0	0	0	0	0	0
21	644	Bireuen	0	0	0	0	0	0	0
22	645	Lhokseumawe	0	0	0	0	0	0	0
23	646	Idi	0	0	0	0	0	0	0
24	650	Sinabang	0	0	0	0	0	0	0
25	651	Banda Aceh Centrum	0	0	0	0	0	0	0
26	652	Sabang	0	0	0	0	0	0	0
27	653	Sigli	1	0	0	0	57	0	57
28	654	Calang	0	0	0	0	0	0	0
29	655	Meulaboh	0	0	0	0	0	0	0
30	656	Tapak Tuan	0	0	0	0	0	0	0
31	657	Bakungan	0	0	0	0	0	0	0
32	658	Singkil	0	0	0	0	0	0	0
33	659	Blang Pedie	0	0	0	0	0	0	0

		WITEL I TOTAL	6	0	76	668	229	0	973
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COST ESTIMATION FOR SUPPORTING FACILITY (BY AREAS)
(WITEL II)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	751	Padang Centrum	1	0	924	0	0	0	924
2	752	Bukit Tinggi	2	0	0	0	90	0	90
3	753	Lubuk Sikaping	0	0	0	0	0	0	0
4	754	Sawahlunto	0	0	0	0	0	0	0
5	755	Solok	0	0	0	0	0	0	0
6	756	Painan	0	0	0	0	0	0	0
7	757	Balai Selasa	0	0	0	0	0	0	0
8	759	Muara Sibeurat	0	0	0	0	0	0	0
9	760	Teluk Kuantan	0	0	0	0	0	0	0
10	761	Pakanbaru Centrum	0	0	0	0	0	0	0
11	762	Bangkinang	0	0	0	0	0	0	0
12	763	Selat Panjang	0	0	0	0	0	0	0
13	764	Siak Sri Indrapura	0	0	0	0	0	0	0
14	765	Dumai	0	0	0	0	0	0	0
15	766	Bengkalis	0	0	0	0	0	0	0
16	767	Bagan Siapi-Api	0	0	0	0	0	0	0
17	768	Tembilahan	0	0	0	0	0	0	0
18	769	Rengat	0	0	0	0	0	0	0
19	771	Tj. Pinang	0	0	0	0	0	0	0
20	773	Ranai	0	0	0	0	0	0	0
21	776	DaBo Singkep	0	0	0	0	0	0	0
22	777	Tj. Balai Karimun	0	0	0	0	0	0	0
23	778	Batam Sekupang	1	0	0	395	0	0	395
24	779	Tanjung Batu	0	0	0	0	0	0	0

		WITEL II TOTAL	4	0	924	395	90	0	1,409
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COST ESTIMATION FOR SUPPORTING FACILITY (BY AREAS)
(WITEL III)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	711	Palembang Centrum	0	0	0	0	0	0	0
2	712	Kayu Agung	0	0	0	0	0	0	0
3	713	Prabu Mulih	0	0	0	0	0	0	0
4	714	Sekaya	1	0	54	0	0	0	54
5	717	Pangkal Pinang	1	0	0	54	0	0	54
6	718	Tanjung Pandan	0	0	0	0	0	0	0
7	721	Tj. Karang Centrum	0	0	0	0	0	0	0
8	722	Kota Agung	0	0	0	0	0	0	0
9	723	Liwa	1	0	0	0	0	54	54
10	724	Kota Bumi	1	0	0	0	0	54	54
11	725	Metro	2	0	0	108	0	0	108
12	727	Kalianda	0	0	0	0	0	0	0
13	731	Lahat	0	0	0	0	0	0	0
14	732	Curup	0	0	0	0	0	0	0
15	733	Lubuk Linggau	0	0	0	0	0	0	0
16	734	Muara Enim	0	0	0	0	0	0	0
17	735	Baturaja	0	0	0	0	0	0	0
18	736	Bengkulu Centrum	3	0	0	0	0	417	417
19	737	Argamakmur	0	0	0	0	0	0	0
20	738	Muara Aman	0	0	0	0	0	0	0
21	739	Manna	1	0	0	0	0	54	54
22	741	Jambi Centrum	1	0	0	0	0	54	54
23	742	Kuala Tungkal	0	0	0	0	0	0	0
24	743	Muara Bulian	0	0	0	0	0	0	0
25	746	Bangka	0	0	0	0	0	0	0
26	747	Muara Bungo	0	0	0	0	0	0	0
27	748	Sungai Penuh	0	0	0	0	0	0	0

		WITEL III TOTAL	11	0	54	162	0	633	849
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COST ESTIMATION FOR SUPPORTING FACILITY (BY AREAS)
(WITEL IV)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	21	JAKARTA UTARA	3	0	0	15,268	0	0	15,268
2	21	JAKARTA PUSAT	0	0	0	0	0	0	0
3	21	JAKARTA SELATAN	8	0	1,496	1,268	1,129	438	4,331
4	21	JAKARTA BARAT	10	0	1,197	2,570	0	0	3,767
5	21	JAKARTA TIMUR	15	0	2,877	751	131	0	3,759

		WITEL IV TOTAL	36	0	5,570	19,857	1,260	438	27,125
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COST ESTIMATED FOR SUPPOTING FACILITY (BY AREAS)
(WITEL V)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	22	Bandung Centrum	1	0	53	0	0	0	53
2	231	Cirebon Centrum	0	0	0	0	0	0	0
3	232	Kuningan	0	0	0	0	0	0	0
4	233	Majalengka	0	0	0	0	0	0	0
5	234	Indramayu	0	0	0	0	0	0	0
6	251	Bogor	1	0	0	180	0	0	180
7	252	Rangasbitung	0	0	0	0	0	0	0
8	253	Padeglang	0	0	0	0	0	0	0
9	254	Serang	0	0	0	0	0	0	0
10	255	Sindang Laya	0	0	0	0	0	0	0
11	261	Sumedang	0	0	0	0	0	0	0
12	262	Garut	0	0	0	0	0	0	0
13	263	Cianjur	0	0	0	0	0	0	0
14	264	Purwakarta	0	0	0	0	0	0	0
15	265	Tasikmalaya	0	0	0	0	0	0	0
16	266	Sukabumi	0	0	0	0	0	0	0
17	267	Karawang	0	0	0	0	0	0	0
18	269	Pameungpeuk	0	0	0	0	0	0	0

		WITEL V TOTAL	2	0	53	180	0	0	233
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COST ESTIMATION FOR SUPPOTING FACILITY (BY AREAS)
(WITEL VI)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	24	Semarang Johor	2	0	0	1,103	52	0	1,155
2	271	Soro I (Gladak)	5	0	386	0	0	0	386
3	272	Klaten	0	0	0	0	0	0	0
4	273	Wonogiri	1	0	0	122	0	0	122
5	274	Yk. Kotabaru	3	0	0	519	0	0	519
6	275	Purworejo	0	0	0	0	0	0	0
7	276	Boyolali	0	0	0	0	0	0	0
8	281	Purwokerto	4	0	206	0	0	0	206
9	282	Cilacap	1	0	0	0	52	0	52
10	283	Tegal Selatan	1	0	52	0	0	0	52
11	284	Pemalang	0	0	0	0	0	0	0
12	285	Pekalongan (Timur)	2	0	104	0	0	0	104
13	286	Wonosobo	0	0	0	0	0	0	0
14	287	Kebumen	0	0	0	0	0	0	0
15	291	Kudus	0	0	0	0	0	0	0
16	292	Purwodadi Grobogan	0	0	0	0	0	0	0
17	293	Magelang	2	0	0	0	0	225	225
18	294	Kendal	0	0	0	0	0	0	0
19	295	Pati	0	0	0	0	0	0	0
20	296	Blora	0	0	0	0	0	0	0
21	298	Salatiga	0	0	0	0	0	0	0

		WITEL VI TOTAL	21	0	748	1,744	104	225	2,821
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COST ESTIMATION FOR SUPPOTING FACILITY (BY AREAS)
(WITEL VII)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	31	SBY Kapasan	0	0	0	0	0	0	0
2	321	Mojokerto	0	0	0	0	0	0	0
3	322	Lamongan	0	0	0	0	0	0	0
4	323	Sampang	0	0	0	0	0	0	0
5	324	Panekasan	1	0	0	0	127	0	127
6	328	Sumenep	0	0	0	0	0	0	0
7	331	Jember	0	0	0	0	0	0	0
8	332	Bondowoso	0	0	0	0	0	0	0
9	333	Banyuwangi	1	0	0	0	28	0	28
10	334	Lumajang	0	0	0	0	0	0	0
11	335	Probolinggo	0	0	0	0	0	0	0
12	336	Besuki	0	0	0	0	0	0	0
13	338	Situbondo	0	0	0	0	0	0	0
14	341	Malang Klojen	1	0	0	0	0	429	429
15	342	Blitar	0	0	0	0	0	0	0
16	343	Pasuruan	0	0	0	0	0	0	0
17	351	Madiun	0	0	0	0	0	0	0
18	352	Ponorogo	0	0	0	0	0	0	0
19	353	Bojonegoro	0	0	0	0	0	0	0
20	354	Kediri	0	0	0	0	0	0	0
21	355	Tulung Agung	0	0	0	0	0	0	0
22	356	Tuban	0	0	0	0	0	0	0
23	357	Pacitan	0	0	0	0	0	0	0
24	358	Naganjuk	0	0	0	0	0	0	0

		WITEL VII TOTAL	3	0	0	0	155	429	584
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COST ESTIMATION FOR SUPPOTING FACILITY (BY AREAS)
(WITEL VIII)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	361	Denpasar Kaliasen	2	0	3,246	0	0	0	3,246
2	362	Singaraja	0	0	0	0	0	0	0
3	363	Amlapura	0	0	0	0	0	0	0
4	364	Mataram	0	0	0	0	0	0	0
5	365	Negara	0	0	0	0	0	0	0
6	366	Klungkung	0	0	0	0	0	0	0
7	367	Selong	0	0	0	0	0	0	0
8	371	Sumbawa Besar	0	0	0	0	0	0	0
9	372	Alas	0	0	0	0	0	0	0
10	373	Dompu	0	0	0	0	0	0	0
11	374	Bima	0	0	0	0	0	0	0
12	377	Vikeke (Viqueque)	0	0	0	0	0	0	0
13	381	Ende	0	0	0	0	0	0	0
14	382	Maumere	0	0	0	0	0	0	0
15	383	Larantuka	0	0	0	0	0	0	0
16	384	Bajawa	0	0	0	0	0	0	0
17	385	Ruteng	0	0	0	0	0	0	0
18	386	Waingapu (Pandawa)	0	0	0	0	0	0	0
19	387	Waikabubak	0	0	0	0	0	0	0
20	390	Dilli	0	0	0	0	0	0	0
21	391	Kupang	0	0	0	0	0	0	0
22	392	SOE	0	0	0	0	0	0	0
23	393	Kefamenahu	0	0	0	0	0	0	0
24	394	Atambua	0	0	0	0	0	0	0
25	395	BAA (Timur)	1	0	45	0	0	0	45
26	397	Kalabahi	0	0	0	0	0	0	0
27	398	Ermera	0	0	0	0	0	0	0
28	399	Baucau	0	0	0	0	0	0	0

		WITEL VIII TOTAL	3	0	3,291	0	0	0	3,291
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COST ESTIMATION FOR SUPPOTING FACILITY (BY AREAS)
(WITEL IX)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	511	Banjarmasin Kota	1	0	47	0	0	0	47
2	512	Pleihari	0	0	0	0	0	0	0
3	513	Kuala Kapuas	1	0	0	0	47	0	47
4	514	Palangkaraya	0	0	0	0	0	0	0
5	515	Buntok	1	0	47	0	0	0	47
6	516	Tanjung Tabalong	0	0	0	0	0	0	0
7	517	Kandangan	0	0	0	0	0	0	0
8	518	Kota Baru	1	0	0	0	0	110	110
9	519	Muara Teweh	0	0	0	0	0	0	0
10	531	Sampit	2	0	78	0	0	0	78
11	532	Pangkalan Bun	0	0	0	0	0	0	0
12	534	Ketapang	0	0	0	0	0	0	0
13	535	Sukadana Kalimantan	0	0	0	0	0	0	0
14	537	Kuala Kurun	0	0	0	0	0	0	0
15	538	Puruk Cau	1	0	47	0	0	0	47
16	541	Samarinda	0	0	0	0	0	0	0
17	542	Balikpapan	0	0	0	0	0	0	0
18	543	Tanah Grogot	0	0	0	0	0	0	0
19	544	Tanjung Redep	0	0	0	0	0	0	0
20	545	Malak (Longiram)	1	0	47	0	0	0	47
21	548	Bontang	0	0	0	0	0	0	0
22	551	Tarakan	0	0	0	0	0	0	0
23	552	Tanjung Selor	1	0	31	0	0	0	31
24	553	Malinau	0	0	0	0	0	0	0
25	556	Sambas	0	0	0	0	0	0	0
26	561	Pontianak I	3	0	220	31	0	0	251
27	562	Singkawang	0	0	0	0	0	0	0
27	563	Ngabang	0	0	0	0	0	0	0
28	564	Sanggau	2	0	141	0	0	0	141
29	565	Sintang	0	0	0	0	0	0	0
30	567	Putusibau	1	0	0	0	0	47	47
31	568	Nangapinoh	0	0	0	0	0	0	0

		WITEL IX TOTAL	15	0	658	31	47	157	893
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COST ESTIMATION FOR SUPPORTING FACILITY (BY AREAS)
(WITEL X)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	401	Kendari	1	0	44	0	0	0	44
2	402	Bau-Bau	1	0	0	44	0	0	44
3	403	Raha	0	0	0	0	0	0	0
4	405	Kolaka	1	0	0	44	0	0	44
5	410	Pangkajene	1	0	24	0	0	0	24
6	411	UJ. Pandang Balaikota	1	0	0	44	0	0	44
7	413	Bantaeng	0	0	0	0	0	0	0
8	414	Benteng	0	0	0	0	0	0	0
9	418	Sinjai	0	0	0	0	0	0	0
10	419	Jeneponto	0	0	0	0	0	0	0
11	421	Pare-pare	0	0	0	0	0	0	0
12	422	Majene	0	0	0	0	0	0	0
13	423	Rantepao	0	0	0	0	0	0	0
14	424	Malili	1	0	0	44	0	0	44
15	426	Mamuju	0	0	0	0	0	0	0
16	428	Polewali	0	0	0	0	0	0	0
17	429	Enrekang	0	0	0	0	0	0	0
18	430	Amurang	0	0	0	0	0	0	0
19	431	Manado I	0	0	0	0	0	0	0
20	432	Tahuna	0	0	0	0	0	0	0
21	434	Kotamobagu	0	0	0	0	0	0	0
22	435	Gorontalo	1	0	44	0	0	0	44
23	436	Tondano	0	0	0	0	0	0	0
24	438	Bitung	0	0	0	0	0	0	0
25	450	Parigi	0	0	0	0	0	0	0
26	451	Palu	0	0	0	0	0	0	0
27	452	Poso	1	0	44	0	0	0	44
28	453	Toli Toli	0	0	0	0	0	0	0
29	461	Luwuk	0	0	0	0	0	0	0
30	462	Banggai	1	0	0	44	0	0	44
31	471	Palopo	0	0	0	0	0	0	0
32	481	Watampone	0	0	0	0	0	0	0
33	484	Watansoppeng	0	0	0	0	0	0	0
34	485	Singkang	1	0	24	0	0	0	24

		WITEL X TOTAL	10	0	180	220	0	0	400
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COST ESTIMATION FOR SUPPOTING FACILITY (BY AREAS)
(WITEL XI)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	910	Banda Neira	0	0	0	0	0	0	0
2	911	Ambon Centrum	1	0	0	0	0	38	38
3	913	Namlea	0	0	0	0	0	0	0
4	914	Masohi	1	0	0	38	0	0	38
5	916	Tual	0	0	0	0	0	0	0
6	917	Dobo	0	0	0	0	0	0	0
7	918	Saumlaki	0	0	0	0	0	0	0
8	920	Soa Siu	0	0	0	0	0	0	0
9	921	Ternate	0	0	0	0	0	0	0
10	922	Jaiololo	1	0	0	38	0	0	38
11	924	Tobelo	4	0	0	0	0	151	151
12	925	Weda	1	0	0	38	0	0	38
13	927	Labuha	0	0	0	0	0	0	0
14	929	Sahana	0	0	0	0	0	0	0

		WITEL XI TOTAL	8	0	0	114	0	189	303
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COST ESTIMATION FOR SUPPOTING FACILITY (BY AREAS)
(WITEL XII)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(Site)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	951	Sorong	0	0	0	0	0	0	0
2	956	Fak-Fak	0	0	0	0	0	0	0
3	957	Kaimana	0	0	0	0	0	0	0
4	961	Biak	2	0	83	0	0	0	83
5	962	Manokwari	0	0	0	0	0	0	0
6	963	Serui	1	0	42	0	0	0	42
7	964	Nabire	1	0	0	42	0	0	42
8	966	Sarmi	0	0	0	0	0	0	0
9	967	Jayapura	2	0	0	83	0	0	83
10	969	Wamena	1	0	0	0	42	0	42
11	971	Merauke	1	0	42	0	0	0	42
12	975	Tanah Merah	0	0	0	0	0	0	0
13	979	Timika	0	0	0	0	0	0	0

		WITEL XII TOTAL	8	0	167	125	42	0	334
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TABLE 5C-1 COST ESTIMATION FOR BACKBONE SYSTEM

File: BACKBONE.WK1

Unit: 1000 US\$

SYSTEM NAME	SUMMARY	EQPT TOTAL	POWER NEW EXP	TOWER NEW REH	LAND	ROAD	BUILD	SUPPORT TOTAL	TOTAL	IMPLEMENTATION YEAR				
										1994	1995	1996	1997	1998
1 Jakarta-Surabaya 2nd Fiber Optical	FO-620M/155M Station: 20	910 km	51,755	19				601	52,688			52,688		
2 Surabaya-Ujung Pandang Submarine Cable	Submarine FO-820M Backhaul FO-620M 30 km (1 section) 6G-155M/6G-140M 3 hops	760 km	87,193	1	5	4	1	1	1,151	88,344		88,344		
3 Medan-Banda Aceh Digital Microwave	6G-155M Terminal: 10 Repeater: 8	510 km	13,412	15	1	8	8	3,328	16,740			16,740		
4 Trans Sumatera Digital Microwave (Expansion)	6G-155M/140M Terminal: 42 Repeater: 18	2,360 km	63,766	15	45	15	2	10	8,165	69,951		69,951		
5 Jawa-Bali Digital Microwave (Expansion)	6G-140M/FO-820M/140M Terminal: 29 Repeater: 9	1,340 km	33,686	35				1,715	35,411			35,411		
6 Ujung Pandang-Ambon-Salong-Balik Submarine Cable	Submarine FO-820M (UP-AB: 1,360 km) (AB-SON: 370 km) (SON-BIA: 690 km) Backhaul FO-620M/155M 20 km (3 sections) 6G-155M 5 hops	2,420 km	155,317	4	4	6	7	3	3,586	158,803		158,803		
7 Banjarmasin-Balik Papan Digital Microwave (Expansion)	6G-155M Terminal: 10 Repeater: 3	470 km	12,275	13	11		11	1,825	14,100			14,100		
8 Jakarta-Panglapih-Pontianak Submarine Cable	Submarine FO-820M (JKT-PGP: 550 km) (PGP-PTK: 450 km) Backhaul FO-620M 70 km (3 sections)	1,000 km	183,302	3	4		3	3	2,566	185,868			185,868	
9 2nd Trans Sumatera Digital Microwave	6G-155M/140M Terminal: 26 Repeater: 42	2,030 km	78,654	39	29	35	47	39	35,085	113,739			113,739	
10 Cross Kalimantan Digital Microwave (Expansion)	6G-155M Terminal: 14 Repeater: 11	1,030 km	22,776	23				1,127	23,903				23,903	
11 Trans Sulawesi Digital Microwave (Expansion)	6G-140M Terminal: 14 Repeater: 21	1,310 km	11,844	5				245	11,889				11,889	
12 Surabaya-Banjarmasin Submarine Cable (Channel Expansion)	DSL 3,690 ch		9,113						9,113				9,113	
13 Jakarta-Surabaya 1st Fiber Optical (Expansion)	FO-2.4G Station: 36	990 km	10,316	36				1,764	12,080				12,080	
14 Jakarta-Padang Digital Microwave	6G-155M Terminal: 17 Repeater: 10	1,050 km	40,825	27		27		1,898	42,623				42,623	
15 Surabaya-Malang Digital Microwave	6G-155M Terminal: 2 Repeater: 1	80 km	2,124	3		3		222	2,346				2,346	
16 Balikpapan-Jayapura Submarine Cable	Submarine FO-820M Backhaul FO-155M 15 km (2 sections)	890 km	48,789	1	1	6	1	1	1,397	48,126			48,126	
17 Nusa Tenggara Digital Microwave (Expansion)	6G-140M Terminal: 12 Repeater: 7	1,480 km	7,136					0	7,136				7,136	
TOTAL									882,658	227,721	208,414	344,512	112,311	

TABLE 5C-2 COST ESTIMATION FOR SPUR SYSTEM (1/3)

Unit: 1000 US\$

WITEL	SC 3 PC NAME	UNIT: NO. OF HOP OR SYSTEM										ECPT TOTAL	POWER NEW EXP	TOWER NEW REH UNIT: NO. OF SITE	LAND ROAD BUILD SUPPORT TOTAL	PRO CODE NO.	IMPLEMENTATION YEAR							
		FO-020 SYS HOP	FO-135 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 SYS HOP	DM-140 SYS HOP	DM-34 SYS HOP	DM-17 SYS HOP	DM-3 SYS HOP	1994/95						1995/96							
1	MEDAN											0												
	MEDAN CEN											0												
	TEBINGTINGGI											495	2	1		140	03	605						
	P.SANTAR											352	2	2		200	04	552						
	KISARAN											352	2	2		200	04	552						
	RANTAU PRAPAT											1,119	1	6	1	1,018	04	2,137						
	PRAPAT											0				0								
	PANGGURURAN											352	1	2	1	578	03	900						
	SIDAKALANG											0				0								
	KABANJAE											178	2	1		140	03	318						
	KUTACANE											0				0								
	PANGKALAN BRANDAN											319	1			40	03	359						
	SIBOLGA											0												
	SIBOLGA											319	1	1		40	04	359						
	BALIGE											176				100	03	278						
	TARUTUNG											0				0								
	PADANGSIDEMPUN											178	1	1		100	03	278						
	PENYABUNGAN											352	2	2		200	03	552						
	NATAL											0				0								
	GUNUNG SITOU											0				0								
	LHOKSEUMAWE											352	2	2		200	03	552						
	LANGSA											528	2	1	3	1,056	04	1,594						
	BLANGKALAREN											528	2	1	3	1,056	03	1,594						
	TAKENGON											176	1	2		160	04	336						
	BIREUN											841	3	1		180	03	1,021						
	LHOKSEUMAWE IDI											0				0								
	BANDA ACEH											528	1	2	3	678	04	1,206						
	BANDA ACEH											0				0								
	SEBANG											495	2	1		140	04	635						
	SIGLI											0				0								
	CALANG											212	1			40	03	252						
	MEULABOH											0				0								
	TAPAKTUAN											0				0								
	BAKUNGAN											0				0								
	SINGKIL											0				0								
	BLANG PIDIE											0				0								
	SIBABANG											0				0								
	TOTAL	0	0	0	1	1	4	4	0	0	0	7,948	7	94	33	0	7	7	14,114	0	3,446	2,377	2,831	5,450

TABLE 5C-2 COST ESTIMATION FOR SPUR SYSTEM (2/9)

Unit: 1000 US\$

WITEL	SC & PC NAME	FO-620 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 SYS HOP	DM-140 SYS HOP	DM-34 SYS HOP	DM-17 SYS HOP	DM-8 SYS HOP	EQPT TOTAL	POWER NEWEXP	TOWER NEW REH	LANDROAD BUIL	SUPP OF TOTAL	PRO CODE	IMPLEMENTATION YEAR
		UNIT: NO. OF HOP OR SYSTEM										UNIT: NO. OF SITE					
II	PADANG										0	1	2	3	1	1	0
	PADANG					5	3	2			1,006	1	2	3	1	1	0
	BUKIT TINGGI					1	1				176	1	1				1,684
	LUBUK SIKAPING					4	4				704	1	4	3	1	1	276
	SAWAH LUNTO					3	3				528	1	2	3	1	1	1,482
	SOLOK					2	2				352	1	1	2	1	1	1,206
	PAINAN					2	2				352	1	1	2	1	1	930
	BALAI SALASA					2	2				352	1	1	2	1	1	930
	MUARA SIBEURAT										0						
	PAKANBARU										0						
	PAKANBARU CEN.										0						
	BANGKINANG										0						
	SELAT PANJANG										0						
	SIKASRI INDRAPURA										0						
	DUMAI										0						
	BENGKALIS										0						
	BAGAN SIAPI-API					2	2				352	1	1	2	1	1	930
	TEMBILAHAN					4	4				704	2	2	4	2	2	1,560
	RENGAT					1	1				176	2	2	2	1	1	376
	TALUKKUNTAN					2	2				352	1	1	2	1	1	930
	BATAM SEKUPANG										0						
	TANJUNG PINANG										0						
	RANAI										0						
	DABO SINGKEP										0						
	TJ BALAI KARIMUH										0						
	SEKUPANG										0						
	TJ BATU										0						
											95						95
	TOTAL	0	0	0	0	0	0	0	0	0	4,797	9	17	24	0	9	5,882
		0	0	0	0	0	0	0	0	0	26	24	3	0	0	0	7,970
																	0
																	2,614
																	95

TABLE SC-2 COST ESTIMATION FOR SPUR SYSTEM (3/9)

Unit: 1000 US\$

WITEL	SC & PC NAME	FO-620 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 SYS HOP	DM-140 SYS HOP	DM-34 SYS HOP	DM-17 SYS HOP	DM-8 SYS HOP	EQPT TOTAL	POWER NEW/EXP	TOWER NEW/EXP	LAND/ROAD/BUILD UNIT: NO. OF SITE	SUPPO TOTAL	PRO NO.	IMPLEMENTATION YEAR CODE 1984/85 1985/86 1986/87 1987/88 1988/89				
III	PALEMBANG																				
	PALEMBANG CEN.										352	1	1	1	1	930	830				
	KAYU AGUNG		1	1							319				40	359 01	359				
	PRABUMULIH		1	1							319				40	359 03	359				
	SEKAYU										352	1	1	1	1	930	930				
	PANGKALPINANG										176	1	1		100	276 01	276				
	TJ.PNDAN										0				0	0					
	TJ.KARANG										356	2	1		140	496 02	496				
	TJ.KARANG CEN.										352	1	1	1	1	930 01	930				
	KOTA AGUNG										847	1	3	1	1	1,585 03	1,585				
	LIMA		1	1							352	1	1	1	1	930	930				
	KOTA BUMI										352	1	1	1	1	930 03	930				
	METRO		1	1							495	2	1		140	635 01	635				
	KALANDA		1	1							319		1		40	359 03	359				
	LAHAT										352	1	1	1	1	930 02	930				
	LAHAT										0				0	0					
	CURUP										319		1		40	359 02	359				
	LUBUK LINGGAU		1	1							0				0	0					
	MUARA ENIM										550	1	2	1	1	1,188 01	1,188				
	BATURAJA		1								0				0	0					
	BENGKULU										0				0	0					
	ARAGAMAU										352	1	1	1	1	930 01	930				
	MUARA AMAN										880	2	3	5	2	2,195 03	2,195				
	MANNA																				
	JAMBI										176	1	1		100	276 03	276				
	JAMBI CEN.										0				0	0					
	KUALA TUNGKAL										0				0	0					
	MUARA BULAN										352	1	1	1	1	930 01	930				
	BANGKO										319				40	359 01	359				
	MUARA BUNGO		1	1							847	2	2	3	2	1,943 01	1,943				
	SUNGAI PENUH		1	1																	
	TOTAL	0	0	0	0	0	0	0	0	0	8,366	13	28	31	0	13	13	0	6,280	3,130	1,765
IV	JAKARTA										0										
	JAKARTA										0				0	0					
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 5C-2 COST ESTIMATION FOR SPUR SYSTEM (4/9)

Unit : 1000 US\$

WITEL	SC & PC NAME	UNIT: NO. OF HOP OR SYSTEM										EQPT TOTAL	UNIT: NO. OF SITE										POWER NEW EXP	TOWER	LANDROAD	BUILDSUPPORT TOTAL	PRO CODE	IMPLEMENTATION YEAR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		FO-620 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 SYS HOP	DM-140 SYS HOP	DM-24 SYS HOP	DM-17 SYS HOP	DM-8 SYS HOP	SYS HOP		SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP							SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP	SYS HOP

TABLE 5C-2 COST ESTIMATION FOR SPUR SYSTEM (5/8)

Unit 1000 US\$

WITEL	SC & PC NAME	FO-620 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 HOP SYS	DM-140 HOP SYS	DM-34 HOP SYS	DM-17 HOP SYS	DM-8 HOP SYS	EQPT TOTAL	POWER NEW EXP	TOWER NEW REH	SUPPORT TOTAL	PRO CODE NO.	IMPLEMENTATION YEAR 1994/95 1995/96 1996/97 1997/98 1998/99				
		UNIT: NO. OF HOP OR SYSTEM																		
VII	SURABAYA										0									
	SURABAYA										1,276				05	1,276				
	MOJOKERTO										0									
	LAMONGAN										608				07	608				
	SAMPANG										144				07	144				
	PAMEKASAN										509				07	509				
	SUMENEP																			
	JEMBER										1,585				05	1,575				
	JEMBER										0									
	BONDOWOSO										957				07	957				
BANYUWANGI										495				07	595					
LUMAJANG										0										
PROBOLINGGO										176				06	236					
BESUKI										176				06	236					
SITUBONDO																				
	MALANG										1,133				06	1,233				
	MALANG										814				06	874				
	BLITAR										392				07	392				
	PASURUAN																			
	MADIUN										303				05	363				
	MADIUN										0									
	PONOROGO										319				05	319				
	BOJONEGORO										1,101				05	1,141				
	KEDIRI (1)										638				07	638				
	KEDIRI (2)										319				07	319				
	TULUNG AGUNG										352				05	472				
	TUBAN										0									
	PACITAN										0									
	NGANJUK										0									
TOTAL		0	0	0	0	0	0	0	0	0	11,307	0	5	8	0	0	6,352	1,473	2,321	1,941

TABLE SC-2 COST ESTIMATION FOR SPUR SYSTEM (6/9)

Unit: 1000 US\$

WITEL	SC & PC NAME	UNIT: NO. OF HOP OR SYSTEM										EQPT TOTAL	POWER TOWER LANDROAD/BUILD NEW/EXP NEW/REH UNIT: NO. OF SITE										SUPPORT TOTAL	PRO CODE NO.	IMPLEMENTATION YEAR 1994/95 1995/96 1996/97 1997/98 1998/99																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		FO-620 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 SYS HOP	DM-140 SYS HOP	DM-34 SYS HOP	DM-17 SYS HOP	DM-8 SYS HOP	POWER NEW/EXP		TOWER NEW/REH	LANDROAD/BUILD UNIT: NO. OF SITE	SUPPORT TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
VIII	DENPASAR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

TABLE 5C-2 COST ESTIMATION FOR SPUR SYSTEM (7/9)

WITEL	SC & PC NAME	FO-620 FO-155 FO-140 FO-34 DM-155 DM-140 DM-34 DM-17 DM-8										EQPT TOTAL	POWER TOWER LANDROAD/BUILD NEW/EXP NEW REH		SUPPORT TOTAL	TOTAL	PRO CODE	IMPLEMENTATION YEAR							
		UNIT: NO. OF HOP OR SYSTEM											UNIT: NO. OF SITE												
IX	BANJARMASIN												388		1		60	448	01	448					
	BANJARMASIN												0				0	0							
	PLEIHARI												0				0	0							
	KUALA KAPUAS												0				0	0							
	PALANGKARAYA												0				0	0							
	BUNTOK												564	1	3		220	784	01	784					
	TJ. TABALONG												0				0	0							
	KANDANGAN												0				0	0							
	KOTA BARU												0				0	0							
	MUARATEWEH												528	2	3	2	2	1,016	1,544	01	1,544				
	SAMPIT																								
	SAMPIT											704	2	4	2	2	2	1,078	1,780	01	1,780				
	PANGKALAN BUN											0					0	0							
	KETAPANG											0					0	0							
	SUKADANA											0					0	0							
	KUALA KURUN											0					0	0							
	PURUKCAH											352	1	1	1	1	1	478	830	01	830				
	SAMARINDA																								
	SAMARINDA											0					0	0							
	BALIKAPAPAN											0					0	0							
	TANAH GROGOT											0					0	0							
	TANJUNG REDEP											0					0	0							
	MALAK											0					0	0							
	BONTANG											0					0	0							
	TAPAKAN																								
	TAPAKAN											0					0	0							
	TANJUNG SELOR											0					0	0							
	MALINAU											528	2	3	2	2	2	1,016	1,544	01	1,544				
	SAMBAS											0					0	0							
	PONTANAK																								
	PONTANAK											176	1	1			60	236	02	236					
	SINGAWANG											352	1	2	1	1	1	538	890	02	890				
	NGABANG											0					0	0							
	SANGGAU											0					0	0							
	SINTANG											0					0	0							
	SINTANG											0					0	0							
	PUTUSABAU											180	1	2	1	1	0	180	01	180					
	NANGAPINOH											352	1	2	1	1	538	890	02	890					
	TOTAL											4,124	8	1	20	0	9	9	5,002	9,126	0	7,110	236	1,780	0

TABLE SC-2 COST ESTIMATION FOR SPUR SYSTEM (Rp)

Unit: 1000 US\$

WITEL	SC & PC NAME	UNIT: NO. OF HOP OR SYSTEM										EQPT. TOTAL	POWER NEW EXP		TOWER LANDROAD BUILD SUPPORT TOTAL	PRO CODE	IMPLEMENTATION YEAR												
		FO-020 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-140 SYS HOP	DM-155 SYS HOP	DM-34 SYS HOP	DM-17 SYS HOP	DM-0 SYS HOP	NEW		EXP	UNIT: NO. OF SITE			1994/95	1995/96	1996/97	1997/98	1998/99								
X	LUJUNG PANDANG								2	2		352	1	2		150	512				512								
	WATAMPONE											0				0	0												
	SINJAI											0				0	0												
	WATANSOPENG								1	1		176				60	236				236								
	SENGKANG											0				0	0												
	BANTAENG											180				0	190				190								
	BENTENG											0				0	0												
	TAKALAR								1	1		176				80	236				236								
	JENEPONTO											0				0	0												
	PANGKALANE											0				0	0												
	PARE-PARE								4	2		640	2			120	760				760								
	MAJENE								1	1		176				60	236				236								
	RANTEPAO											0				0	0												
	MALIU											0				0	0												
	MANUUU											0				0	0												
	BARRU									1		95				0	95				95								
	POLEWALI									1		95				0	95												
	ENREKANG								1	1		176				60	236				236								
	MANADO											0				0	0												
	TAHUNA											0				0	0												
	KOTAMOBAGU											0				0	0												
	GORONTALO								2	2	1	447	1			536	965				965								
	KAWANGKOAN								1	1		176				60	236				236								
	BITUNG							1	1	1		386	2			120	506				506								
	AMUPANG								1	1		176				60	236				236								
	PALU																												
	PALU								1	1		176				0	176				176								
	POSO								1	1		176				60	236				236								
	TOLITOLI											0				0	0												
	PARIGI											0				0	0												
	LUWUK											0				0	0												
	BANGGAI								2	2		352	1			536	960				960								
	KENDARI											0				0	0												
	KENDARI								2	2		352	1			536	960				960								
	BAU-BAU											0				0	0												
	RAHA											0				0	0												
	KOLAKA								1	1		176				60	236				236								
	TOTAL	0	0	0	0	0	0	0	0	0	1	22	20	5	0	4,495	3	1	20	0	3	3	2,594	6,966	0	4,572	1,402	0	1,015

TABLE SC-2 COST ESTIMATION FOR SPUR SYSTEM (9/9)

Unit: 1000 US\$

WITEL	SC & PC NAME	FO-620 SYS HOP	FO-155 SYS HOP	FO-140 SYS HOP	FO-34 SYS HOP	DM-155 SYS HOP	DM-140 SYS HOP	DM-34 SYS HOP	DM-17 SYS HOP	DM-8 SYS HOP	EQPT TOTAL	POWER NEW EXP	TOWER NEW REH UNIT: NO. OF SITE	LANDROAD/BUILD TOTAL	SUPPORT TOTAL	PRO CODE NO.	IMPLEMENTATION YEAR 1984/85 1985/86 1986/87 1987/88 1988/89								
XI	AMBON				1	1					176		1		60	236	01	236							
	AMBON										0				0	0									
	NAMLEA										0				0	0									
	MASOHI										0				0	0									
	BULA										0				0	0									
	TUAL										0				0	0									
	DOBO										0				0	0									
	SAUMLAKI										0				0	0									
	BANDANEIPA										0				0	0									
	TERNATE										0				0	0									
	TERNATE						2	2			362	1	1	1	1	478	830	01	830						
	JALOLOLO										0				0	0									
	TOBELO						3	3			528	2	3	2	2	1,016	1,544	01	1,544						
	WEDA										0				0	0									
	LABUHA										0				0	0									
	LAWUI										0				0	0									
	SANANA						2	2			352	1	2	1	1	538	890	01	890						
	SOASIU										0				0	0									
	TOTAL	0	0	0	0	0	0	0	0	0	0	1,408	4	0	7	0	4	4	2,092	3,500	0	0	2,374	0	1,126
	XII	SORONG										176		1		60	236	01	236						
SORONG											0				0	0									
FAKFAK											0				0	0									
KAIMANA											0				0	0									
JAYAPURA											0				0	0									
BAK											0				0	0									
MANOKWARI											0				0	0									
SERUI											0				0	0									
NABIRE											0				0	0									
SARMI											0				0	0									
	JAYAPURA						4	4	8	8	1,904	6	2	10	6	6	6	3,186	5,082	01				5,082	
	WAMENA										0				0	0									
	MERAUKE										0				0	0									
	MERAUKE										0				0	0									
	TANAH MERAH										0				0	0									
	TIPIKA										0				0	0									
TOTAL		0	0	0	0	0	0	0	0	0	2,080	6	2	11	0	6	6	3,248	5,328	0	0	236	5,082	0	0

File: JUNCTION.WK1

TABLE SO-3 COST ESTIMATION FOR JUNCTION SYSTEM (1/2)

Unit: 1000 US\$

WITEL MULTI-EXCHANGE AREA	UNIT: NO. OF HOP OR SYSTEM										EQPT TOTAL	UNIT: NO. OF SITE				SUPPORT TOTAL	PROJECT CODE NO.	IMPLEMENTATION YEAR	
	FO-620	FO-155	FO-140	FO-34	DM-155	DM-140	DM-84	DM-17	DM-8	DM-8		POWER NEW	TOWER NEW	REH NEW	EXP NEW			1994/95	1995/96
I MEDAN (1)	5	1	1	1							2,262	6				294	I01	1995/96	1996/97
II PADANG	1	1	1	1							908	1				210	I02	1995/96	1996/97
III PAKANBARU											1,194	2				259	II01	1995/96	1996/97
IV BAKAM											976	3				147	II02	1995/96	1996/97
V PALEMBANG											0					0		1995/96	1996/97
VI JAMBI											498	3				0	III02	1995/96	1996/97
VII BENGKULU											976	3				147	III03	1995/96	1996/97
VIII TAJIKARANG											076	2				259	III03	1995/96	1996/97
IX JAWARTTA											1,886	5				285	III02	1995/96	1996/97
X BANDUNG											47,880	31				1,519	JKT/JUNC	1995/96	1996/97
XI SEMARANG											10,464	2				714	BO/JUNC	1995/96	1996/97
XII SOLO											2,328	5				245	VI01	1995/96	1996/97
XIII YOGYAKARTA											876	2				0	VI02	1995/96	1996/97
XIV SUPABAYA											4,712	1				357	VI03	1995/96	1996/97
XV MALANG											1,626	2				847	VI06	1995/96	1996/97
XVI DENPASAR											1,850	2				259	VII01	1995/96	1996/97
XVII ULUNG PANDANG											1,105	1				74	XI02	1995/96	1996/97
XVIII AMBON											212	1				244	XI01	1995/96	1996/97
TOTAL	178	28	18	31	0	0	0	0	0	0	60,861	10	77	2	4	1	0	37,240	28,501

TABLE SO-3 COST ESTIMATION FOR JUNCTION SYSTEM (2/2) (ADD 1.5 MILLION)

File: JUNC1500.WK1

Unit: 1000 US\$

WITEL MULTI-EXCHANGE AREA	UNIT: NO. OF HOP OR SYSTEM										EQPT TOTAL	UNIT: NO. OF SITE				SUPPORT TOTAL	PROJECT CODE NO.	IMPLEMENTATION YEAR	
	FO-620	FO-155	FO-140	FO-34	DM-155	DM-140	DM-84	DM-17	DM-8	DM-8		POWER NEW	TOWER NEW	REH NEW	EXP NEW			1994/95	1995/96
IV JAKARTA (TRUNK)	5	1									2,310	1				49	2,359	1995/96	1996/97
IV JAKARTA (LOCAL)	12	6									6,516	7				343	6,859	1995/96	1996/97
V BANDUNG (TRUNK)	3	1									1,494	1				46	1,543	1995/96	1996/97
V BANDUNG (LOCAL)	8	4									4,344	5				245	4,589	1995/96	1996/97
VII SUPABAYA (TRUNK)	3	1									1,494	1				49	1,543	1995/96	1996/97
VII SUPABAYA (LOCAL)	8	4									4,344	5				245	4,589	1995/96	1996/97
TOTAL	38	17	0	0	0	0	0	0	0	0	20,502	0	20	0	0	990	21,492	0	0

TABLE 5C-4 COST ESTIMATION FOR PALAPA SATELLITE SYSTEM

File: SAT.WK1

Unit 1000 US\$

	Unit	Q'ty	Remarks
SBB	station	14	10,402 The cost includes;
SBS	station	3	1,935 equipment and works fee,
SBK	station	18	2,448 land acquisition and
			building construction fee.
TDMA	Channel Expansion	3,116	31,160
SCPC	Channel Expansion	893	9,823
Sub Total		55,768	
=====			
PALAPA-C launching	set	1	300,000
=====			
Grand Total		355,768	

COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL I)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(4)	(9)		(10)	(11)	(12)	(13)	(14)	(15)
			(SSP)	(SSP)	(\\$)	(\\$)	(\\$)	(\\$)	(\\$)	(\\$)
1	61	Medan Balai Kota	353,850	104,900	0	0	7,105	29,365	245	36,715
2	620	Pangkalan Brandan	3,120	3,170	0	1,110	0	0	0	1,110
3	621	Tebing Tinggi Deli	17,800	660	0	165	0	67	0	231
4	622	S. Siantar Centrum	310	2,130	0	221	0	396	130	746
5	623	Kisaran	12,170	2,470	0	735	0	130	0	865
6	624	Rantau Prapat	5,790	1,300	0	0	0	0	455	455
7	625	Parapat	1,750	1,520	0	0	189	343	0	532
	626	Pangururan	300	540	0	0	189	0	0	189
8	627	Sidikalang	1,400	1,320	0	0	0	462	0	462
9	628	Kabanjahe	6,550	150	0	53	0	0	0	53
10	629	Kuta Cane	2,700	2,450	0	0	0	858	0	858
11	631	Sibolga	6,200	2,800	0	0	0	980	0	980
12	632	Balige	1,370	2,080	0	0	728	0	0	728
13	633	Tarutung	2,160	2,190	0	0	767	0	0	767
14	634	Padang Sidempuan	1,890	2,590	0	0	907	0	0	907
15	636	Penyabungan	520	710	0	0	249	0	0	249
16	639	Gunung Sitoli	2,980	2,540	0	0	889	0	0	889
17	641	Langsa	8,420	6,400	0	2,240	0	0	0	2,240
18	642	Blang Kejeru	220	0	0	0	0	0	0	0
19	643	Takengon	1,330	3,790	0	0	1,327	0	0	1,327
20	644	Bireuen	1,800	2,390	0	0	0	837	0	837
21	645	Lhokseumawe	18,800	58,180	0	0	20,717	0	0	20,717
22	646	Idi	1,600	2,200	0	0	0	770	0	770
23	650	Sinabang	600	500	0	175	0	0	0	175
24	651	Banda Aceh Centrum	61,520	2,530	0	0	0	0	886	886
25	652	Sabang	1,500	0	0	0	0	0	0	0
26	653	Sigli	4,920	820	0	0	0	67	221	287
27	654	Calang	120	0	0	0	0	0	0	0
28	655	Meulaboh	2,527	0	0	0	0	0	0	0
29	656	Tapak Tuan	1,290	2,200	0	0	770	0	0	770
30	657	Bakungan	120	300	0	0	0	105	0	105
31	658	Singkil	600	400	0	0	0	140	0	140
32	659	Blang Pedie	600	800	0	0	280	0	0	280

		WITEL I TOTAL	526,827	215,040	0	4,697	34,115	34,517	1,936	75,264
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL II)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	751	Padang Centrum	32,240	37,090	0	12,982	0	0	0	12,982
2	752	Bukit Tinggi	16,330	10,690	0	0	0	3,742	0	3,742
3	753	Lubuk Sikaping	730	850	0	298	0	0	0	298
4	754	Sawahunto	1,500	620	0	217	0	0	0	217
5	755	Selok	3,740	2,910	0	1,019	0	0	0	1,019
6	756	Painan	1,320	370	0	130	0	0	0	130
7	757	Balai Selasa	200	100	0	35	0	0	0	35
8	759	Muara Sibeurat	100	90	0	0	32	0	0	32
9	760	Teluk Kuantan	400	300	0	105	0	0	0	105
10	761	Pekanbaru Centrum	22,830	24,900	0	0	5,901	1,659	1,155	8,715
11	762	Bangkinang	680	490	0	172	0	0	0	172
12	763	Selat Panjang	4,000	0	0	0	0	0	0	0
13	764	Siak Sri Indrapura	280	480	0	168	0	0	0	168
14	765	Dumai	7,920	4,710	0	1,649	0	0	0	1,649
15	766	Bengkalis	880	1,090	0	382	0	0	0	382
16	767	Bagan Siapi-Api	80	1,380	0	0	0	483	0	483
17	768	Tembilahan	1,640	1,930	0	676	0	0	0	676
18	769	Rengat	1,860	490	0	172	0	0	0	172
19	771	Tj. Pinang	7,500	6,900	0	2,415	0	0	0	2,415
20	773	Ranai								0
21	776	Dabo Singkep	900	630	0	221	0	0	0	221
22	777	Tj. Balai Karimun	2,500	530	0	186	0	0	0	186
23	778	Batam Sekupang	71,700	55,470	0	0	19,415	0	0	19,415
24	779	Tanjung Batu	7,100	1,630	0	0	0	0	571	571

		WITEL II TOTAL	186,430	153,650	0	20,822	25,347	5,884	1,726	53,778
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL III)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	711	Palembang Centrum	74,320	58,770	0	0	0	20,570	0	20,570
2	712	Kayu Agung	1,760	780	0	0	273	0	0	273
3	713	Prabu Mulih	2,580	2,950	0	0	0	0	1,033	1,033
4	714	Sekaya	1,000	1,290	0	452	0	0	0	452
5	717	Pangkal Pinang	33,780	8,500	0	0	2,975	0	0	2,975
6	718	Tanjung Pandan	400	2,800	0	980	0	0	0	980
7	721	Tj. Karang Centrum	47,540	43,680	0	0	0	15,288	0	15,288
8	722	Kota Agung	1,965	480	0	0	168	0	0	168
9	723	Liwa	800	590	0	0	0	0	207	207
10	724	Kota Bumi	2,200	4,290	0	0	0	0	1,502	1,502
11	725	Metro	4,800	2,970	0	0	1,040	0	0	1,040
12	727	Kalianda	75	750	0	0	0	0	263	263
13	731	Lahat	12,150	7,340	0	217	32	2,321	0	2,569
14	732	Curup	5,470	9,130	0	3,196	0	0	0	3,196
15	733	Lubuk Linggau	3,100	5,560	0	1,911	0	35	0	1,946
16	734	Muara Enim	400	2,680	0	669	270	0	0	938
17	735	Baturaja	8,900	11,160	0	3,906	0	0	0	3,906
18	736	Bengkulu Centrum	8,100	47,340	0	2,520	0	0	14,049	16,569
19	737	Argamakmur	880	1,280	0	0	0	0	448	448
20	738	Muara Aman	109	0	0	0	0	0	0	0
21	739	Manna	800	23,799	0	8,193	0	0	137	8,330
22	741	Jambi Centrum	25,500	32,000	0	3,798	0	0	7,403	11,200
23	742	Kuala Tungkal	1,700	940	0	329	0	0	0	329
24	743	Muara Bulian	940	510	0	179	0	0	0	179
25	746	Bangko	900	240	0	84	0	0	0	84
26	747	Muara Bungo	1,100	460	0	161	0	0	0	161
27	748	Sungai Penuh	2,490	1,400	0	490	0	0	0	490

		WITEL III TOTAL	243,750	271,689	0	27,083	4,757	38,213	25,039	95,091
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL IV)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	21	JAKARTA UTARA	490,304	146,650	0	0	41,703	0	9,625	51,328
2	21	JAKARTA PUSAT	326,750	191,010	0	37,919	0	0	28,935	66,854
3	21	JAKARTA SELATAN	434,343	332,290	0	33,996	65,324	7,875	9,107	116,302
4	21	JAKARTA BARAT	403,555	360,060	0	6,773	97,325	6,965	14,959	126,021
5	21	JAKARTA TIMUR	468,035	334,570	0	22,355	75,842	2,223	16,681	117,100

		WITEL IV TOTAL	2,122,987	1,364,580	0	101,042	280,193	17,063	79,307	477,603
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COST ESTIMATED FOR OUTSIDE PLANT (BY AREAS)
(WITEL V)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	22	Bandung Centrum	217,089	517,910	0	74,652	0	106,617	0	181,269
2	231	Cirebon Centrum	13,969	22,060	0	0	7,721	0	0	7,721
3	232	Kuningan	3,542	3,060	0	1,071	0	0	0	1,071
4	233	Majalengka	1,260	1,950	0	683	0	0	0	683
5	234	Indramayu	5,600	2,570	0	0	900	0	0	900
6	251	Bogor	29,148	69,550	0	0	24,343	0	0	24,343
7	252	Rangasbitung	8,140	170	0	60	0	0	0	60
8	253	Padeglang	2,130	1,350	0	0	0	473	0	473
9	254	Serang	15,120	14,850	0	3,479	0	1,719	0	5,198
10	255	Sindang Laya	2,900	2,790	0	0	0	2,790	0	2,790
11	261	Sumedang	3,600	2,350	0	823	0	0	0	823
12	262	Garut	3,270	9,290	0	0	0	3,252	0	3,252
13	263	Cianjur	8,092	19,270	0	0	6,745	0	0	6,745
14	264	Purwakarta	27,582	12,150	0	4,253	0	0	0	4,253
15	265	Tasikmalaya	27,394	57,600	0	20,160	0	0	0	20,160
16	266	Sukabumi	3,362	24,570	0	0	0	8,600	0	8,600
17	267	Karawang	9,126	9,860	0	2,674	0	777	0	3,451
18	269	Pameungpeuk	520	413	0	413	0	0	0	413

		WITEL V TOTAL	381,854	771,763	0	108,266	39,708	124,226	0	272,199
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COST ESTIMATED FOR OUTSIDE PLANT (BY AREAS)
(WITEL VI)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	24	Semarang Johor	112,200	158,190	0	0	55,132	235	0	55,367
2	271	Soro I (Gladak)	34,392	68,775	0	24,071	0	0	0	24,071
3	272	Klaten	4,328	5,095	0	0	0	1,783	0	1,783
4	273	Wonogiri	1,756	6,400	0	0	2,240	0	0	2,240
5	274	Yk. Kotabaru	54,251	33,500	0	525	11,200	0	0	11,725
6	275	Purworejo	2,250	3,630	0	1,271	0	0	0	1,271
7	276	Boyolali	1,200	2,090	0	0	0	2,090	0	2,090
8	281	Purwokerto	6,302	14,680	0	5,138	0	0	0	5,138
9	282	Cilacap	9,078	6,510	0	0	0	2,279	0	2,279
10	283	Tegal Selatan	3,680	18,110	0	6,339	0	0	0	6,339
11	284	Pemalang	2,280	2,410	0	0	0	0	844	844
12	285	Pekalongan (Timur)	11,582	12,210	0	4,274	0	0	0	4,274
13	286	Wonosobo	5,450	6,290	0	970	0	1,232	0	2,202
14	287	Kebumen	3,740	5,020	0	0	0	1,757	0	1,757
15	291	Kudus	12,766	11,940	0	0	0	4,179	0	4,179
16	292	Purwodadi Grobogan	1,280	5,420	0	266	1,631	0	0	1,897
17	293	Magelang	13,810	16,750	0	0	0	2,002	3,861	5,863
18	294	Kendal	2,542	11,470	0	4,015	0	0	0	4,015
19	295	Pati	4,690	8,340	0	2,919	0	0	0	2,919
20	296	Blora	3,916	5,350	0	1,873	0	0	0	1,873
21	298	Salatiga	7,100	10,660	0	3,168	0	0	564	3,731

		WITEL VI TOTAL	298,593	412,840	0	54,826	70,203	15,556	5,268	145,852
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL VII)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	31	SBY Kapasan	245,851	411,030	0	28,420	110,607	4,834	0	143,861
2	321	Mojokerto	8,220	21,100	0	7,385	0	0	0	7,385
3	322	Lamongan	640	1,281	0	1,281	0	0	0	1,281
4	323	Sampang	920	8,670	0	0	0	0	3,035	3,035
5	324	Pamekasan	1,720	12,080	0	0	0	4,228	0	4,228
6	328	Sumenep	3,200	473	0	0	0	473	0	473
7	331	Jember	12,305	7,050	0	2,468	0	0	0	2,468
8	332	Bondowoso	1,690	1,502	0	1,502	0	0	0	1,502
9	333	Banyuwangi	4,967	17,760	0	0	0	6,216	0	6,216
10	334	Lumajang	3,171	4,560	0	0	0	0	1,596	1,596
11	335	Probolinggo	4,060	7,060	0	0	0	2,471	0	2,471
12	336	Besuki	400	312	0	0	312	0	0	312
13	338	Situbondo	3,270	8,770	0	3,070	0	0	0	3,070
14	341	Malang Klojen	21,098	78,570	0	24,973	0	0	2,527	27,500
15	342	Blitar	5,320	10,240	0	0	3,584	0	0	3,584
16	343	Pasuruan	7,181	36,970	0	0	0	12,940	0	12,940
17	351	Madiun	7,456	18,130	0	0	6,346	0	0	6,346
18	352	Ponorogo	2,650	1,351	0	0	0	1,351	0	1,351
19	353	Bojonegoro	2,285	420	0	147	0	0	0	147
20	354	Kediri	9,794	21,470	0	3,070	0	0	4,445	7,515
21	355	Tulung Agung	3,590	9,780	0	0	0	3,423	0	3,423
22	356	Tuban	3,000	3,740	0	1,309	0	0	0	1,309
23	357	Pacitan	310	1,379	0	0	1,379	0	0	1,379
24	358	Naganjuk	3,254	2,250	0	788	0	0	0	788

		WITEL VII TOTAL	356,352	685,947	0	74,410	122,227	35,935	11,603	244,174
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL VIII)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	361	Denpasar Kaliasen	94,660	125,230	0	43,831	0	0	0	43,831
2	362	Singaraja	8,210	0	0	0	0	0	0	0
3	363	Amlapura	1,900	795	0	0	795	0	0	795
4	364	Mataram	16,620	17,160	0	0	6,006	0	0	6,006
5	365	Nogara	4,000	3,084	0	3,084	0	0	0	3,084
6	366	Klungkung	4,180	7,210	0	0	0	2,524	0	2,524
7	367	Selong	780	336	0	336	0	0	0	336
8	371	Sumbawa Besar	3,300	977	0	0	977	0	0	977
9	372	Alas	820	640	0	224	0	0	0	224
10	373	Dompu	830	546	0	0	0	546	0	546
11	374	Bima	2,470	6,860	0	0	0	2,401	0	2,401
12	377	Vikeke (Viqueque)	100	196	0	196	0	0	0	196
13	381	Ende	1,370	1,580	0	553	0	0	0	553
14	382	Maumere	900	595	0	0	595	0	0	595
15	383	Larantuka	390	270	0	270	0	0	0	270
16	384	Bajawa	600	151	0	151	0	0	0	151
17	385	Ruteng	1,180	1,280	0	448	0	0	0	448
18	386	Waingapu (Pandawa)	950	378	0	378	0	0	0	378
19	387	Waikabubak	750	354	0	354	0	0	0	354
20	390	Dilli	4,160	6,890	0	0	2,412	0	0	2,412
21	391	Kupang	6,920	6,910	0	0	0	2,419	0	2,419
22	392	SOE	1,300	1,130	0	396	0	0	0	396
23	393	Kefamenahu	320	105	0	105	0	0	0	105
24	394	Atambua	900	1,020	0	357	0	0	0	357
25	395	BAA (Timur)	300	100	0	35	0	0	0	35
26	397	Kalabahi	500	256	0	256	0	0	0	256
27	398	Ermera	400	224	0	224	0	0	0	224
28	399	Baucau	800	1,420	0	497	0	0	0	497

		WITEL VIII TOTAL	159,610	185,694	0	51,692	10,784	7,889	0	70,364
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL IX)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	511	Banjarmasin Kota	35,300	72,090	0	25,232	0	0	0	25,232
2	512	Pleihari	1,300	784	0	0	0	784	0	784
3	513	Kuala Kapuas	2,220	2,380	0	0	0	833	0	833
4	514	Palangkaraya	6,648	1,705	0	0	1,705	0	0	1,705
5	515	Buntok	1,540	1,050	0	368	0	0	0	368
6	516	Tanjung Tabalong	1,030	991	0	0	0	991	0	991
7	517	Kandangan	5,500	9,230	0	0	3,231	0	0	3,231
8	518	Kota Baru	1,080	8,770	0	0	0	2,356	714	3,070
9	519	Muara Teweh	1,120	644	0	644	0	0	0	644
10	531	Sampit	3,100	4,140	0	1,449	0	0	0	1,449
11	532	Pangkalan Bun	2,305	1,225	0	0	0	1,225	0	1,225
12	534	Ketapang	1,070	3,880	0	0	1,358	0	0	1,358
13	535	Sukadana Kalimantan	0	147	0	147	0	0	0	147
14	537	Kuala Kurun	400	0	0	0	0	0	0	0
15	538	Puruk Cau	0	35	0	35	0	0	0	35
16	541	Samarinda	23,140	34,920	0	12,222	0	0	0	12,222
17	542	Balikpapan	14,100	35,640	0	0	0	0	12,474	12,474
18	543	Tanah Grogot	1,600	396	0	396	0	0	0	396
19	544	Tanjung Redep	1,500	756	0	756	0	0	0	756
20	545	Malak (Longiram)	0	140	0	140	0	0	0	140
21	548	Bontang	3,860	1,880	0	0	1,880	0	0	1,880
22	551	Tarakan	3,090	6,010	0	2,104	0	0	0	2,104
23	552	Tanjung Selor	1,400	466	0	466	0	0	0	466
24	553	Malinau	200	109	0	109	0	0	0	109
25	556	Sambas	440	529	0	0	0	0	529	529
26	561	Pontianak I	14,700	45,150	0	2,100	13,703	0	0	15,803
27	562	Singkaweng	4,370	4,840	0	0	0	634	1,061	1,694
27	563	Ngabang	320	357	0	0	0	357	0	357
28	564	Sanggau	1,160	3,470	0	1,215	0	0	0	1,215
29	565	Sintang	680	875	0	875	0	0	0	875
30	567	Putusibau	250	1,550	0	427	0	0	116	543
31	568	Nangapinoh	264	284	0	0	0	284	0	284

		WITEL IX TOTAL	133,687	244,439	0	48,682	21,875	7,462	14,893	92,911
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL X)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\\$)	(\\$)	(\\$)	(\\$)	(\\$)	(\\$)
1	401	Kendari	2,376	7,350	0	2,573	0	0	0	2,573
2	402	Bau-Bau	2,000	3,500	0	0	1,225	0	0	1,225
3	403	Raha	2,600	424	0	424	0	0	0	424
4	405	Kolaka	1,200	2,490	0	728	144	0	0	872
5	410	Pangkajene	1,474	3,190	0	1,117	0	0	0	1,117
6	411	UJ. Pandang Balaikota	90,289	107,350	0	0	37,573	0	0	37,573
7	413	Bantaeng	2,880	2,890	0	1,012	0	0	0	1,012
8	414	Bonteng	1,140	501	0	0	0	0	501	501
9	418	Sinjai	1,890	2,480	0	291	0	0	578	868
10	419	Jeneponto	880	280	0	0	0	0	280	280
11	421	Pare-pare	7,680	10,760	0	3,766	0	0	0	3,766
12	422	Majene	1,000	284	0	284	0	0	0	284
13	423	Rantepao	970	816	0	816	0	0	0	816
14	424	Malili	0	560	0	0	560	0	0	560
15	426	Mamuju	340	266	0	266	0	0	0	266
16	428	Polewali	1,220	602	0	0	0	0	602	602
17	429	Enrekang	600	469	0	235	0	0	235	469
18	430	Amurang	300	193	0	193	0	0	0	193
19	431	Manado I	550	22,880	0	0	8,008	0	0	8,008
20	432	Tahuna	1,080	3,080	0	637	0	0	441	1,078
21	434	Kotamobagu	1,100	823	0	823	0	0	0	823
22	435	Gorontalo	1,500	11,230	0	3,931	0	0	0	3,931
23	436	Tondano	640	2,810	0	984	0	0	0	984
24	438	Bitung	2,660	9,360	0	0	0	0	3,276	3,276
25	450	Parigi	400	95	0	95	0	0	0	95
26	451	Palu	12,062	11,590	0	0	0	0	4,057	4,057
27	452	Poso	2,540	6,190	0	2,167	0	0	0	2,167
28	453	Toli Toli	1,740	648	0	648	0	0	0	648
29	461	Luwuk	0	1,456	0	1,456	0	0	0	1,456
30	462	Banggai	0	200	0	0	200	0	0	200
31	471	Palopo	2,340	1,215	0	1,215	0	0	0	1,215
32	481	Watampone	2,860	1,778	0	1,778	0	0	0	1,778
33	484	Watansoppeng	1,380	1,350	0	0	0	0	473	473
34	485	Singkan	0	672	0	672	0	0	0	672

		WITEL X TOTAL	149,691	219,777	0	26,103	47,709	0	10,441	84,252
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL XI)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	910	Banda Neira	350	390	0	137	0	0	0	137
2	911	Ambon Centrum	18,440	3,710	0	0	0	0	1,299	1,299
3	913	Namlea	350	4,110	0	1,439	0	0	0	1,439
4	914	Masohi	1,610	2,170	0	0	760	0	0	760
5	916	Tual	1,300	1,800	0	0	0	0	630	630
6	917	Dobo	300	850	0	298	0	0	0	298
7	918	Saumlaki	600	1,810	0	0	634	0	0	634
8	920	Soa Siu	1,000	1,240	0	0	0	0	434	434
9	921	Ternate	6,250	5,630	0	0	1,971	0	0	1,971
10	922	Jailoloto	0	680	0	0	238	0	0	238
11	924	Tobelo	600	2,180	0	0	0	0	763	763
12	925	Weda		100	0	0	35	0	0	35
13	927	Labuha	350	370	0	130	0	0	0	130
14	929	Sahana	280	1,080	0	378	0	0	0	378

		WITEL XI TOTAL	31,430	26,120	0	2,380	3,637	0	3,126	9,142
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COST ESTIMATION FOR OUTSIDE PLANT (BY AREAS)
(WITEL XII)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Existing On-going	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			(SSP)	(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	951	Sorong	3,980	13,300	0	4,655	0	0	0	4,655
2	956	Fak-Fak	2,028	3,470	0	1,215	0	0	0	1,215
3	957	Kaimana	260	810	0	0	0	0	284	284
4	961	Biak	2,430	3,940	0	1,379	0	0	0	1,379
5	962	Manokwari	2,424	2,580	0	903	0	0	0	903
6	963	Serui	1,160	980	0	35	308	0	0	343
7	964	Nabire	7,010	180	0	0	63	0	0	63
8	966	Sarmi	200	0	0	0	0	0	0	0
9	967	Jayapura	34,580	25,210	0	0	8,824	0	0	8,824
10	969	Wamena	1,140	2,030	0	0	0	711	0	711
11	971	Merauke	1,362	3,400	0	1,190	0	0	0	1,190
12	975	Tanah Merah	60	100	0	35	0	0	0	35
13	979	Timika	520	2,700	0	0	0	945	0	945

		WITEL XII TOTAL	57,154	58,700	0	9,412	9,195	1,656	284	20,545
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL I)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	61	Medan Balai Kota	107	0	0	0	738	536	1,274
2	620	Pangkalan Brandan	292	0	1,513	0	0	0	1,513
3	621	Tebing Tinggi Deli	272	0	1,535	355	724	0	2,614
4	622	S. Siantar Centram	308	0	478	0	518	1,546	2,542
5	623	Kisaran	880	0	1,634	0	2,724	0	4,358
6	624	Rantau Prapat	390	0	0	0	0	3,283	3,283
7	625	Parapat	100	0	0	0	600	0	600
8	626	Pangururan	27	0	0	352	0	0	352
9	627	Sidikalang	183	0	0	0	1,402	0	1,402
10	628	Kabanjahe	88	0	1,274	0	0	0	1,274
11	629	Kuta Cane	1	0	0	0	286	0	286
12	631	Sibolga	29	0	0	1,185	0	0	1,185
13	632	Balige	187	0	0	1,694	0	0	1,694
14	633	Tarutung	35	0	0	379	0	0	379
15	634	Padang Sidempuan	453	0	0	2,710	0	0	2,710
16	636	Penyabungan	172	0	0	1,560	0	0	1,560
17	639	Gunung Sitoli	393	0	0	2,135	0	0	2,135
18	641	Langsa	723	0	3,693	0	0	0	3,693
19	642	Blang Kejeru	23	0	0	0	598	0	598
20	643	Takengon	121	0	0	1,061	0	0	1,061
21	644	Bireuen	218	0	0	0	1,414	0	1,414
22	645	Lhokseumawe	363	0	0	2,250	0	0	2,250
23	646	Idi	290	0	0	0	1,246	0	1,246
24	650	Sinabang	77	0	847	0	0	0	847
25	651	Banda Aceh Centrum	176	0	0	0	0	1,898	1,898
26	652	Sabang	0	0	0	0	0	0	0
27	653	Sigli	146	0	0	0	420	1,211	1,631
28	654	Calang	297	0	0	1,270	0	0	1,270
29	655	Meulaboh	0	0	0	2,393	0	0	2,393
30	656	Tapak Tuan	9	0	0	494	0	0	494
31	657	Bakungan	208	0	0	0	967	0	967
32	658	Singkil	112	0	0	0	901	0	901
33	659	Blang Pedie	14	0	0	308	0	0	308

		WITEL I TOTAL	6,694	0	10,974	18,146	12,538	8,474	50,132
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL II)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	751	Padang Centrum	25	0	410	0	0	0	410
2	752	Bukit Tinggi	569	0	0	0	4,080	0	4,080
3	753	Lubuk Sikaping	385	0	2,999	0	0	0	2,999
4	754	Sawahlunto	42	0	663	0	0	0	663
5	755	Solok	177	0	1,967	0	0	0	1,967
6	756	Painan	52	0	697	0	0	0	697
7	757	Balai Selasa	63	0	734	0	0	0	734
8	759	Muara Sibeurat	372	0	0	2,045	0	0	2,045
9	760	Teluk Kuantan	74	0	902	0	0	0	902
10	761	Pakanbaru Centrum	0	0	0	0	0	0	0
11	762	Bangkinang	952	0	4,667	0	0	0	4,667
12	763	Selat Panjang	150	0	900	0	0	0	900
13	764	Siak Sri Indrapura	58	0	587	0	0	0	587
14	765	Dumai	0	0	0	0	0	0	0
15	766	Bengkalis	103	0	610	0	0	0	610
16	767	Bagan Siapi-Api	1,260	0	0	0	5,259	0	5,259
17	768	Tembilahan	1,655	0	7,512	0	0	0	7,512
18	769	Rengat	152	0	1,167	0	0	0	1,167
19	771	Tj. Pinang	649	0	2,727	0	0	0	2,727
20	773	Ranai	0	0	0	0	0	0	0
21	776	Dabo Singkep	0	0	0	0	0	0	0
22	777	Tj. Balai Karimun	0	0	0	0	0	0	0
23	778	Batam Sekupang	736	0	0	3,283	0	0	3,283
24	779	Tanjung Batu	1,453	0	0	0	0	5,980	5,980

		WITEL II TOTAL	8,927	0	26,542	5,328	9,339	5,980	47,189
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL III)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	711	Palembang Centrum	3	0	0	0	338	0	338
2	712	Kayu Agung	326	0	0	1,953	0	0	1,953
3	713	Prabu Mulih	294	0	0	0	0	1,260	1,260
4	714	Sekaya	98	0	853	0	0	0	853
5	717	Pangkal Pinang	1,279	0	0	6,169	0	0	6,169
6	718	Tanjung Pandan	364	0	1,628	0	0	0	1,628
7	721	Tj. Karang Centrum	105	0	0	0	617	0	617
8	722	Kota Agung	93	0	0	1,096	0	0	1,096
9	723	Liwa	174	0	0	0	0	1,762	1,762
10	724	Kota Bumi	116	0	0	0	0	1,109	1,109
11	725	Metro	564	0	0	4,063	0	0	4,063
12	727	Kalianda	79	0	0	0	0	789	789
13	731	Lahat	1,349	0	457	1,393	4,296	0	6,146
14	732	Curup	932	0	3,949	0	0	0	3,949
15	733	Lubuk Linggau	91	0	912	0	503	0	1,415
16	734	Muara Enim	360	0	1,492	642	0	0	2,134
17	735	Baturaja	889	0	4,778	0	0	0	4,778
18	736	Bengkulu Centrum	198	0	0	0	0	1,063	1,063
19	737	Argamakmur	167	0	0	0	0	1,088	1,088
20	738	Muara Aman	150	0	770	0	0	0	770
21	739	Manna	463	0	1,015	0	0	1,340	2,355
22	741	Jambi Centrum	29	0	3,798	0	0	359	4,157
23	742	Kuala Tungkal	110	0	829	0	0	0	829
24	743	Muara Bulian	61	0	662	0	0	0	662
25	746	Bangko	64	0	1,063	0	0	0	1,063
26	747	Muara Bungo	57	0	844	0	0	0	844
27	748	Sungai Penuh	43	0	731	0	0	0	731

		WITEL III TOTAL	8,458	0	23,781	15,316	5,754	8,770	53,621
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COST ESTIMATED FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL V)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	22	Bandung Centrum	0	0	0	0	0	0	0
2	231	Cirebon Centrum	78	0	0	898	0	0	898
3	232	Kuningan	84	0	546	0	0	0	546
4	233	Majalengka	43	0	406	0	0	0	406
5	234	Indramayu	78	0	0	525	0	0	525
6	251	Bogor	507	0	0	2,504	0	0	2,504
7	252	Rangasbitung	86	0	1,072	0	0	0	1,072
8	253	Padeglang	204	0	0	0	1,869	0	1,869
9	254	Serang	86	0	841	0	687	0	1,528
10	255	Sindang Laya	0	0	0	0	0	0	0
11	261	Sumedang	108	0	627	0	0	0	627
12	262	Garut	63	0	0	0	1,429	0	1,429
13	263	Cianjur	82	0	0	1,285	0	0	1,285
14	264	Purwakarta	221	0	2,232	0	0	0	2,232
15	265	Tasikmalaya	284	0	3,967	0	0	0	3,967
16	266	Sukabumi	222	0	0	0	2,055	0	2,055
17	267	Karawang	30	0	494	0	331	0	825
18	269	Pameungpeuk	5	0	413	0	0	0	413

		WITEL V TOTAL	2,181	0	10,598	5,212	6,371	0	22,181
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL VI)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	24	Semarang Johor	73	0	0	0	898	0	898
2	271	Soro I (Gladak)	2,254	0	10,588	0	0	0	10,588
3	272	Klaten	155	0	0	0	1,307	0	1,307
4	273	Wonogiri	284	0	0	2,201	0	0	2,201
5	274	Yk. Kotabaru	692	0	838	3,140	0	0	3,978
6	275	Purworejo	66	0	744	0	0	0	744
7	276	Boyolali	112	0	0	0	641	0	641
8	281	Purwokerto	612	0	4,515	0	0	0	4,515
9	282	Cilacap	77	0	0	0	1,223	0	1,223
10	283	Tegal Selatan	65	0	1,091	0	0	0	1,091
11	284	Pemalang	0	0	0	0	0	376	376
12	285	Pekalongan (Timur)	33	0	1,164	0	0	0	1,164
13	286	Wonosobo	390	0	539	0	1,892	0	2,431
14	287	Kebumen	46	0	0	0	1,679	0	1,679
15	291	Kudus	188	0	0	0	899	0	899
16	292	Purwodadi Grobogan	0	0	0	0	0	0	0
17	293	Magelang	52	0	0	0	359	338	697
18	294	Kendal	50	0	430	0	0	0	430
19	295	Pati	409	0	3,147	0	0	0	3,147
20	296	Blora	317	0	2,313	0	0	0	2,313
21	298	Salatiga	0	0	3,417	0	0	564	3,981

		WITEL VI TOTAL	5,875	0	28,786	5,341	8,898	1,278	44,303
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL VII)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	31	SBY Kapasan	490	0	0	3,031	0	0	3,031
2	321	Mojokerto	255	0	2,415	0	0	0	2,415
3	322	Lamongan	361	0	1,281	0	0	0	1,281
4	323	Sampang	165	0	0	0	0	1,796	1,796
5	324	Pamekasan	135	0	0	0	1,304	0	1,304
6	328	Sumenep	219	0	0	0	1,005	0	1,005
7	331	Jember	0	0	0	0	0	0	0
8	332	Bondowoso	68	0	491	0	0	0	491
9	333	Banyuwangi	165	0	0	0	1,602	0	1,602
10	334	Lumajang	133	0	0	0	0	972	972
11	335	Probolinggo	110	0	0	0	894	0	894
12	336	Besuki	21	0	0	331	0	0	331
13	338	Situbondo	758	0	3,753	0	0	0	3,753
14	341	Malang Klojen	123	0	938	0	0	0	938
15	342	Blitar	140	0	0	1,777	0	0	1,777
16	343	Pasuruan	377	0	0	0	1,801	0	1,801
17	351	Madiun	552	0	0	3,176	0	0	3,176
18	352	Ponorogo	198	0	0	0	933	0	933
19	353	Bojonegoro	198	0	1,973	0	0	0	1,973
20	354	Kediri	1,279	0	1,619	0	0	4,977	6,596
21	355	Tulung Agung	206	0	0	0	2,259	0	2,259
22	356	Tubun	302	0	2,196	0	0	0	2,196
23	357	Pacitan	150	0	0	1,355	0	0	1,355
24	358	Naganjuk	231	0	1,045	0	0	0	1,045

		WITEL VII TOTAL	6,636	0	15,711	9,670	9,798	7,745	42,924
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL VIII)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	361	Denpasar Kaliasen	295	0	1,523	0	0	0	1,523
2	362	Singaraja	174	0	0	1,112	0	0	1,112
3	363	Amlapura	132	0	0	709	0	0	709
4	364	Mataram	143	0	0	1,006	0	0	1,006
5	365	Negara	47	0	420	0	0	0	420
6	366	Klungkung	317	0	0	0	1,598	0	1,598
7	367	Selong	111	0	637	0	0	0	637
8	371	Sumbawa Besar	52	0	0	437	0	0	437
9	372	Alas	14	0	308	0	0	0	308
10	373	Dompu	15	0	0	0	311	0	311
11	374	Bima	61	0	0	0	467	0	467
12	377	Vikeke (Viqueque)	75	0	515	0	0	0	515
13	381	Ende	24	0	692	0	0	0	692
14	382	Maumere	43	0	0	796	0	0	796
15	383	Larantuka	58	0	1,237	0	0	0	1,237
16	384	Bajawa	85	0	1,069	0	0	0	1,069
17	385	Ruteng	91	0	1,154	0	0	0	1,154
18	386	Waingapu (Pandawa)	142	0	1,198	0	0	0	1,198
19	387	Waikabubak	55	0	447	0	0	0	447
20	390	Dilli	371	0	0	4,006	0	0	4,006
21	391	Kupang	690	0	0	0	2,736	0	2,736
22	392	SOE	45	0	413	0	0	0	413
23	393	Kefamenshu	66	0	484	0	0	0	484
24	394	Atambua	143	0	1,006	0	0	0	1,006
25	395	BAA (Timur)	34	0	635	0	0	0	635
26	397	Kalabahi	90	0	566	0	0	0	566
27	398	Ermera	39	0	393	0	0	0	393
28	399	Baucau	97	0	850	0	0	0	850

		WITEL VIII TOTAL	3,509	0	13,547	8,066	5,112	0	26,725
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL IX)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	511	Banjarmasin Kota	398	0	3,759	0	0	0	3,759
2	512	Pleihari	251	0	0	0	1,568	0	1,568
3	513	Kuala Kapuas	325	0	0	0	2,925	0	2,925
4	514	Palangkaraya	458	0	0	1,817	0	0	1,817
5	515	Buntok	132	0	1,164	0	0	0	1,164
6	516	Tanjung Tabalong	43	0	0	0	861	0	861
7	517	Kandangan	641	0	0	5,495	0	0	5,495
8	518	Kota Baru	488	0	0	0	2,374	0	2,374
9	519	Muara Teweh	22	0	660	0	0	0	660
10	531	Sampit	494	0	4,019	0	0	0	4,019
11	532	Pangkalan Bun	373	0	0	0	2,113	0	2,113
12	534	Ketapang	144	0	0	1,405	0	0	1,405
13	535	Sukadana Kalimantan	97	0	915	0	0	0	915
14	537	Kuala Kurun	28	0	745	0	0	0	745
15	538	Puruk Cau	37	0	776	0	0	0	776
16	541	Samarinda	111	0	1,417	0	0	0	1,417
17	542	Balikpapan	0	0	0	0	0	0	0
18	543	Tanah Grogot	163	0	1,399	0	0	0	1,399
19	544	Tanjung Redep	31	0	820	0	0	0	820
20	545	Malak (Longiram)	70	0	1,083	0	0	0	1,083
21	548	Bontang	822	0	0	3,445	0	0	3,445
22	551	Tarakan	176	0	988	0	0	0	988
23	552	Tanjung Selor	30	0	427	0	0	0	427
24	553	Malinau	53	0	895	0	0	0	895
25	556	Sambas	227	0	0	0	0	1,357	1,357
26	561	Pontianak I	481	0	0	3,260	0	0	3,260
27	562	Singawang	513	0	0	0	1,205	1,839	3,044
27	563	Ngabang	0	0	0	0	0	0	0
28	564	Sanggau	238	0	2,760	0	0	0	2,760
29	565	Sintang	53	0	830	0	0	0	830
30	567	Putusibau	143	0	1,526	0	0	0	1,526
31	568	Nangapinoh	83	0	0	0	1,192	0	1,192

		WITEL IX TOTAL	7,125	0	24,183	15,422	12,238	3,196	55,039
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL X)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	401	Kendari	433	0	1,392	0	0	0	1,392
2	402	Bau-Bau	206	0	0	2,196	0	0	2,196
3	403	Raha	222	0	1,015	0	0	0	1,015
4	405	Kolaka	304	0	1,059	625	0	0	1,684
5	410	Pangkajene	131	0	965	0	0	0	965
6	411	UJ, Pandang Balaikota	269	0	0	1,955	0	0	1,955
7	413	Bantaeng	129	0	1,348	0	0	0	1,348
8	414	Benteng	51	0	0	0	0	693	693
9	418	Sinjai	97	0	454	0	0	396	850
10	419	Jenepono	106	0	0	0	0	620	620
11	421	Pare-pare	127	0	1,213	0	0	0	1,213
12	422	Majene	17	0	318	0	0	0	318
13	423	Rantepao	117	0	658	0	0	0	658
14	424	Malili	120	0	0	668	0	0	668
15	426	Mamuju	95	0	973	0	0	0	973
16	428	Polewali	114	0	0	0	0	1,168	1,168
17	429	Enrekang	84	0	0	0	0	546	546
18	430	Amurang	72	0	505	0	0	0	505
19	431	Manado I	0	0	0	0	0	0	0
20	432	Tahuna	132	0	1,497	0	0	447	1,944
21	434	Kotamobagu	232	0	1,959	0	0	0	1,959
22	435	Gorontalo	258	0	1,852	0	0	0	1,852
23	436	Tondano	121	0	1,386	0	0	0	1,386
24	438	Bitung	30	0	0	0	0	362	362
25	450	Parigi	182	0	1,659	0	0	0	1,659
26	451	Palu	108	0	0	0	0	887	887
27	452	Poso	130	0	2,358	0	0	0	2,358
28	453	Toli Toli	223	0	1,733	0	0	0	1,733
29	461	Luwuk	83	0	932	0	0	0	932
30	462	Banggai	43	0	0	861	0	0	861
31	471	Palopo	104	0	614	0	0	0	614
32	481	Watampone	173	0	2,148	0	0	0	2,148
33	484	Watansoppeng	120	0	0	0	0	1,058	1,058
34	485	Singkarang	106	0	1,205	0	0	0	1,205

		WITEL X TOTAL	4,739	0	27,843	6,305	0	6,177	40,325
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL XI)

Unit : US\$ 1,000

NO.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	910	Banda Neira	0	0	0	0	0	0	0
2	911	Ambon Centrum	26	0	0	0	0	348	348
3	913	Namlea	227	0	1,292	0	0	0	1,292
4	914	Masohi	525	0	0	2,305	0	0	2,305
5	916	Tual	8	0	0	0	0	468	468
6	917	Dobo	79	0	529	0	0	0	529
7	918	Saumlaki	8	0	0	468	0	0	468
8	920	Soa Siu	116	0	0	0	0	654	654
9	921	Ternate	16	0	0	314	0	0	314
10	922	Jaiololo	113	0	0	644	0	0	644
11	924	Tobelo	762	0	0	0	0	4,411	4,411
12	925	Weda	89	0	0	563	0	0	563
13	927	Labuha	47	0	420	0	0	0	420
14	929	Sahana	0	0	0	0	0	0	0

		WITEL XI TOTAL	2,016	0	2,241	4,294	0	5,881	12,416
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COST ESTIMATION FOR DIGITAL MAS SYSTEM (BY AREAS)
(WITEL XII)

Unit : US\$ 1,000

No.	Area Code	Exchange Name	Supply Plan	94/95	95/96	96/97	97/98	98/99	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			(SSP)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
1	951	Sorong	1,065	0	5,116	0	0	0	5,116
2	956	Fak-Fak	327	0	1,372	0	0	0	1,372
3	957	Kaimana	75	0	0	0	0	515	515
4	961	Biak	28	0	355	0	0	0	355
5	962	Manokwari	339	0	1,933	0	0	0	1,933
6	963	Serui	107	0	342	542	0	0	884
7	964	Nabire	183	0	0	1,467	0	0	1,467
8	966	Sarmi	51	0	0	433	0	0	433
9	967	Jayapura	915	0	0	4,606	0	0	4,606
10	969	Wamena	416	0	0	0	2,519	0	2,519
11	971	Merauke	414	0	2,187	0	0	0	2,187
12	975	Tanah Merah	79	0	529	0	0	0	529
13	979	Timika	254	0	0	0	1,124	0	1,124

		WITEL XII TOTAL	4,253	0	11,834	7,048	3,643	515	23,040
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